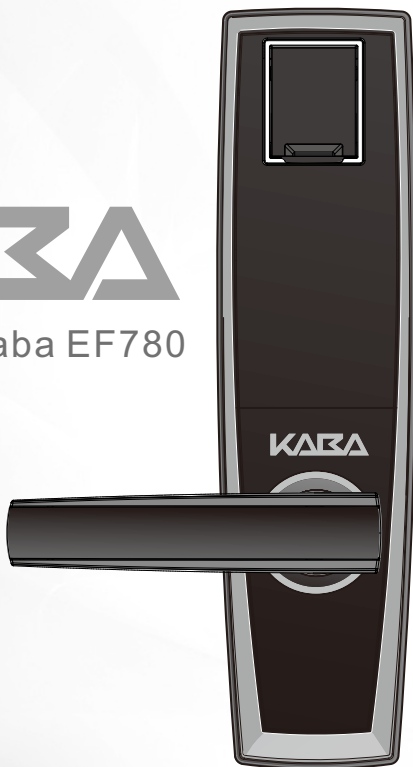


KABA

Kaba EF780



Please read these instructions carefully before you use the product.
Functions and design of this product are subject to change without prior
notice due to product improvement.

USER'S GUIDE

Please read the following before using Kaba EF780 products.

- This product is designed and manufactured to assure personal safety. Improper use can result in personal damage or property loss. Please observe the procedures for installation, use and surviving.
- Kaba EF780 are precision electronic devices. All safety and operating instructions should be read.
- This product was initially designed for weather protected outdoor areas, however it has been tested for external use.
- Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged or requires installation or re-installation.
- The product warranty does not cover defects, or damages arising from the door defects, improper installation, lack of or improper maintenance, improper storage, shipping and handling, ordinary wear and tear, misuse, abuse, accident, unauthorized service, or use with unauthorized service parts.
- Disassembly, rework and reverse engineering are prohibited without a written approval of KABA except for normal installation of the product.
- The trademarks, trade names, designs, copyright, patents and other proprietary right used on or embodied in the product and this manual shall remain the exclusive property of the manufacturer, cannot be copied or used in any form unless authorized in writing by KABA
- The information in this manual is subject to change without notice.

Product features

- Fingerprints enclosed allow you to open a door easily. You can register up to 100 fingerprints.
- A door can be opened easily with a PIN code.
- The anti-panic function enables you to open a door easily by turning the handle downward from inside.
- If an incorrect PIN code is used for more than 3 times, system will be suspended for about 15 minutes to block the trespass of an outsider.
- The voice guide function can help users to operate and set functions with ease and convenience.
- SOS alarm function only can be used when the lock is connected with security system or home automation. Please turn to retailer or after-sale service for details.

Table of Contents

1	Components	6
2	Name of Parts	
	2-1. Outside Lock (Front Body)	7
	2-2. Inside Lock (Main Body)	8
3	How to Use	
	3-1. Factory Reset	9
	3-2. Reset Admin PIN Code	10
	3-3. Delete All User Information	10
	3-4. How to Enter the Menu	11
	3-5. Instruction Overview	12
	3-6. Fingerprint Registration	13
	3-7. Delete an Individual Fingerprint	14
	3-8. Delete All Fingerprints	14
	3-9. PIN Code Registration	15
	3-10. Delete an Individual PIN Code	16
	3-11. Delete All PIN Codes	16
	3-12. Turn On Wireless Communication	17
	3-13. Turn Off Wireless Communication	17
	3-14. Remote Control Registration	18
	3-15. Remote Control Deletion	19
	3-16. Sound Volume Setting	19
	3-17. Double Identification Mode Registration	20
	3-18. Double Identification Mode Deletion	21
	3-19. Open a Door From Outside	22
	3-20. Open a Door From Inside	24
	3-21. Lock a Door From Inside	24
	3-22. PIN Code Registration	25
	3-23. Passage/Open Mode Setting	25
	3-24. Privacy Mode setting	25
	3-25. Trespassing/Damage alarm	26
	3-26. SOS Alarm	26
	3-27. Keypad Lockout Alarm	27
	3-28. Security Linkage Alarm	27
	3-29. Low Battery Alarm	27
4	Trouble Shooting	
	4-1. How to Replace a Battery	28
	4-2. Solutions to Malfunction of the Product	29
	4-3. Trouble Shooting	30
5	Product Specification	32

Safety Regulations

To ensure your own safety and prevent any damage or accident caused by the inappropriate use of the product, please read carefully before you start to use the product. 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.



Caution

Information which a user should observe to prevent any injury, damage or property loss.



Note

Supplementary information on the product.



Ban

Something must not be done.



Must

Guideline that a user should follow.

Installation



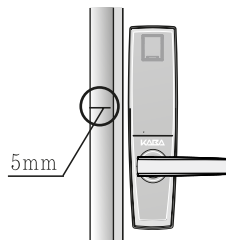
Ban

Consult a qualified installation professional for installation or relocation.



Must

Ensure that the gap between the door and the doorframe is less than 5mm. (If the gap is too wide, auto lock function may not be able to function)



Must

Do not install the product where direct contact with rainwater is possible. The rainwater may cause the malfunction of the product.



Installation



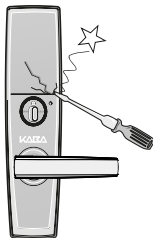
Ban

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.



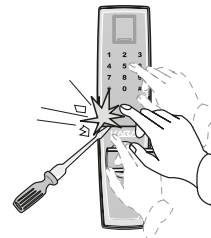
Ban

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



Ban

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



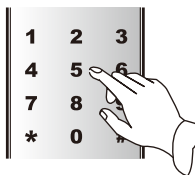
Must

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



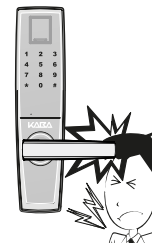
Must

Be alert when you open a door with a password. There will be a risk of theft if your password is exposed to an outsider. Change your password on a regular basis.



Must

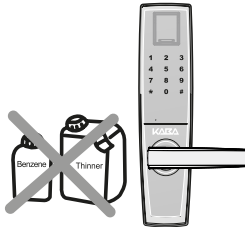
Beware of the door handle to prevent possible injury. Caution your child at home.



N. B for Installation

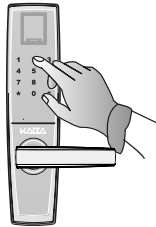
Must

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



Must

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



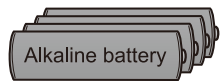
Must

Keep the keypad clean and away from foreign substance at all times and do not touch it with your wet finger.



Must

Use a new alkaline battery (AA size). Otherwise, it may cause the malfunction of the product and the lifetime of the product may be shortened.



Must

Insert the battery properly with the correct polarity. If the battery is incorrectly inserted, this may cause battery leakage or rupture and lead to the malfunction of the product. The lifetime of the product will be shortened.



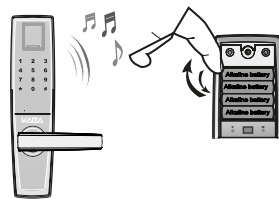
Must

Do not mix a new battery with a used one. This can cause damage and shorten the lifetime of the product.



Must

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



Must

Do not drop a remote control or give it a shock to prevent damage or malfunction.



Components

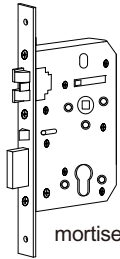
Basic Components (Kaba EF780)



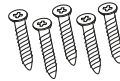
outside part
(front body)



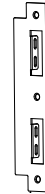
inside part
(main body)



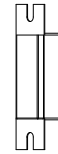
mortise



screw
(5 nos)



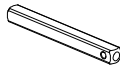
strike plate



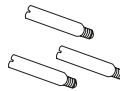
strike box
(2 nos)



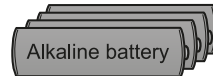
user manual



spindle



guide screw (3 nos)



Alkaline battery
battery (AA)
(4 nos)



screw
(3 nos)



screw
(4 nos)



manual key (3 nos)



working drawing

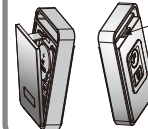
Option



remote control



button cell battery
(built-in)



push the battery
cover as the
direction of
arrow



Note

Product components are subject to change according to installation environment

2-1 Outside Lock (Front Body)

Keypad

For you to enter a number such as a PIN code, user ID and menu selection, it also displays the user ID.

Battery Change Light

Red light is on when battery needs to be replaced.



Fingerprint Reader

Identifies a fingerprint

Fingerprint Operation Light

Lights up when the fingerprint sensor is ready to scan the fingerprint.

[#] button: confirmation, fingerprint reader wake-up

[*] button: exit, return

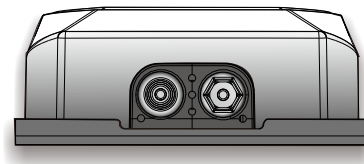
Motion Light

Indicates the status of a door lock

Handle

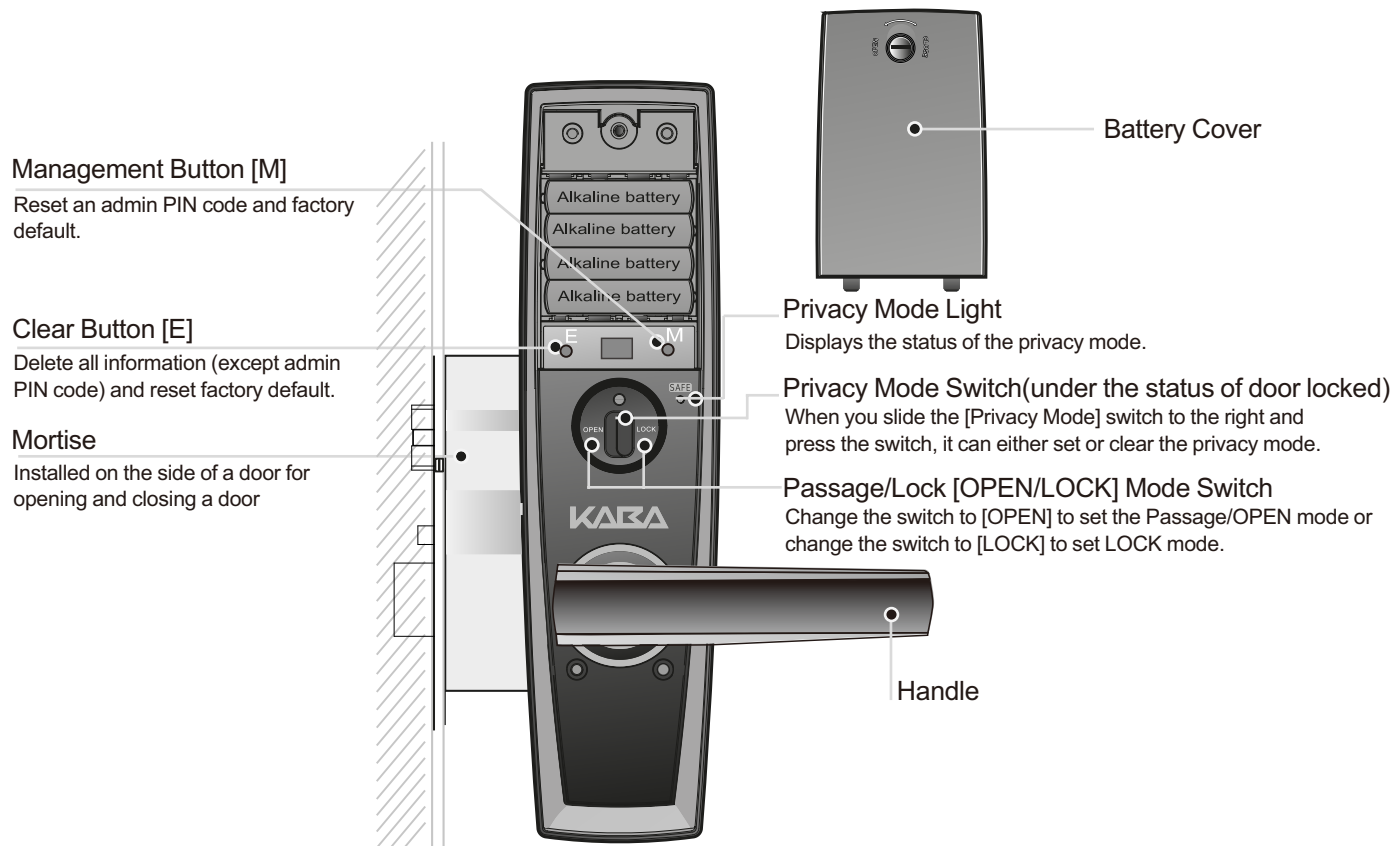
Emergency Power Supply Socket

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. You need to purchase a 9V battery separately.



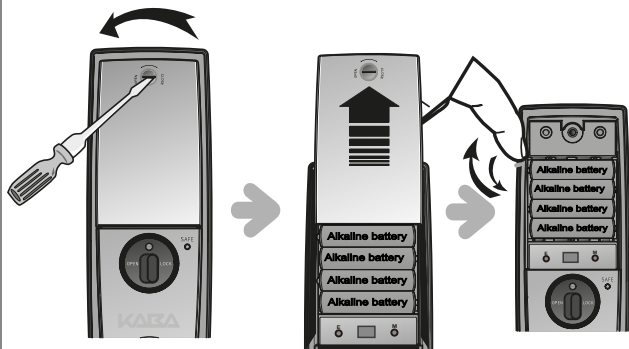
Separate purchase

2-2 Inside Lock (Main Body)



3-1 Factory Reset

- 1** Open the battery cover. Remove one piece of battery



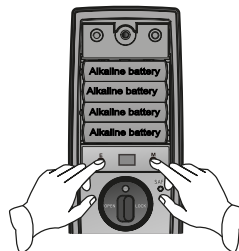
The system will restart after factory reset



Note

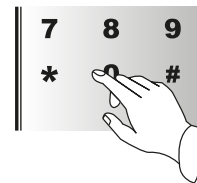
- All PIN codes and fingerprints will be deleted after factory reset. Admin PIN code will reset to 00123456.
- Please touch the keypad to make sure the lock has been powered off.

- 2** Press [M] and [E] button and put back the battery simultaneously.



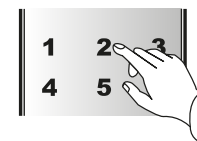
Voice guide:)))
"Please Input PIN Code"

- 3** Input 8-digit admin PIN code and press "#" button



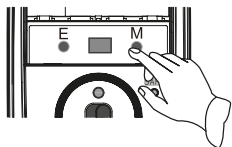
Voice guide:)))
"1 Chinese 2 English"

- 4** Select the language based on the voice guide



3-2 Reset Admin PIN Code

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



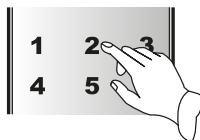
Voice guide:)))
"Please Input PIN Code"



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

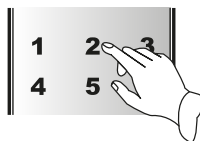
Caution

- 2 Input a new 8-digit PIN code and press "#" button



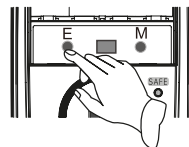
Voice guide:)))
"Please Input PIN Code again"

- 3 Input the PIN code again and press "#" button to finish reset.



3-3 Delete All User Information

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



Voice guide:)))
"Please Input PIN Code"



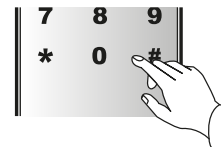
Caution All user information (except admin PIN code, wireless repeater and housekeeper) will be deleted after this operation. Remote control will not be deleted when the wireless communication is turned off.



Note

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

- 2 Input 8-digit admin PIN code and press "#" button



Voice guide:)))
"Operation succeeded."

3-4 How to Enter the Menu

1 Enter the menu by admin fingerprint.

Place admin fingerprint on the fingerprint reader



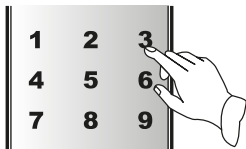
Voice guide
 "1 Fingerprint Management, 3 PIN Code Management, 4 Wireless Communication Setting, 5 System Setting, press corresponding number and pound key to confirm."

Note There is only management right available for admin fingerprint and admin PIN code. It cannot be used to unlock the door.

If there is any abnormality with the fingerprint reader, please wake up the keypad first and press # button to wake up fingerprint reader.

2 Enter the menu by admin PIN code

Input admin PIN code and press "#" button

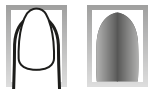


Voice guide
 "1 Fingerprint Management, 3 PIN Code Management, 4 Wireless Communication Setting, 5 System Setting, press corresponding number and pound key to confirm."

Example of placing fingerprints on the fingerprint sensor

"Good Example"

Place the finger on the center of the fingerprint sensor and press slightly so that the contact area becomes greater.



Note

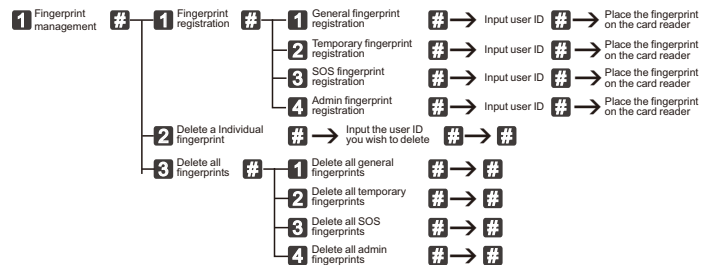
1. The fingerprint registration(or identification) may experience some problems if the ridges are indistinct or damaged, or if the fingerprints belong to children.
2. The fingerprint registration(or identification) may experience some problems if the fingerprint sensor is contaminated.
3. The fingerprint registration(or identification) may experience some problems if the finger is not placed on the right position of the fingerprint sensor(on the center of the fingerprint sensors)
4. Register multiple fingerprints or register a single fingerprint for multiple times in case the sensor fails to read due to contamination or scars.

"Poor Example"

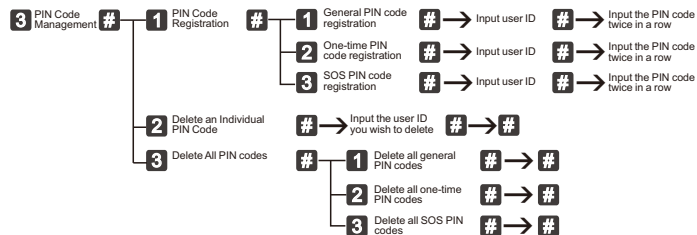
<p>Ex)1 Finger leans toward one side</p>	<p>Ex)2 Finger leans toward the tip</p>
<p>Ex)3 Finger is place too deep inside</p>	<p>Ex)4 Finger moves</p>

3-5 Instruction Overview

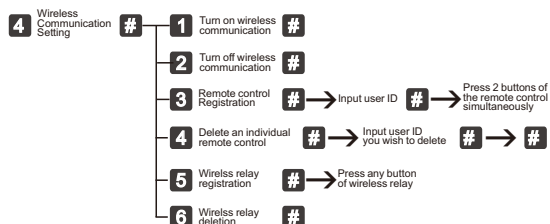
1 Fingerprint management



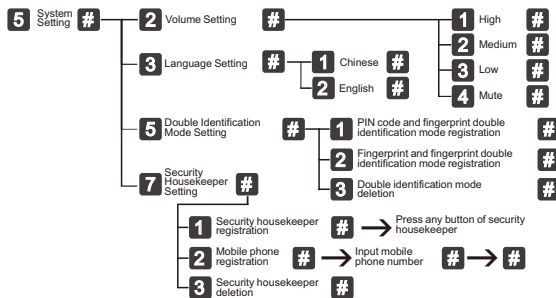
3 PIN Code Management



4 Wireless Communication Setting (only applicable to the model with wireless communication)

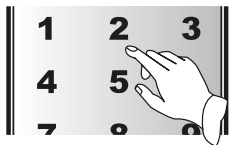


5 System Setting (security housekeeper only applicable to the model with security housekeeper function)



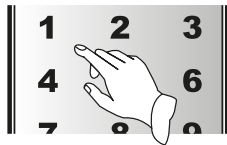
3-6 Fingerprint Registration

1 Enter the menu and press 1 and # button on the keypad



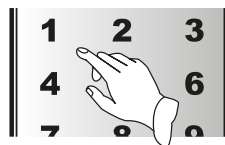
Voice guide)))
"1 Fingerprint registration,
2 Delete an individual fingerprint,
3 Delete all fingerprints."

2 Press 1 and # on the keypad



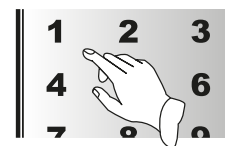
Voice guide)))
"1 General user fingerprint,
2 Temporary user fingerprint,
3 SOS fingerprint, 4 Admin
fingerprint."

3 Choose the user category

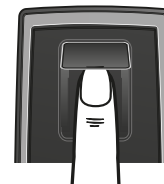


Voice guide)))
"Please input user ID"

4 Input the user ID and press # button



5 Place a fingerprint on the fingerprint reader



Voice guide)))
"Operation succeeded"

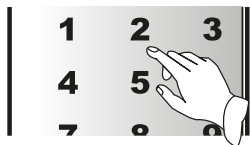



Note

Up to 100 fingerprints can be registered
General User fingerprint User ID: 10-79
Temporary User fingerprint User ID: 80-89
SOS fingerprint User ID: 90-99
Admin fingerprint User ID: 00-09
Keypad will show a default user ID when the lock voice guide "please input user ID". User can press # button to confirm and turn to the next step. (the same as below)

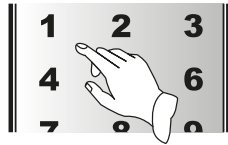
3-7 Delete an Individual Fingerprint


1 Enter the menu and press 1 and # button on the keypad



Voice guide 
 "1 Fingerprint registration, 2 Delete an individual fingerprint, 3 Delete all fingerprints."

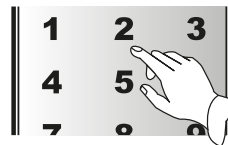
3 Input the user ID you wish to delete and press # button




Voice guide 
 "Please press pound key to confirm your input, or to press star key to input again"

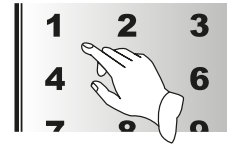
3-8 Delete All Fingerprints


1 Enter the menu and press 1 and # button on the keypad



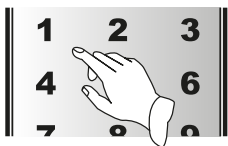
Voice guide 
 "1 Fingerprint registration, 2 Delete an individual fingerprint, 3 Delete all fingerprints."

3 Choose the user category

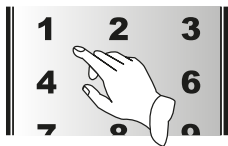


Voice guide 
 "Please press pound key to confirm your input, or to press star key to input again"

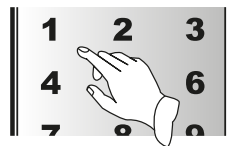
2 Press 2 and # on the keypad



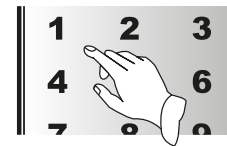
4 Press # key to finish deletion



2 Press 3 and # on the keypad

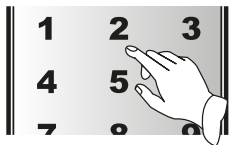



4 Press # key to finish deletion



3-9 PIN Code Registration

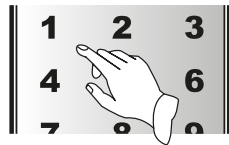
1 Enter the menu and press 3 and # button on the keypad



Voice guide 

"1 PIN code registration, 2 Delete an individual PIN code, 3 Delete all PIN codes."

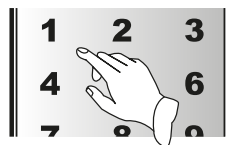
2 Press 1 and # on the keypad



Voice guide 

"1 General User PIN code, 2 One-time PIN code, 3 SOS PIN code"

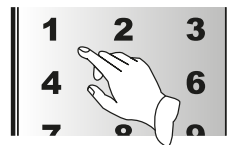
3 Choose the user category



Voice guide 


"Please input user ID"

4 Input the user ID and press # button



5 Input 8-digit PIN code twice and press # button to confirm respectively



Voice guide 

"Operation succeeded"

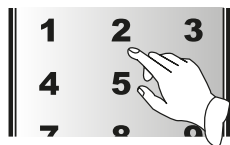


Note

- Up to 10 PIN codes can be registered
- General User PIN code User ID: 01-07
Temporary User PIN code User ID: 08
One-time PIN code User ID: 09
Admin PIN code User ID: 00

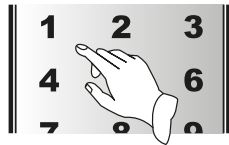
3-10 Delete an Individual PIN Code

1 Enter the menu and press 3 and # button on the keypad



Voice guide)))
 "1 PIN code registration, 2 Delete an individual PIN code, 3 Delete all PIN codes."

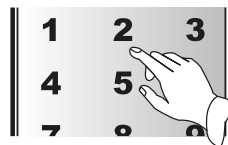
3 Input the user ID you wish to delete and press # button



Voice guide)))
 "Please press pound key to confirm your input, or to press star key to input again"

3-11 Delete All PIN Codes

1 Enter the menu and press 3 and # button on the keypad



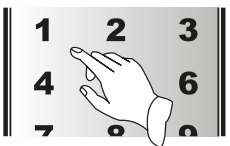
Voice guide)))
 "1 PIN code registration, 2 Delete an individual PIN code, 3 Delete all PIN codes."

3 Choose the user category

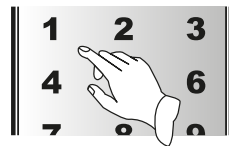


Voice guide)))
 "Please press pound key to confirm your input, or to press star key to input again"

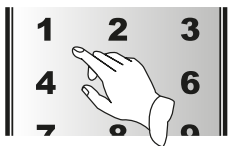
2 Press 2 and # on the keypad



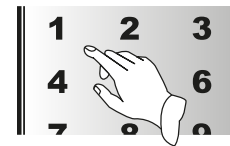
4 Press # key to finish deletion



2 Press 3 and # on the keypad

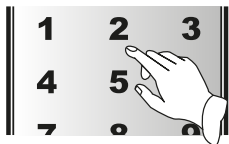



4 Press # key to finish deletion



3-12 Turn On Wireless Communication 3-13 Turn Off Wireless Communication

1 Enter the menu and press 4 and # button 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"

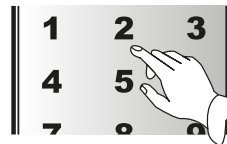
2 Press 1 and # on the keypad



Voice guide 


"Operation succeeded"

1 Enter the menu and press 4 and # button on the keypad

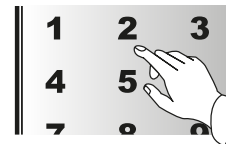



Voice guide 

"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"

 **Caution** Remote control, wireless relay and housekeeper only will be available when wireless communication has been turned on.

2 Press 2 and # on the keypad

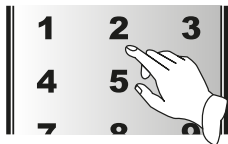



Voice guide 

"Operation succeeded"

3-14 Remote Control Registration


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



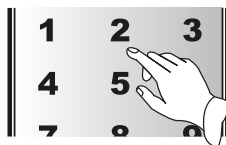
Voice guide 
"1 Turn on wireless communication,
2 Turn off wireless communication,
3 Remote control registration, 4
Remote control deletion, 5 Wireless
relay registration, 6 Wireless relay
deletion"

- 2** Press 3 and # on the keypad




Voice guide 
"Please input user ID"


- 3** Input the user ID and press # button




- 4** Press two buttons on remote control simultaneously



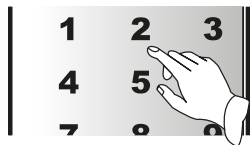
Voice guide 
"Operation succeeded"


 Remote control will be available when wireless communication has been turned on.

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

3-15 Remote Control Deletion

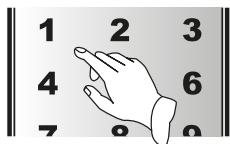
1 Enter the menu and press 4 and # button on the keypad



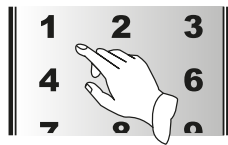
Voice guide 

"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



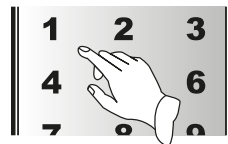
3 Input the user ID and press # button



Voice guide 

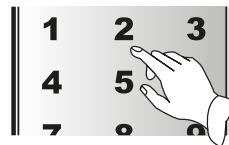
"Please press pound key to confirm your input, or to press star key to input again"

4 Press # key to finish deletion



3-16 Sound Volume Setting

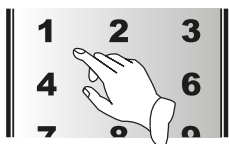
1 Enter the menu and press 5 and # button on the keypad



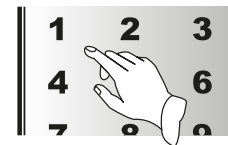
Voice guide 

"2 Sound volume setting, 3 Language setting, 5 Double identification mode setting, 7 Security housekeeper setting"

2 Press 2 and # on the keypad



3 Choose the sound volume category and press # button to confirm



Voice guide 

"Operation succeeded"



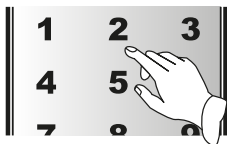
Note


There are 4 sound volume categories:

1. High
2. Medium
3. Low
4. Mute

3-17 Double Identification Mode Registration


1 Enter the menu and press 5 and # button on the keypad



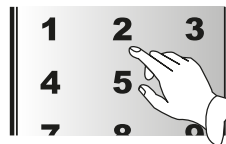
Voice guide 
“2 Sound volume setting, 3 Language setting, 5 Double identification mode setting, 7 Security housekeeper setting”


2 Press 5 and # on the keypad



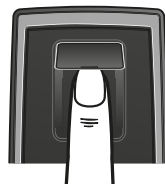
Voice guide 
“1 PIN code and fingerprint double identification mode registration, 2 Fingerprint and fingerprint double identification mode registration, 3 Double identification mode deletion

3 Press 1 and # on the keypad

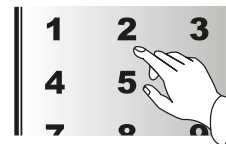



Voice guide 
“Please press finger”

4 Place fingerprint on the fingerprint reader



5 Input 8-digit PIN code and press # button



Voice guide 
“Operation succeeded”

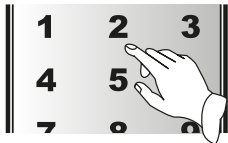


Note

- It require double identification mode fingerprint or PIN code to meet following requirements:
 - 1.Fingerprint user ID 10-79; PIN code user ID: 01-07
 - 2.It has been registered
 - 3.It has not been combined with any other double identification mode
- The lock will flash the double identification user ID when the lock is unlocked by double identification user.

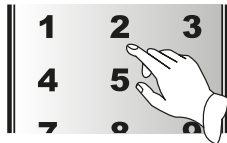
3-18 Double Identification Mode Deletion

1 Enter the menu and press 5 and # button on the keypad



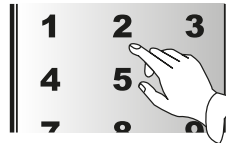
Voice guide)))
“2 Sound volume setting, 3 Language setting, 5 Double identification mode setting, 7 Security housekeeper setting”

2 Press 5 and # on the keypad



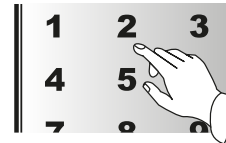
Voice guide)))
“1 PIN code and fingerprint double identification mode registration, 2 Fingerprint and fingerprint double identification mode registration, 3 Double identification mode deletion

3 Press 3 and # on the keypad



Voice guide)))
“Please input user ID”

4 Input double identification user ID and press # button



Note

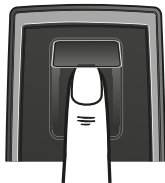
Any part of double identification user only can be deleted integrally instead of individually.

The lock will flash the double identification user ID when the lock is unlocked by double identification user.

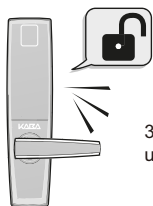
3-19 Open a Door From Outside

1 Open a door with a fingerprint

1. Place a registered fingerprint on the fingerprint reader



2. Voice guide "Verification Succeeded, door has been unlocked"



3. Push down the handle to unlock the door



Note

The lock will flash the user ID when the lock is unlocked by fingerprint, PIN code, remote control or double identification user.

2 Open a door with a PIN code

1. Touch the keypad with your palm



2. Input the scramble code and 8-digit PIN code and press # button




3. Push down the handle to unlock the door

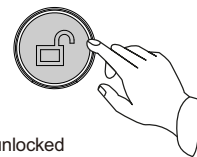


Note


- A scramble code is a set of random numbers entered before or after the input of a PIN code. The scramble code can minimize the chance of exposing the real PIN code to others. Up to 24 digits can be set with the scramble code.
- An incorrect PIN code is entered for more than 5 times consecutively, the lock will be locked for 15 minutes. Press any button of the keypad will activate the alarm.

3 Open a door with a remote control

1. Press [] button on the registered remote control



2. Door is unlocked

Voice guide 

"Verification Succeeded, door has been unlocked"

3. Push down the handle to unlock the door

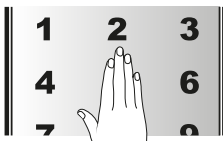


Note

It can be used anywhere inside a door given that the working distance is within 20-30m. (working distance can vary depending on the environment)

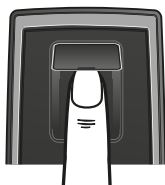
4 Open a door with PIN code and fingerprint double identification mode

1. Touch the keypad with your palm



2. Input the scramble code and 8-digit PIN code and press # button

Voice guide "Please double identify"



3. Place double identified fingerprint on fingerprint reader

4. Push down the handle to unlock the door

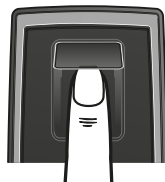
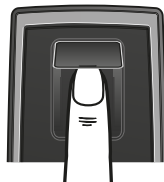


- Verification will not be ordered when the door is unlocked by double identification mode.
- The lock will flash the double identification user ID when the lock is unlocked by double identification user.

5 Open a door with fingerprint and fingerprint double identification mode

1. Place a registered fingerprint on the fingerprint reader

Voice guide "Please double identify"



2. Place double identified fingerprint on fingerprint reader

3. Push down the handle to unlock the door

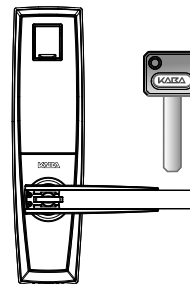


- Note** Verification will not be ordered when the door is unlocked by double identification mode.

6 Open a door with a mechanical key

1. Slide the handle cover

2. Insert the mechanical key and rotate 90 degree. Then push down the handle to unlock the door.



- A manual key can be used during battery change or when the product is not working properly.
- A manual key should be removed after use.



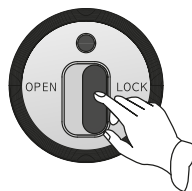
Caution In case of emergency, please keep at least 1 key outside in a safe place.

3-20 Open a Door From Inside 3-21 Lock a Door From Inside

- 1** A door can be opened when you turn the door handle downward



- 1** [LOCK] Mode



A door is locked automatically when the door is closed.



Please check if the door is locked properly.

- 2** [PASSAGE/Open] Mode



In [PASSAGE/Open] mode, door will not be locked when the door is closed.

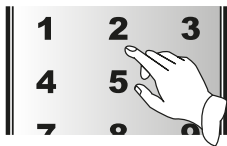
Voice guide)))
"Please double identify"



Caution • Be alert if the door is not locked in any case.
• In [Passage/Open] mode, door will be unlocked by pushing down the handle. In [Passage/Open] mode, remote control cannot be used (only applicable to be model with remote control)

3-22 Language Setting

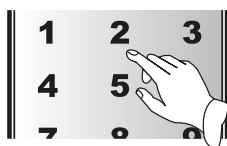
- 1** Enter the menu and press 5 and # button on the keypad



Voice guide))) 5#

"2 Sound volume setting, 3 Language setting, 5 Double identification mode setting, 7 Security housekeeper setting"

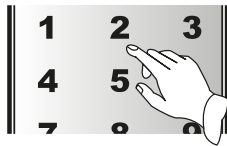
- 2** Press 3 and # on the keypad



Voice guide))) 3#

"1 Chinese, 2 English"

- 3** Choose the language category and press # button on the keypad



Voice guide))) #

"Operation Succeeded"

3-23 Passage/Open Mode Setting

- 1** Deactivate Passage/Open Mode



- 2** Activate Passage/Open Mode



In passage mode, 0 button will keep flashing

3-24 Privacy Mode Setting

- 1** Activate Privacy Mode

Change [OPEN/LOCK] switch to [LOCK] and press the privacy button to activate privacy mode. [SAFE] light will illuminate for 5 seconds after privacy mode activation succeeded.



- 2** Deactivate Privacy Mode

Press the privacy button to deactivate the privacy mode. [SAFE] light will illuminate for 2 seconds after privacy mode deactivation succeeded.



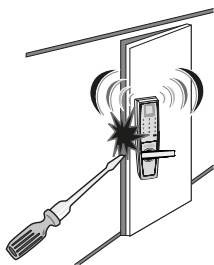
- Privacy mode will be activated under the status of door locked.
- Privacy mode can be deactivated by mechanical key.
- In privacy mode, any operation will activate the lock voice guide "Privacy Mode". Only the mechanical key and interior handle can be used.

3-25 Trespassing/Damage alarm

When the door is securely locked, an alarm will be activated if an outsider tries to break into the premises by forcibly opening a door or damaging the door lock.

1 Trespassing alarm

An alarm will be activated if an outsider tries to break into the premises by forcibly opening a door.



Note

- The alarm will last for 30 seconds.
- Change [OPEN/LOCK] switch to [LOCK] and press [OPEN/LOCK] switch for 5 seconds to deactivate alarm.
- The alarm will not be activated when the door is unlocked normally and the auto deadbolt came out. When the lock is in mute mode, the auto deadbolt alarm will go off in a highest sound volume.

2 Damage alarm

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



Note

- The alarm will last for 30 seconds.

3-26 SOS Alarm

1 SOS Alarm

When the door is unlocked by SOS fingerprint or PIN code, SOS alarm will be activated. Alarm information can be checked by connecting with home automation.

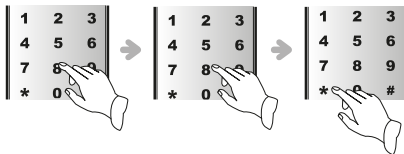


Note

- SOS alarm function only applicable to the lock with wireless relay and lock needs to be connected successfully with home automation.

3-27 Keypad Lockout Alarm

If a wrong PIN code or fingerprint is entered for 3 times consecutively, this will activate the alarm and the lock will go into lockout for 15 minutes. The lock will voice guide "Keypad Locked" when you press any button on keypad. Verify the registered fingerprint, remote control or reinsert the battery to deactivate the alarm.



3-28 Security Linkage Alarm (optional)

The lock can be connected with the security housekeeper by wireless. Any unlock operation (except by keys) will activate the security housekeeper to send an unlock notice SMS to the registered mobile phone. Trespassing alarm, damage alarm, keypad lockout alarm or SOS alarm will activate the security housekeeper to send an alarm notice SMS to the registered mobile phone.



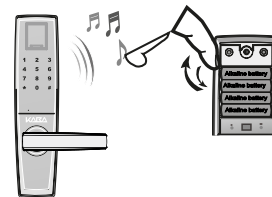
Note

Please refer to the security housekeeper HSC100 manual for details.

3-29 Low Battery Alarm

Please replace the battery when the low battery alarm voice guides "Low Battery, Please Replace Batteries!"

Low battery alarm will go off when the keypad is woken up.



Note

There will be no effect on the registered information with the battery replaced.

4

Trouble Shooting

4-1 How to Replace a Battery

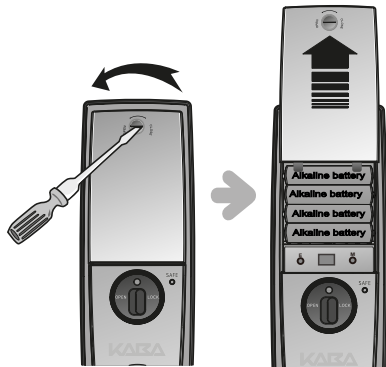
When the product is being used and the battery needs to be replaced, the battery change LED light on the lower left will illuminate if the keypad is touched.

Voice guide  Low battery, please replace batteries



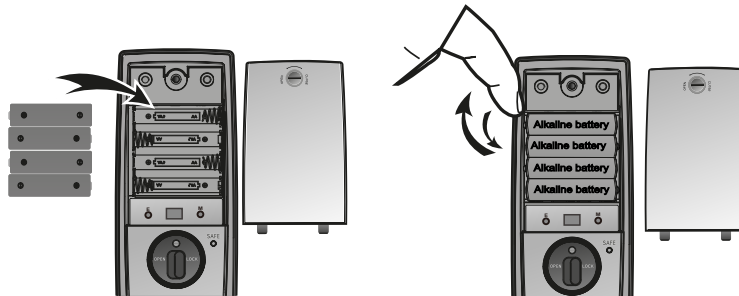
1 Open the cover of the main body

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)



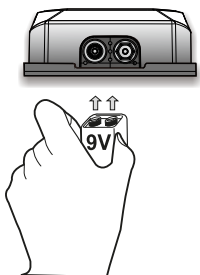
Note

- 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

1 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 Trouble Shooting

If the product is not working properly, please ensure that you have read the following table carefully before you go to contact After Sales Service. If a problem persists, Please contact After Sales Service for further assistance.

Classification	Problem	Check Points
Basic Operation	Power is not on	Check if the battery is faulty or it is inserted with the correct polarity (+ -) Check if the battery is completely discharged
	Cannot register a PIN code	Input will be cancelled if a PIN code is not entered within 10 seconds. Enter a PIN code within 10 seconds when the keypad illuminates. A PIN code cannot consist of symbols [*] or [#] Check if it is a right PIN code user ID or input a 8-digit PIN code without any repetition from registered PIN code
	Keypad does not illuminate with your palm touch or malfunction	Palm touch plays an important role of solving the problem of leaving fingerprint on the keypad. The product can only identify a palm touch when more than 3 fingers are touched on the keypad. Touch the keypad again with your open palm.
	Cannot register a fingerprint	Input will be cancelled if a fingerprint is not pressed within 10 seconds. Place a fingerprint within 10 seconds when the keypad illustrates. The fingerprint registration (or identification) may experience some problem if the ridges are indistinct or damaged, or if the fingerprint belongs to children. Do not remove your fingerprint until identification succeeded.
	A locked door cannot be opened by a fingerprint	Check if it is a registered fingerprint Wipe the finger and fingerprint reader Please try again by expanding the contact area of fingerprint as much as possible. You cannot open a door with fingerprint identification alone if the product is set on "Double Identification Mode".

Classification	Problem	Check Points
Basic Operation	No sound	Check if the lock is set as Mute
	A door cannot be unlocked with a PIN code or a fingerprint from outside and the lock voice guide "Privacy mode" and can not be unlocked	Check if the privacy mode is set from inside, a door cannot be opened using a PIN code or a fingerprint from outside The lock can be used again only after the privacy mode is deactivated by the person from inside or unlocking the door by mechanical key.
	Alarm is on suddenly when the product is touched	You will hear the alarm if the mortise sensor is not working properly. Enter a PIN code or swipe a card key or change the [OPEN/LOCK] switch to right and press it for about 5 seconds to turn the alarm off.
	Auto lock is not working	Check if the [OPEN/LOCK] switch is at right side, If the [OPEN/LOCK] switch is at left side, a door cannot be locked even if door is closed. Check if the door gap is too wide (door gap is required to less than 5mm)
	Remote control is not working	Check if the wireless communication has been turned on Check if the remote control battery goes flat
	Wireless repay is not working	Check if the wireless relay battery goes flat Check if it is a registered wireless relay.
	There still is a message prompt after wireless relay or security housekeeper has been deleted.	Check if the wireless relay battery goes flat Try to re-register the wireless relay or security housekeeper and re-delete it after the power supply is in the normal status.

Product Specification

Part	Standard	Remark
Front Body	26.9(D) x 74(W) x 285(H)	Zinc die casting
Main Body	27.9(D) x 74(W) x 285(H)	Zinc die casting
Rated Voltage	DC 6V	Can use 1 year on a basis of using 10 times per day (can use 10-month durability if it is a model with remote controller)
Working Temperature	-10 ~ 55°C	
Battery	1.5 V AA alkaline batteries(4 nos)	
Remote Controller	FSK, 433.92 MHz	Only applicable to models with remote controller

The life of a battery varies depending on the temperature, humidity, use frequency and the quality of a battery.

Memo

A memo form consisting of a header section and a large writing area. The header is a light gray bar at the top left containing the word "Memo" in a black sans-serif font. Below the header is a large white rectangular area with rounded corners, outlined in a dark gray border. This area contains ten horizontal gray lines for writing, spaced evenly from top to bottom.

Memo

A memo template consisting of a header section and a large writing area. The header is a light gray bar at the top left containing the word "Memo". Below the header is a large white rectangular area with rounded corners, outlined in gray. This area contains ten horizontal gray lines for writing.

KARA