

# KABA®

Kaba EF680



Please read the instructions thoroughly before usage.

Functions and design of the products are subject to change without prior notice.

# USER'S GUIDE

## Please read the following before using the product of Kaba EF680 :

- Kaba EF680 is designed and manufactured to assure personal safety. Improper use may cause personal damage or property loss. Please pay attention to the installation/use/maintenance procedures.
- Kaba EF680 is a precision electronic device. Please read all safety and operation instructions.
- Kaba EF680 was initially designed for weather-protected outdoor area, however it has been tested outside.
- Servicing is required when Kaba EF680 has been damaged or needs to be installed/reinstalled, please entrust to qualified service personnel.
- The warranty of Kaba EF680 does not cover the defects/damages caused by the door defects, improper installation/storage/shipping/handling, lack of or improper maintenance, abnormal assemble/disassembly, misuse/abuse, accidents, unauthorized services, the usage of unauthorized service parts.
- Disassembly, rework and reverse engineering are prohibited without a written approval of KABA
- Trademarks, trade names, designs, copyrights and other proprietary rights exclusively belong to the manufacturer. They cannot be copied or used by any other parties unless being authorized by KABA.
- All the information in this manual are subject to change without prior notice.
- Children should be under the guidance of an adult to ensure the safety use of the product.
- Keep this manual in a safe place for future reference.

## Product features:

You Will not Need Keys Anymore

Multiple Locking Methods for Multiple Users

Robust and Flexible Mechanical Structure and

Superb European Mortise Ease of Installation and use

Anti Break-in/Damage Alarm Protection

Wrong Try Lockout Delay Protection

Enhanced Security by Scramble Code for PIN Code Access

Visitor-Friendly with Optional Passage Mode

Mechanical Key Override Protection

Optional Remote Control

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# Safety Regulations



## Caution

Information which users should pay attention to prevent any injuries/damages/property losses.



## Note

Supplementary information of the product.



## Ban

Something must not be done.



## Must

Guidelines that a user should follow.

## Installation



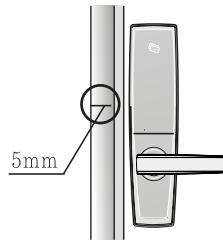
## Ban

Consult a qualified installation professional for installation or relocation.



## Must

Ensure that the gap between the door and the doorframe is less than 5mm.



## Must

Do not install the product where it is exposed to rainwater, which may cause malfunctions of the product.



## Installation



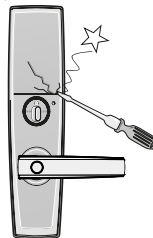
**Ban**

Do not wash the product with water as electronic circuit may break down in contact with water. Wipe it with a dry cloth for cleaning.



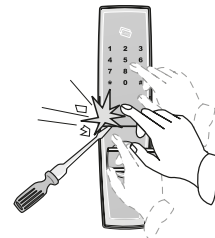
**Ban**

Do not disassemble, reassemble or repair the product by yourselves. This may cause damage or malfunctions to the product.



**Ban**

Do not press a button too hard or use a foreign object to hit it. This may cause damage or malfunction to the product.



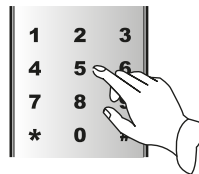
**Must**

It is your own responsibility to check if the door is properly locked when you are going out. We are not responsible for any damages or property losses.



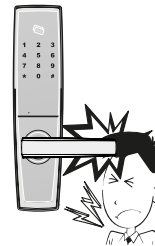
**Must**

Be alert when you open a door with a PIN code. There will be a risk of theft if your PIN code is exposed to an outsider.



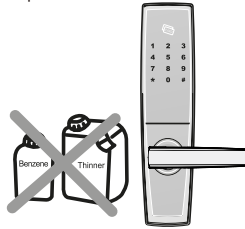
**Must**

Pay attention to the door handle to prevent possible injuries. Watch your children at home for that.

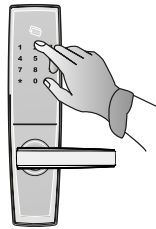


# Installation

**Must** Do not clean the product by direct contact to water or wipe it with chemicals such as benzene, thinner, alcohol, etc. They may cause damage or malfunction to the product.



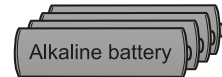
**Must** Do not wear gloves to touch the keypad as the system cannot detect.



**Must** Do not touch the keypad with your wet fingers and keep the keypad clean and away from foreign substances at all times.



**Must** Use new alkaline batteries(AA size). Otherwise, it may cause the malfunction to the product and the lifetime of the product may be shortened.



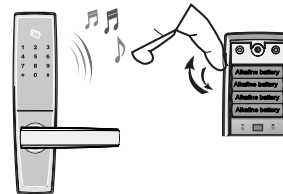
**Must** Please install the batteries correctly, otherwise it may cause battery breakdown and product damage.



**Must** Do not mix new batteries with used ones, otherwise it may cause damage and shorten the lifetime of the product.



**Must** When the battery change alert is heard, please replace the batteries as soon as possible.



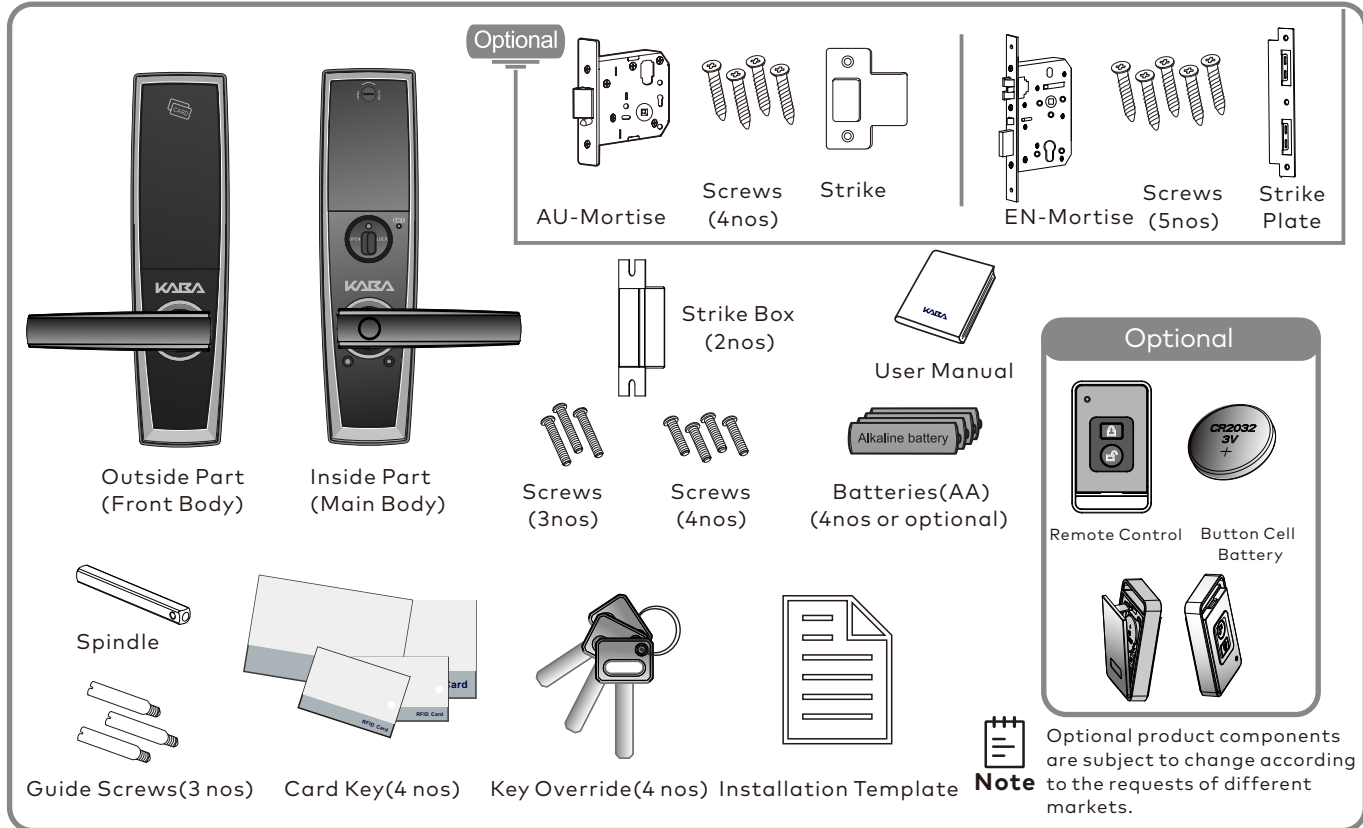
**Must** Do not drop/shock the remote control.



# 1

## Components

### Basic Components (Kaba EF680)



components

Name of each part

How to use

Trouble-shooting

Product standards

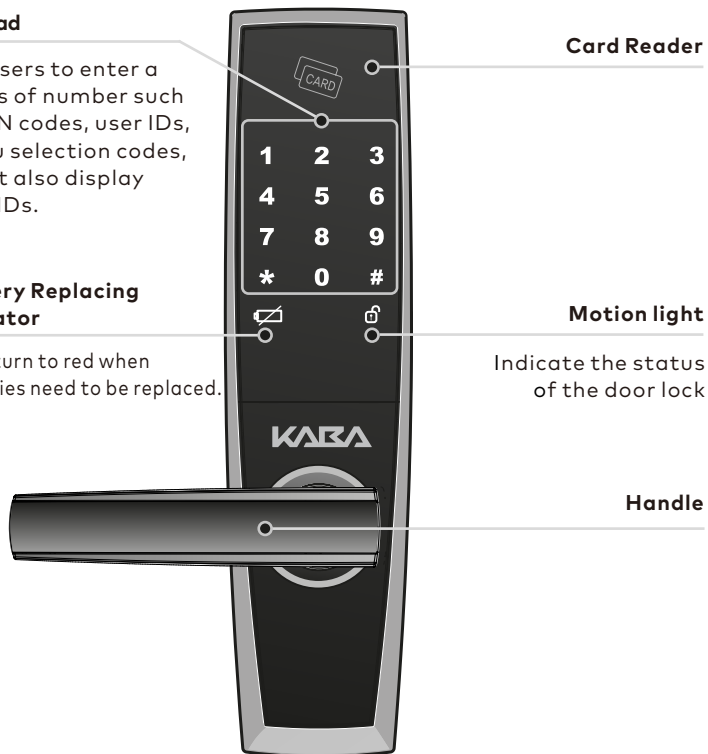
## 2-1 Outside Lock (Front Body)

**Keypad**

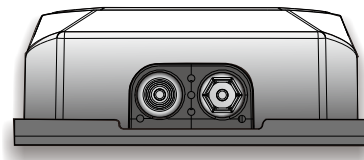
For users to enter a series of number such as PIN codes, user IDs, menu selection codes, ect. It also display user IDs.

**Battery Replacing Indicator**

It will turn to red when batteries need to be replaced.

**Card Reader****Emergency Power Supply Socket**

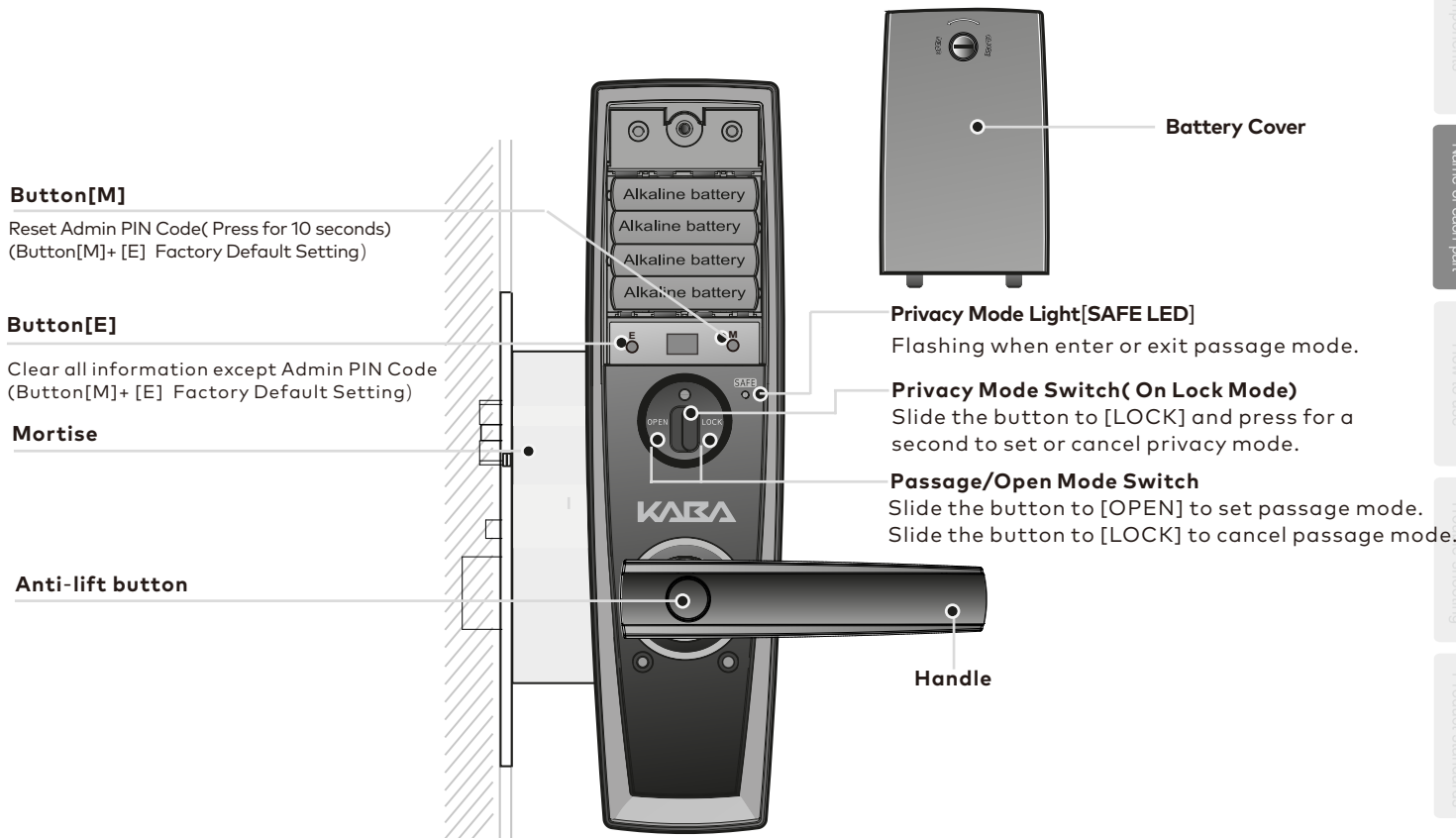
When the battery is fully discharged, a 9V battery can be used to supply power to operate the product temporarily as an emergency backup.



9V battery is not included in the package.



## 2-2 Inside Lock( Main Body)



components

Name of each part

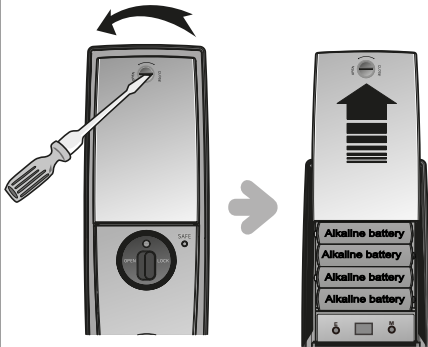
How to use

Troubleshooting

Product standards

## 3-1 Factory Reset

## 1 Open the battery cover

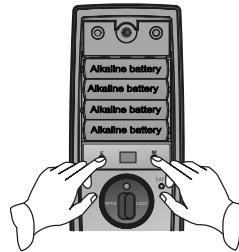


- The system will restart after factory reset.



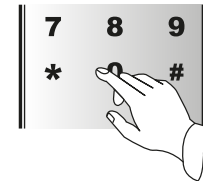
- Wireless relay won't be cancelled after factory reset; All registered PIN codes, card keys and remote controls will be deleted after factory reset. Admin PIN code will be reset to 00123456.
- Please touch the keypad to make sure it is power-off after batteries removed.

## 2 Press [M] and [E] simultaneously and do not loose.



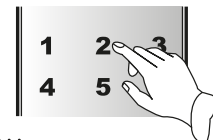
Voice Guide: "Please input PIN code."

## 3 Input 8-digit admin PIN code and press # to confirm.



Voice Guide: "1 Chinese, 2 English.."

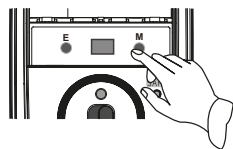
## 4 Select the language based on the voice guide and press # to confirm.



- Default admin PIN code for this lock is 00123456.

## 3-2 Reset Admin PIN Code

- 1** Open the battery cover and press the [M] button for 10 seconds.



Voice Guide: "Please input PIN code."

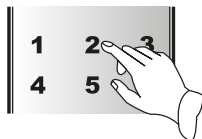


- There is no voice guide if [M] button is pressed less than 10 seconds.



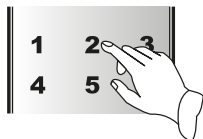
- **Important Notice:** Admin PIN code must be reset with a unique admin PIN code before programming! DO NOT use the default admin PIN code!

- 2** Input a new 6~12-digit PIN code and press # to confirm.



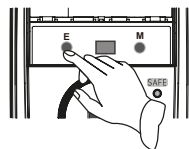
Voice Guide: "Please input PIN code again."

- 3** Input the PIN code again and press # to confirm.



## 3-3 Delete All User Information

- 1** Open the battery cover and press the [E] button for 10 seconds.



Voice Guide: "Please input PIN code."



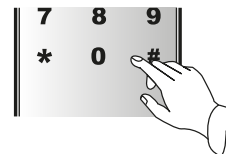
- All user information except admin PIN code, wireless relay and security housekeeper will be deleted after this operation.(Note: Wireless Relay and Security Housekeeper are not available in some markets)
- Remote control will not be deleted when the wireless communication is off.



### Note

- There is no voice guide if [E] button is pressed less than 10 seconds.

- 2** Input 6~12-digit admin PIN code and press # to confirm.

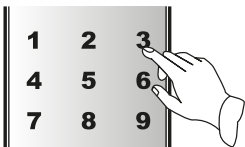


Voice Guide: "Operation succeeded."

## 3-4 How to Enter the Menu

### 1 Enter the menu by admin PIN code

Input admin PIN code and press # to confirm



Voice Guide: 

"2 Card key management, 3 PIN code management, 4 Wireless communication setting, 5 System setting. Press corresponding number and pound key to confirm."



#### Note

- There is only management right for admin card key and admin PIN code. It cannot be used to unlock the door.

### 2 Enter the menu by admin card key

Swipe the admin card key on the card reader



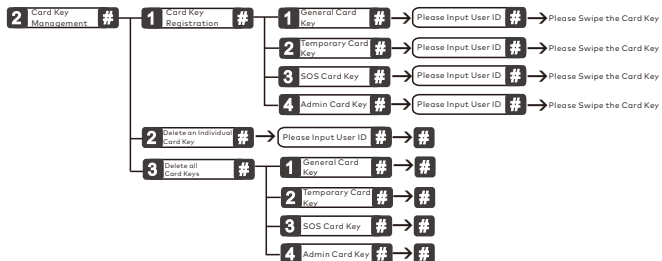
Voice Guide: 

"2 Card key management, 3 PIN code management, 4 Wireless communication setting, 5 System setting. Press corresponding number and pound key to confirm."

## 3-5 Instruction Overview

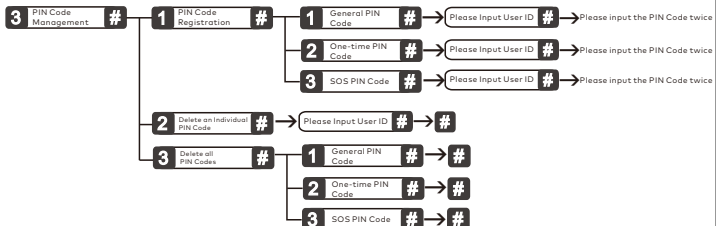
### 2

#### Card Key Management



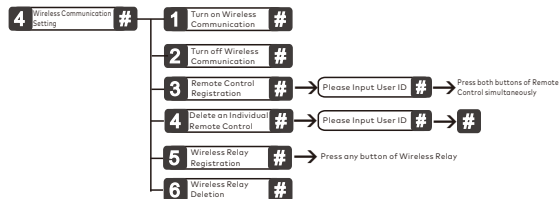
### 3

#### PIN Code Management



### 4

#### Wireless Communication Setting (Only applicable to the product with 433Hz wireless module)



**Caution**

- Wireless Relay and Security Housekeeper are not available in some markets.
- Remote control, Wireless Relay and Security Housekeeper are only available when the wireless communication is open.

### 4

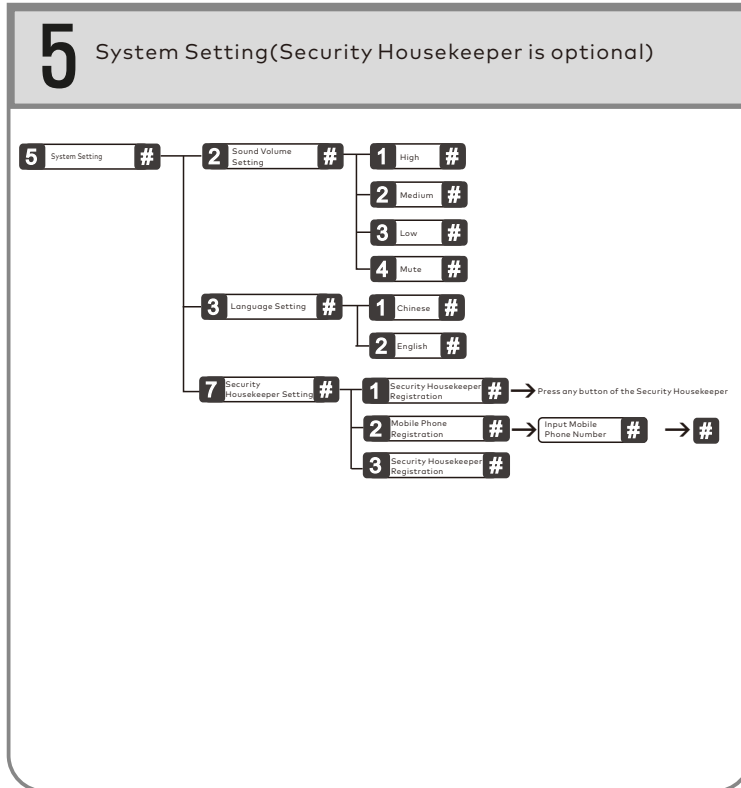
#### Wireless Communication Setting (Only applicable to the product with bluetooth module)



**Note**

- The Wireless Communication will be turned on at the factory if the product is with this function.
- For one product, it is alternative for 433Hz wireless module and bluetooth module.

## 3-5 Instruction Overview



components

Name of each part

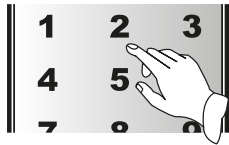
How to use

Trouble-shooting

Product standards

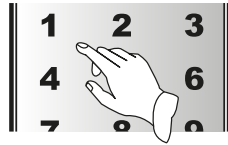
## 3-6 Card Key Registration

**1** Enter the menu, press 2 and # on the keypad.



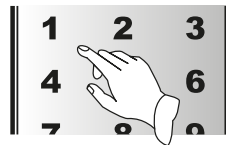
Voice Guide: "1 Card key registration;  
2 Delete an individual card key;  
3 Delete all card keys."

**2** Press 1 and # on the keypad.



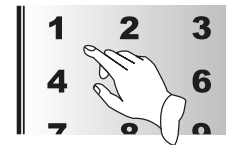
Voice Guide: "1 General user card key;  
2 Temporary user card key;  
3 SOS card key;  
4 Admin card key."

**3** Choose the user category and press # to confirm.



Voice Guide: "Please input User ID."

**4** Input the user ID and press # to confirm.



**5** Swipe a card key on the card reader.



Voice Guide: "Operation succeeded."




### Note

- Up to 100 card keys can be registered.
- General card key user ID:10-79;  
Temporary card key user ID:80-89;  
SOS card key user ID:90-99;  
Admin card key user ID:00-09.

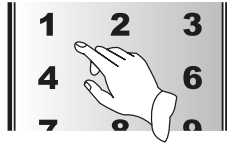
## 3-7 Delete an Individual Card Key


**1** Enter the menu, press 2 and # on the keypad.



Voice Guide:   
 "1 Card key registration;  
 2 Delete an individual card key;  
 3 Delete all card keys."

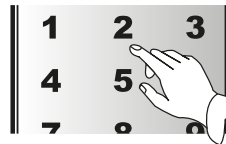
**3** Input the user ID you wish to delete and press # to confirm.




Voice Guide:   
 "Please press the pound key to confirm your input, please press the star key to input again."

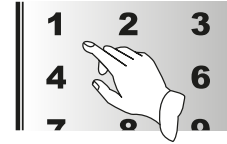
## 3-8 Delete all Card Keys


**1** Enter the menu, press 2 and # on the keypad.



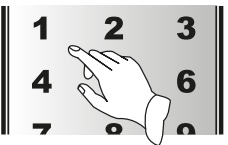
Voice Guide:   
 "1 Card key registration;  
 2 Delete an individual card key;  
 3 Delete all card keys."

**3** Choose the user category and press # to confirm.

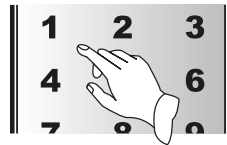


Voice Guide:   
 "Please press the pound key to confirm your input, please press the star key to input again."

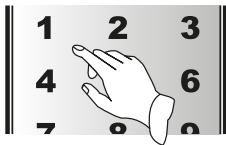
**2** Press 2 and # on the keypad.



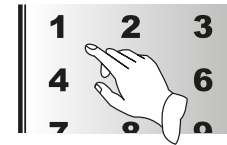
**4** Press # to confirm.



**2** Press 3 and # on the keypad.



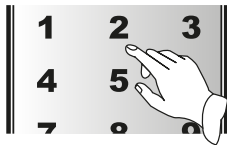
**4** Press # to confirm.






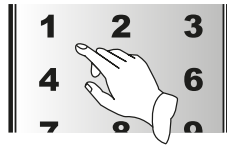
## 3-9 PIN Code Registration


**1** Enter the menu, press 3 and # on the keypad.



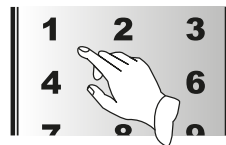
Voice Guide:   
 "1 PIN Code registration;  
 2 Delete an individual  
 PIN Code;  
 3 Delete all PIN Codes."

**2** Press 1 and # on the keypad.



Voice Guide:   
 "1 General user PIN Code;  
 2 One-time PIN Code;  
 3 SOS PIN Code."

**3** Choose the user category and press # to confirm.

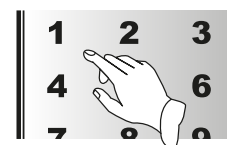


Voice Guide:   
 "Please input User ID."

**4** Input the user ID and press # to confirm.



**5** Input a 6-12-digit PIN code twice and press # respectively to confirm.



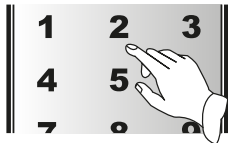
Voice Guide:   
 "Operation succeeded."




- Note**
- Up to 10 PIN Codes can be registered.
  - General user PIN Code ID: 01-07;  
 One-time PIN Code ID: 08;  
 SOS PIN Code ID: 09;  
 Admin PIN Code ID: 00.

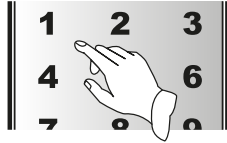
## 3-10 Delete an Individual PIN Code


**1** Enter the menu, press 3 and # on the keypad.



Voice Guide:   
 "1 PIN Code registration;  
 2 Delete an individual PIN Code;  
 3 Delete all PIN Codes."

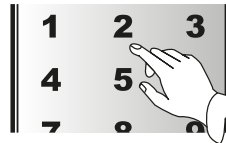
**3** Input the user ID you wish to delete and press # to confirm.




Voice Guide:   
 "Please press the pound key to confirm your input, please press the star key to input again."

## 3-11 Delete all PIN Codes


**1** Enter the menu, press 3 and # on the keypad.



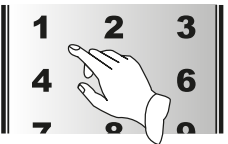
Voice Guide:   
 "1 PIN Code registration;  
 2 Delete an individual PIN Code;  
 3 Delete all PIN Codes."

**3** Choose the user category and press # to confirm.

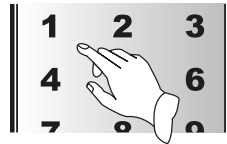


Voice Guide:   
 "Please press the pound key to confirm your input, please press the star key to input again."

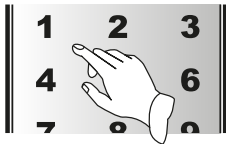
**2** Press 2 and # on the keypad.



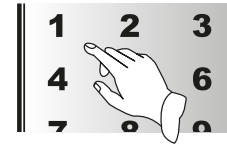
**4** Press # to confirm.



**2** Press 3 and # on the keypad.

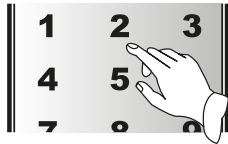



**4** Press # to confirm.



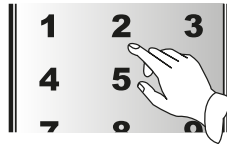
## 3-12 Remote Control Registration

- 1** Enter the menu, press 4 and # on the keypad.



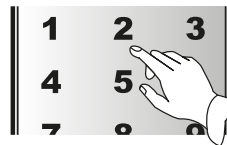
Voice Guide:   
 "1 Turn on wireless communication;  
 2 Turn off wireless communication;  
 3 Remote control registration;  
 4 Remote control deletion;  
 5 Wireless relay registration;  
 6 Wireless relay deletion."

- 2** Press 3 and # on the keypad.



Voice Guide:   
 "Please input User ID."

- 3** Input the user ID and press # to confirm.



- 4** Press both buttons on remote control simultaneously.



Voice Guide:   
 "Operation succeeded."



- Remote controls can be activated when wireless communication function is turned ON.




- Up to 8 remote controls can be registered, and the user ID can be 02-09.

## 3-13 Remote Control Deletion

**1** Enter the menu, press 4 and # on the keypad.

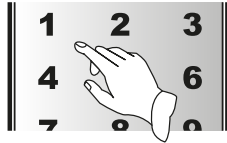



Voice Guide:   
 "1 Turn on wireless communication;  
 2 Turn off wireless communication;  
 3 Remote control registration;  
 4 Remote control deletion;  
 5 Wireless relay registration;  
 6 Wireless relay deletion."

**2** Press 4 and # on the keypad.

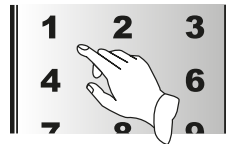


**3** Input the user ID you wish to delete and press # to confirm.



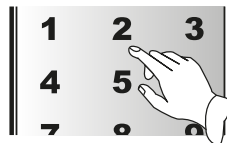
Voice Guide:   
 "Please press the pound key to confirm your input, please press the star key to input again."


**4** Press # to confirm.



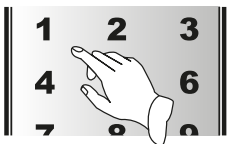
## 3-14 Sound Volume Setting

**1** Enter the menu, press 5 and # on the keypad.

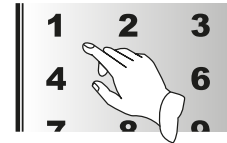



Voice Guide:   
 "2 Sound volume setting;  
 3 Language setting."


**2** Press 2 and # on the keypad.



**3** Choose the sound volume category and press # button.



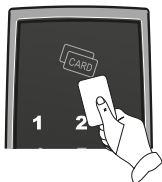
Voice Guide:   
 "Operation succeeded."

 **Note** • Sound volume 4 levels:  
 1 High  
 2 Medium  
 3 Low  
 4 Mute

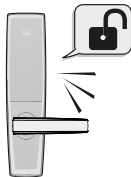
## 3-15 Open a Door from Outside

### 1 Open a door with a Card Key.

1. Swipe a registered card key on the card reader.



2. Voice Guide "Verification Succeeded, the door has been unlocked."



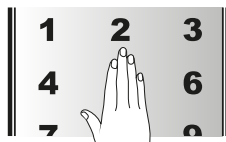
3. Push down the handle to unlock the door.



- The distance between the card key and the card reader should be within 10mm.

### 2 Open a door with a PIN Code.

1. Touch the keypad with your palm.



2. Input the scramble code and 6-12-digit PIN code and press # to confirm.



3. Push down the handle to unlock the door.



#### Note

- A scramble code is a set of random numbers entered before or after the input of a PIN code, can be up to 26 digits or less.
- The lock will enter lockout mode for 15 minutes after 3 times wrong entries of PIN code. Press any button on the keypad will activate the alarm.

### 3 Open a door with a Remote Control.

1. Press [] button on the registered remote control.



2. Voice Guide: "Verification Succeeded, the door has been unlocked."

3. Push down the handle to unlock the door.



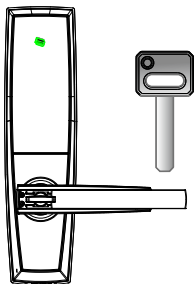
#### Note

- It can work inside or outside the door and the working distance is within 30m. (The working distance varies depending on the environment.)

## 3-16 Open a Door from Inside

### 4 Open a door with a Key Override.

1. Slide the handle cover.
2. Insert the key override and rotate 90-degree, then push down the handle to unlock the door.



#### Note

- The key override can be used during batteries replacement or when the product is not working properly.



#### Caution

- The key override should be removed after use.
- In case of emergency, please keep at least 1 key override outside in a safe place.

Push down the handle to open a door.



1. Anti-lift handle(optional): Press Anti-lift button and push down the handle to unlock.
2. Without Anti-lift handle(default): Push down the handle to unlock.

## 3-17 Lock a Door from Inside

### 1 Auto-lock Mode.



The lock will be automatically locked after the door closed.

Voice Guide:

"The door has been locked."

### 2 Passage/Open Mode.



#### Note

Please keep pressing the Anti-lift button and turn the door handle downwards to open the door if the lock equipped with Anti-lift handle; If not, turn the door handle downwards to unlock.

## 3-18 Open a Door from Outside in Lock Mode

### 1 Auto-lock Mode.

Slide the button to [LOCK] to activate the auto-lock function, the door will be automatically locked after closed.



- Please make sure the door has been locked before leaving.

### 2 Passage Mode.

Slide the button to [OPEN] to activate the auto-lock function, the door won't be automatically locked after closed.



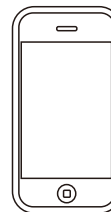
Voice Guide:  
"Passage Mode."



- Please be alert to the surrounding environment under passage mode.

## 3-19 Bluetooth Unlocking

### APP Unlocking.



#### 1. Shake the mobile phone to unlock:

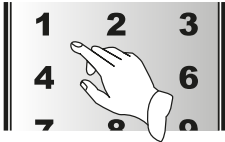
Enter the "Device Information" interface and shake the mobile phone, the lock will be unlocked successfully.


#### 2. APP Unlocking:

Enter the "Device Management" interface and click "🔓", the lock will be unlocked successfully.

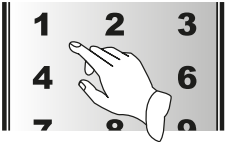
## 3-20 Turn on Wireless Communication 3-21 Turn off Wireless Communication


**1** Enter the menu, press 4 and # on the keypad.



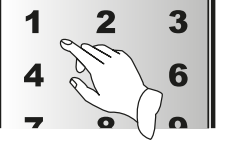
Voice Guide:   
 "1 Turn on wireless communication;  
 2 Turn off wireless communication;  
 4 Please delete phone user."


**2** Press 1 and # on the keypad.



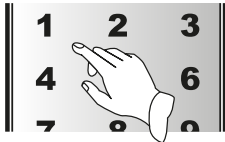
Voice Guide:   
 "Operation succeeded."


**1** Enter the menu, press 4 and # on the keypad.



Voice Guide:   
 "1 Turn on wireless communication;  
 2 Turn off wireless communication;  
 4 Please delete phone user."

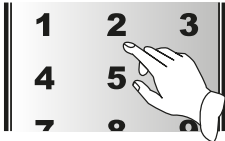
**2** Press 2 and # on the keypad.





Voice Guide:   
 "Operation succeeded."

## 3-22 Please Delete Phone User

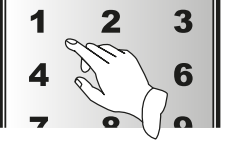
**1** Enter the menu, press 4 and # on the keypad.




Voice Guide:   
 "1 Turn on wireless communication;  
 2 Turn off wireless communication;  
 4 Please delete phone user."

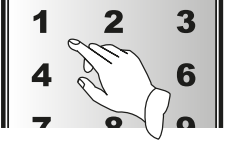
 **Note** • The phone user ID: 00-09.


**2** Press 4 and # on the keypad.



Voice Guide:   
 "Please input user ID."

**3** Input the user ID and press # to confirm.



Voice Guide:   
 "Operation succeeded."



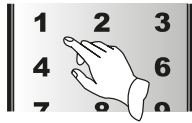
## 3-23 Language Setting

**1** Enter the menu, press 5 and # on the keypad.



Voice Guide: "2 Sound volume setting; 3 Language setting."

**2** Press 3 and # on the keypad.



Voice Guide: "1 Chinese, 2 English."

**3** Choose the language category and press # to confirm.



Voice Guide: "Operation succeeded."

## 3-24 Passage/Open Mode Setting 3-25 Privacy Mode Setting

**1** Deactivate passage/open mode.



Slide the passage/open mode switch to the right. The door will be locked automatically once it is closed.

**2** Activate passage/open mode.



Slide the passage/open mode switch to the left. The door will be unlocked by pushing down the outside handle.

**1** Activate privacy mode.



Slide the privacy mode switch to the right and press it downwards to activate privacy mode. [SAFE] light will illuminate 2 seconds after privacy mode activation succeeded.

**2** Deactivate privacy mode.



Press the privacy mode switch downwards again to deactivate the privacy mode. [SAFE] light will illuminate 2 seconds after privacy mode deactivation succeeded.



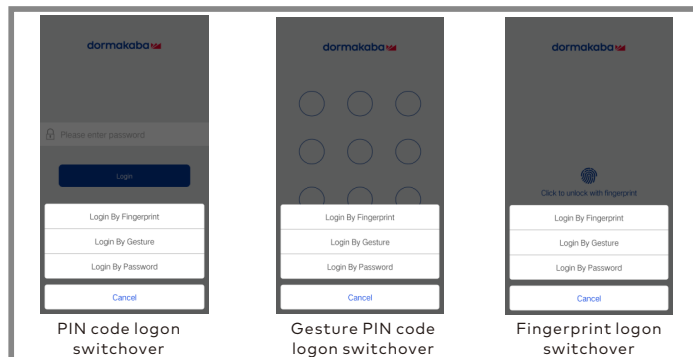
### Note

- The number 0 on the keypad will flash when passage/open mode is activated.
- Privacy mode will be activated under the status of door locked.
- Privacy mode will go invalid after opening the door with mechanical key override.
- In privacy mode, any operations will activate the lock voice guide "Privacy mode". Only the privacy mode button, interior handle and mechanical key override can be used.

## 3-26 Download and Install the APP 3-27 Enable and Register the APP



1. Enable Wechat in your mobile and scan QR Code above to download APP Installation Package.
2. After entering the downloading interface, select the market matching your mobile system including Google Play, App Store, HUAWEI Market and XIAOMI Market.
3. Following the onscreen instruction "Open with Browser", click any browser in your mobile screen to download.
4. Enable the APP and login after successfully downloading and installing.



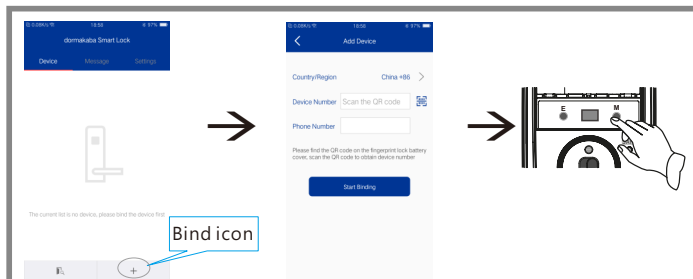
Launch APP to enter logon interface, click "switch over logon mode" to verify user's password, gesture PIN code and fingerprint for logon. Meanwhile, the mobile phone's Bluetooth shall be enabled. After the logon is finished, the device admin interface is entered.



### Note

- Login by fingerprint must be supported by mobile, which is equipped with fingerprint sensor and running Android 6.0 and IOS 8.0 or above.
- Within the Android system, when APP is launched, if the PIN code or gesture PIN code is entered incorrectly for 3 times, APP will be locked for 30 seconds; within the ISO system, when APP is launched, if the PIN code is entered incorrectly for 3 times, only other logon modes can be selected.

## 3-28 Bind Devices



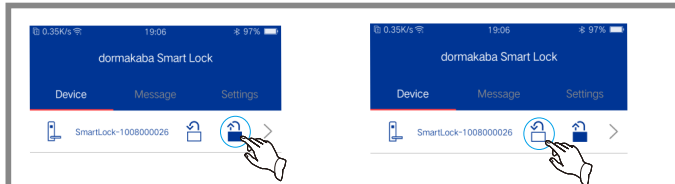
1. Enter the device interface and click the binding icon "+" at the lower right corner.
2. On the device binding interface, click the code scanning icon "📷", scan the QR code on the battery cover and enter the mobile phone number and click "start binding".
3. When the APP sending request of binding and the lock prompts "In operation", press "M" button on the back lock body.
4. Choose the default name or input a new name, following the onscreen instruction "Please name this device" and click "save" button to confirm.. Choose the default name or input a new name, following the onscreen instruction "Please name this device" and click "save" button to confirm.



• One App can be bound with 10 devices at most.

**Note**

## 3-29 Device Management



**Unlocking:**  
enter management Interface and click the locking icon "🔓". The smart lock is unlocked.

**Locking:** enter management Interface, and click the locking icon "🔒". The smart lock is successfully locked.

**Refresh device information:** enter the device management interface, long press a connected device, pop up a selection menu, click "refresh device information" and the information on the APP is synchronized with the smart lock and both are consistent.

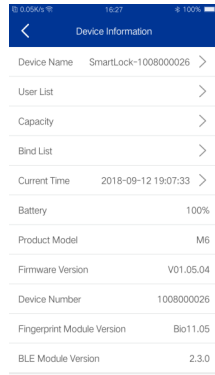
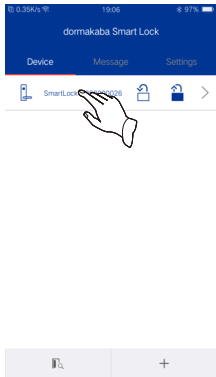
**Unbind the device:** enter the device management interface, long press a connected device, pop up a selection menu, select "Unbind The Device", click the confirmation button and APP deletes the device in the list.



**Note**

• To realize unlocking by shaking off the mobile phone, the distance between the mobile phone and the bound Bluetooth lock shall be within 10 m and the mobile phone and the lock are connected successfully.

## 3-30 View the Device Information



1. Click the binding device after bound with the smart lock successfully.

2. Enter the "Device Information" Interface, view and modify the smart lock name and view the smart lock user list, capacity, binding list, current time, power capacity, product model, firmware version number and device number (scroll view on the device information interface).

**Time synchronization:** enter the "device information" interface, click "current time" to synchronize smart lock and APP time, and the function is only available to administrator's account.

**Binding list:** Enter the "Device Information" interface and click "Bind List" to display the mobiles bound with the smart lock. Click the deleting icon "⊗" on the right of the user you want to delete and then click "OK" to confirm the operation.

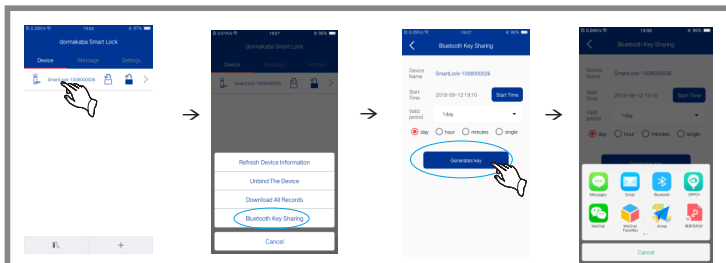
**Shake to unlock:** Enter the "Device Information" interface and shake your mobile to unlock.



### Note

- Shaking to unlock can be enabled only when the mobile is connected with the lock successfully and the distance between them must be within 10 meters.
- The first mobile successfully bound with the smart lock is the administrator. Only the administrator has the right to synchronize the time and unbind other devices on the bind list.

### 3-31 Bluetooth Key Sharing



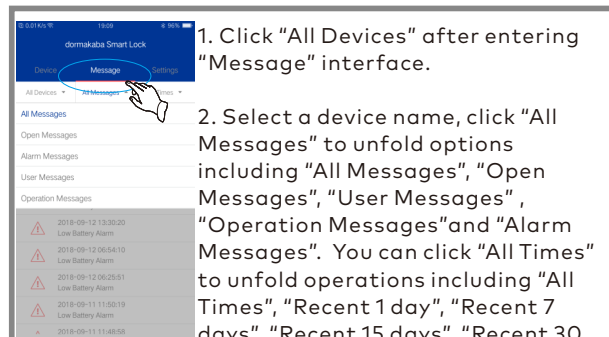
1. Enter device management interface and press a binding device until a selection menu pops up. Then click "Bluetooth Key Sharing".
2. Choose the start date, time and valid period, and click "generates key".
3. Click the sharing icon "🔗" to share the new key to other users via email, Wechat, QQ, etc. The receiver can input the key to open the door.



#### Note

- Only the administrator is equipped with "Bluetooth Key Sharing" on the management interface.
- When single valid term is selected, only 10 Bluetooth key can be shared, 10+ keys can be shared but the door cannot be opened.
- The shared keys will be valid within 24 hours; if you select other time ranges, the Bluetooth key sharing is not restricted.

### 3-32 View Message



1. Click "All Devices" after entering "Message" interface.
2. Select a device name, click "All Messages" to unfold options including "All Messages", "Open Messages", "User Messages", "Operation Messages" and "Alarm Messages". You can click "All Times" to unfold operations including "All Times", "Recent 1 day", "Recent 7 days", "Recent 15 days", "Recent 30 days" and "Custom Time zones".
3. Select the required message type or time zone to view.

**Synchronize Message:** In the "Message" interface, press a lock icon until a dialogue box pops up on the bottom of the screen and click "Synchronize" to keep the message on the APP in line with the smart lock system.

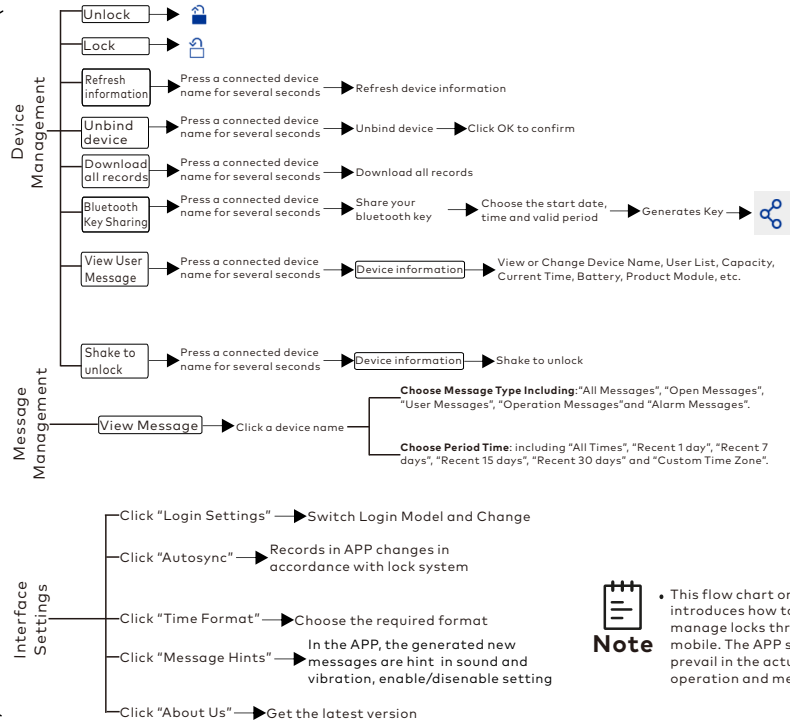


#### Note

- In the "Message" interface, press a lock icon until a dialogue box pops up on the bottom of the screen to select "All" or delete some certain records.
- The Android users can operate the APP following above instruction, operation system is slightly different for IOS users. The mobile APP shall prevail in actual operation and menu.

### 3-33 Lock Management through Mobile

After installing the APP in your mobile successfully, enable your mobile Bluetooth, login, bind your mobile with the lock and enter lock management:



### 3-34 Language Setting

1. Click "Settings" in your mobile and enter the "Language" interface and choose the language you want.

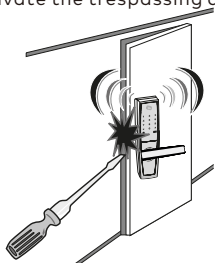
2. Enable the APP to find the device, message and setting interfaces has been synchronized.

- components
- Name of each part
- How to use
- Trouble-shooting
- Product standards

## 3-35 Trespassing/Damage Alarm

### 1 Trespassing Alarm

An alarm will be activated if an outsider tries to break into the house by forcibly opening a door. Open the door successfully with Pin code, card key and remote control can deactivate the trespassing alarm.



#### Note

- The alarm will last for 30 seconds.
- Slide the privacy mode switch to lock and press it for 5 seconds to deactivate the alarm.
- The auto deadbolt flick caused by normal unlocking operation will not activate alarms. In mute mode, it will alarm out automatically by the highest-level volume if the alarm is triggered.

### 2 Damage Alarm

An alarm will be activated if an outsider tries to break into the house by damaging the door lock.



#### Note

- The alarm will last for 30 seconds.

## 3-36 SOS Alarm

### SOS Alarm

When the door is unlocked by SOS PIN code or Card key, SOS alarm will be activated, and the SOS alarm message will be conveyed to the smart home system.

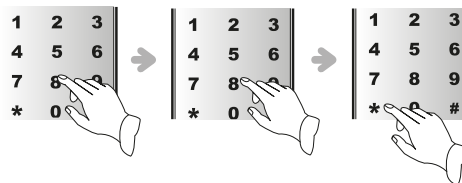


#### Note

- The SOS alarm function needs to be configured with a wireless relay and successfully registered on the lock, and the lock needs to be connected successfully with the smart home system.
- Wireless Relay and Security Housekeeper are not available in some markets.

## 3-37 Keypad Lockout Alarm

If incorrect PIN codes are entered for more than 3 times consecutively, the alarm will be activated and the lock will enter lockout mode for about 15 minutes. The voice guide "Keypad Locked" will be heard when you try to press any keys during this alarm period. Verify the correct Card key, Remote control or reset can remove the keypad lockout alarm.

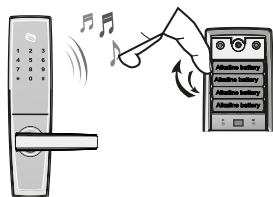


### Note

- The Keypad Lockout Alarm will be deactivated automatically after about 15 minutes.

## 3-38 Low Battery Alarm

Please replace the battery when you hear the voice guide "Low battery, please replace batteries."



### Note

- All the registered information will not be affected by batteries replacement.




# 4

## Trouble Shooting

### 4-1 How to Replace a Battery

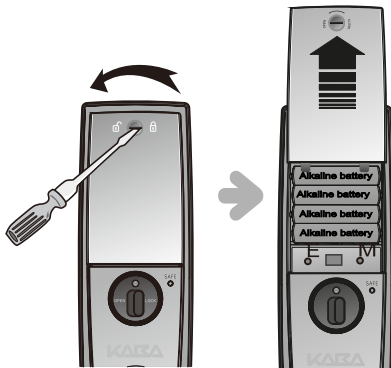
When the product is being used and the battery needs to be replaced, the battery change LED light on the lower left will illuminate if the keypad is touched.



Voice guide  Low battery, please replace batteries

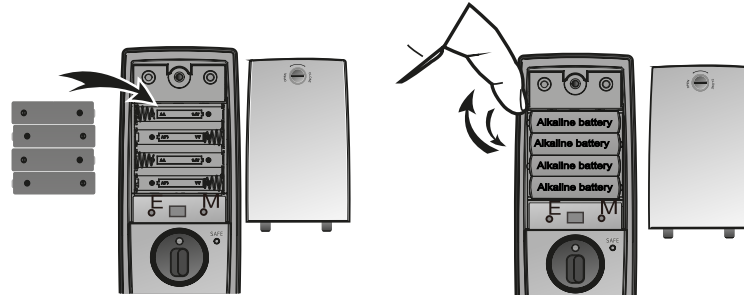
#### 1 Open the cover of the main body

Unfasten the screw on the battery cover by turning counterclockwise, and then pull it forward to open the cover.



#### 2 Replace the battery

Replace all 4 batteries with the correct direction as shown in the picture (AA 1.5V alkaline battery)



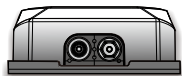
#### Note

- If the battery polarity (+ -) is incorrectly inserted, the product will not work.
- Replace batteries with brand new alkaline batteries. (do not mix for use)
- If you hear the battery change voice guide, replace batteries with new ones as soon as possible.
- The product will stop working suddenly if batteries are not changed when you hear the voice guide reminder to change battery.

## 4-2 Solutions to Malfunction of the Product

### How to use a 9V battery

- If the product stops working due to the battery discharge, insert a 9V square battery and use a PIN code or a card key to open the door.



#### Note

- Purchase a 9V battery in the nearest convenience store or any electronic shops. (The use of alkaline battery is recommended)

## 4-3 Troubleshooting

If the product is not working properly, please refer to the followings first before you contact after-sale service. If problems still exist, please contact after-sale service for further assistance.

Symptoms	Suggested Action
Lock will not turn on	Ensure that batteries are installed and oriented correctly in the battery case. Ensure that batteries are in good condition; replace batteries if discharged.
PIN codes can't be registered	PIN code must be entered within 10 seconds(while the touch screen is active) or the process will have to be restarted. The star(*) or pound(#) can not be used as part of the PIN code. PIN codes must consist of 6~12 digits to register.
The touch keypad does not respond	The touch keypad will become active when pressed with the back of hand or fingers in at least 3 areas simultaneously. Use a larger area of the hand or fingers and verify contact with at least 3 areas.
Card keys can't be registered	Card key must be swiped within 10 seconds (while the touch screen is active) or the process will have to be restarted Ensure the original card keys (ISO 14443A type) are used.
The lock cannot be unlocked by card key	Ensure the card key has been registered Ensure general user card key is used. (Admin card is used for lock management only) Ensure the card key is swiped properly

Symptoms	Suggested Action
A card key is lost	Delete the registration of the lost card key. If the lost card key ID is unknown, the registrations of the whole card key group could be deleted.
No sound	Check whether the mute mode is turned on
How to turn off the alarm?	2ways to turn off the alarm: Any registered PIN code or card key could be used to turn off the alarm Or slide [OPEN/LOCK] button to right and press 5 seconds.
The remote control (RC) doesn't work.	Check whether wireless communication is turned on. Check whether the RC has been registered. Check whether the RC batter power is too low Optimal RC working distance is 0-20 meters
Automatic deadbolt doesn't work	Check whether Privacy Mode is turned on. Make sure the gap between doorframe and striker plate is less than 5 millimeter.

# 5

## Product Specification

MODEL	EF680	Operation Environment	
Hardware		Temperature(°C)	-10~55
Material	Zinc Alloy	Humidity(%)	10-90
Finishing and Color Options	Black with Silver Rim, White with Silver Rim	Power Input	4 X 1.5V AA Alkaline Battery
Keypad	Illuminated 12 keys	Voice Prompt	Voice Guidance
Mortise Type	X15(EN Mortise with automatic deadbolt) Kaba MS2 (Australia/New Zealand Mortise with automatic locking function)	Alarm System	
Storage		Low Battery Alarm	Yes
Card Key	100	Break-in and Damage Alarm	Yes
PIN Code	10	Wrong PIN Code Lockout	Yes
Remote Control (Optional)	8	Passage Mode	Yes
Enrollment & Verification		Backup Unlock Mechanism	Emergency Battery or Key Override
Methods	Card Key, PIN Code, Mechanical Key Override and Remote Control	Backset (mm)	55 or 70(EN)/60(AU)
Verification Time(sec)	<1s	Door Thickness Range (mm)	35~50,51~60,61~100(optional)
Length of PIN Code	6~12 digits	RFID	ISO 14443A Type, 13.56 MHZ
		Dimension(mm)	External Body: 285*74*26.9 Internal Body: 285*74*27.9

components

Name of each part

How to use

Trouble-shooting

Product standards

