KERONG
Electronic Key Instruction

KR-K19-FPBT

TECHNOLOGY CHANGES LIFE

Introduction

Dear customer:

Thank you for purchasing our product. To ensure proper usage of this product, please carefully read this manual before using it.

If you have read the entire manual, we recommend to keep it in a safe place for future reference. This will be beneficial for your continued use of the product.

In the initial state, any fingerprints can unlock the lock. However, once a fingerprint is registered, the lock will only recognize registered fingerprints and not be unlocked by any other unregistered fingerprints.

1 Product Introduction
1.1 Electronic Key Instruction
1.2 Electronic Key Accessories
1.3 Electronic Key Basic Parameter
1.4 Electronic Key Basic Operation
2 Two Operation Methods
2.1 Setting & Operation with the Keypad of Electronic Key
2.1.1 Unconfigured Mode to Unlock
2.1.2 Add Fingerprint & Password
2.1.3 Change Fingerprint & Password
2.1.4 Delete Fingerprint & Password
2.1.5 Initialize the Electronic Key
2.2 Setting & Operation with the Bluetooth APP
2.2.1 APP Download & Install
2.2.2 Language Change & "My" Interface Instruction
2.2.3 Add the Electronic Key
2.2.4 Add the Lock
2.2.5 Function Menu Instruction
2.2.6 Key Unlock Setting
2.2.7 Lock Color Setting
3 Specifications & Parameters

1. Product Introduction

1.1 Electronic Key Instruction

① Communication Interface
② LED Indicator
③ Unlock Button
④ Password Keypad
⑤ Confirm
⑥ Type-C Interface
⑦ Fingerprint Reader
⑧ Hanging Hole

Unit: mm

1.2 Electronic Key Accessories

Electronic Key X 1

Type-C Charging Cable X 1

1.3 Electronic Key Basic Parameter

LED Indicator Status Instruction

	Green Light	Correct Operation
	Red Light	Wrong Operation
	White Light	Initialization/Paired
	Blue Light (Flashing)	Low Voltage Alarm
	Blue Light	Configured with Fingerprint/Password

Factory Default Setting

1. Initial Admin Password: 000000
2. Password Valid Only in 6 Digits
3. Fingerprint Capacity: 0-9
4. Buzzer Setting: ON
5. Alarm Setting: ON
6. With Attack Protection Activated

Tips:

Attack Protection:

After fingerprint recognition entered 5 times or password wrongly entered 3 times (4 or more digits are incorrectly entered consecutively each time) continuously, the system will be locked and with attack protection alarms. The alarm can be canceled automatically after 180s; otherwise, it can logo the APP and send the unlocking command to cancel.

1.4 Electronic Key Basic Operation

1.4.1 Unconfigured Mode to Unlock

No need to input any Fingerprint/password, it can click the "Unlock Button" on the key to activate the key.

Then the Blue light on the key will shin, during the shining, it can insert the key into lock to unlock directly.

2.Two Operation Methods

2.1 Setting & Operation with the Keypad of Electronic Key

2.1.1 Unconfigured Mode to Unlock

1. Input "0 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "1", the blue light will continue to flash.

3. Input the "New User Fingerprint" 4 times (during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user fingerprint is added successfully.

1. Input "0 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "2", the blue light will continue to flash.

3. Input the "New User Password #" twice (during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user password is added successfully.

Tips:

① Password Valid Only in 6 Digits

② Password Capacity: 50

③ Fingerprint Capacity: 50

④ When the key is in unconfigured mode or being activated, after waking up the screen by any button or fingerprint, the LED will shine blue, after the key is configured with fingerprint/password, after waking up by pressing any button or fingerprint, the LED will shine blue light

2.1.2 Add Fingerprint & Password

1. Input "0 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "1", the blue light will continue to flash.

3. Input the "New User Fingerprint" 6 times (during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user fingerprint is added successfully.

1. Input "0 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "1", the blue light will continue to flash.

3. Input the "New User Password #" twice (during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user password is added successfully.

Tips:

① Password Valid Only in 6 Digits

② Password Capacity: 50

③ Fingerprint Capacity: 50

④ When the key is in unconfigured mode or being activated, after waking up the screen by any button or fingerprint, the LED will shine blue, after the key is configured with fingerprint/password, after waking up by pressing any button or fingerprint, the LED will shine blue light

2.1.3 Change Fingerprint & Password

1. Input "0 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "2", the blue light will continue to flash together with one beep buzzer. Then input "2", the buzzer will beep once again together with the blue light flashing.

3. Input the "Old User Fingerprint" once during the flashing, then the buzzer will long beep for once, and the LED light will shin from green to blue.

4. Input the "New User Fingerprint" 6 times (during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user fingerprint is changed successfully.

1. Input "0 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "2", the blue light will continue to flash together with one beep buzzer. Then input "2", the buzzer will beep once again together with the blue light flashing.

3. Input the "Old Admin/User Password # during the flashing, then the buzzer will long beep for once, and the LED light will shin from green to blue.

4. Input the "New Admin/User Password # twice (during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user password is changed successfully.

2.1.4 Delete Fingerprint & Password

1. Input "0 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "3", the blue light will continue to flash together with one beep buzzer. Then input "1", the buzzer will beep once again together with the blue light flashing.

3. Input the "User Fingerprint" during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user fingerprint has been deleted well.

1. Input "0 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "3", the blue light will continue to flash together with one beep buzzer. Then input "2", the buzzer will beep once again together with the blue light flashing.

3. Input the "User Password # during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user password has been deleted well.

Delete All Fingerprints & Passwords

1. Input "2 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "1", the blue light will continue to flash together with one beep buzzer. Then input "1", the buzzer will beep once again together with the blue light flashing.

3. Input the "User Fingerprint" during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user fingerprint has been deleted well.

1. Input "2 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue. Then input "1", the blue light will continue to flash together with one beep buzzer. Then input "1", the buzzer will beep once again together with the blue light flashing.

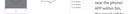
3. Input the "User Password # during the flashing, then the buzzer will long beep for once, and the green light will shin for 1s, indicating that the user password has been deleted well.

2.1.5 Initialize the Electronic Key

1. Input "2 #", the buzzer will long beep for once, and the blue light will flash.

2. During the flashing, input the "Admin Password #", the buzzer will long beep for once, and the LED light will shin from green to blue.

3. Input "# #" during the flashing, the blue light will continue to flash together with one beep buzzer. Then input "# #", again, and the LED light will shin from green to blue and turn to white light. The buzzer will long beep for once, and the LED light will shin for 1s, indicating that the key initialization is successful.



2.2 Setting & Operation with the Bluetooth APP

2.2.1 APP Download & Install

1. Scan the QR code below to download the APP. (Tips: It can also download the APP from APP Store / Google Play.)

2. Download finished, then install the APP on your phone device.

3. Open the Bluetooth on the phone and log in directly, no need email or phone number account.

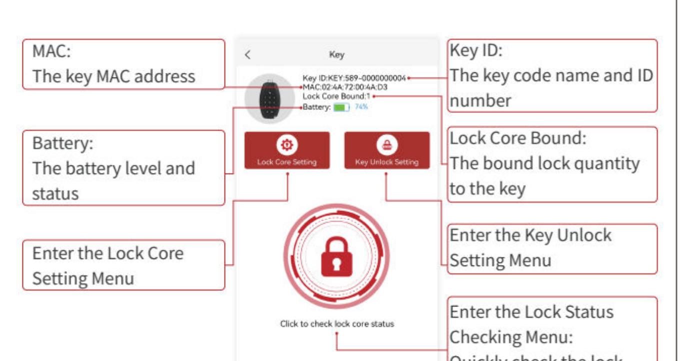
2.2.2 Language Change & "My" Interface Instruction

2.2.3 Add the Electronic Key

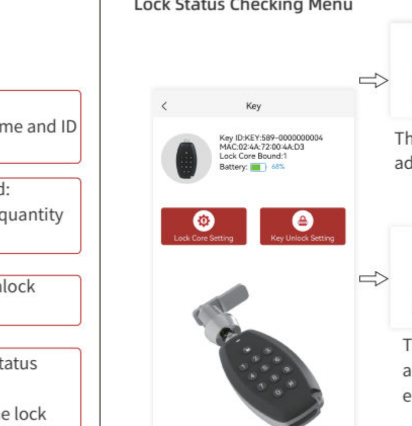
2.2.4 Add the Lock

•2.2.5 Function Menu Instruction

Main Function Menu



Lock Status Checking Menu



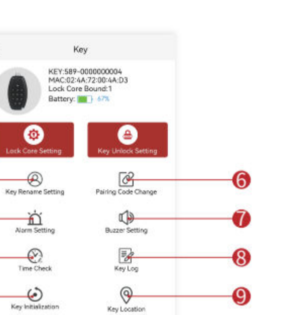
Insert the electronic key into lock

The lock has not been added — " No " to exit, " Yes " to add the lock

The lock has been added by the current electronic key — " No " to exit, " Yes " to enter the Lock Core Setting Menu

The lock has been added by the other electronic key — Exit

Key Function Setting Menu



① Key Rename Setting:
Rename electronic key according to personal preference

② Alarm Setting:
Attack protection alarm activates & deactivates setting (Activate as default)

③ Time Check:
Make the electronic key clock same as phone/real time

④ Key Initialization:
Key unlock setting and key function setting will be back to factory default; the app will be disconnected, but the lock paired before still exists

⑤ APP Version No.:
The key program version (software version) and the key PCB version (hardware version)

⑥ Pairing Code Change:
Same as verification code, used to pair the electronic key and APP. Once received and bound the electronic key, please change this code first

⑦ Buzzer Setting:
The electronic key operation sound activates & deactivates setting (Activate as default)

⑧ Key Log:
The electronic key operation records

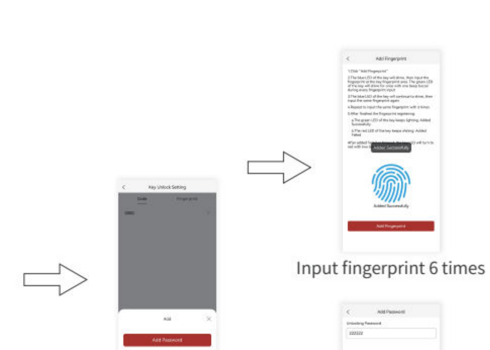
⑨ Key Location:
After clicking this function, the related key will beep to inform the user where it is

⑩ Exit Connection:
Exit the connection between the APP and the current electronic key

⑪Cancel Pairing:
Same as Key Initialization to reset the electronic key

•2.2.6 Key Unlock Setting

The Electronic Key Fingerprint/Password Settings

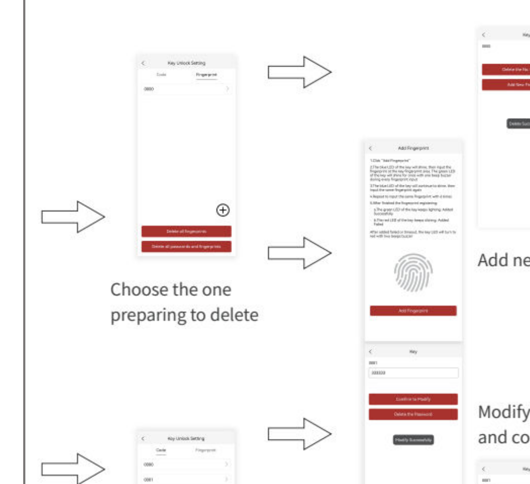


Click " + " to add fingerprint/password

Add fingerprint/password

Input fingerprint 6 times

Set the password according to personal preference and confirm



Choose the one preparing to delete

Delete the fingerprint

Add new fingerprint

Modify the password and confirm

Delete the password

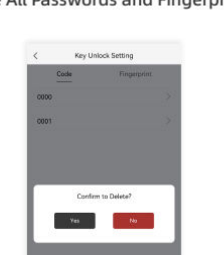
Choose the one preparing to modify/delete

Delete All Passwords

Click " Delete all passwords " and confirm to delete all passwords

(The initial admin password will not be deleted, but if the initial admin password has been changed, it will also be deleted)

Delete All Passwords and Fingerprints



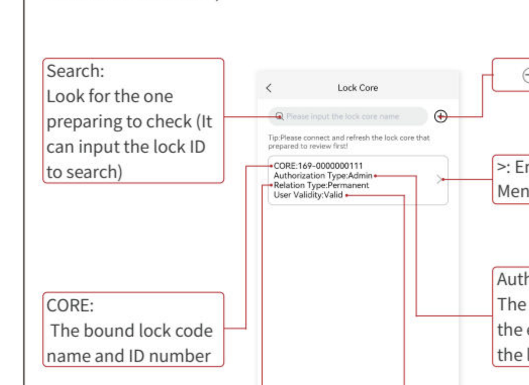
Click " Delete all passwords and fingerprints " and confirm to delete all passwords and fingerprints

(The admin password will be back to the initial admin password, and cannot be deleted)

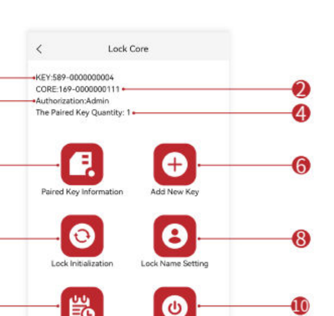
•2.2.7 Lock Core Setting

Paired Lock List

(Tips: Before searching, please insert the electronic key into the lock wanted to check to refresh first.)



Lock Core Menu



①KEY: The bound key code name and ID number

②CORE: The current lock code name and ID number

③Authorization: The permission level of the bound electronic key (Admin/User)

④The Paired Key Quantity: The bound electronic key quantity to the current lock

⑤Paired Key Information: Check & Modify the bound electronic key information to the current lock

⑥Add New Key: Add the new electronic key to the current lock

⑦Lock Initialization: Reset the current lock and back to factory default status, all paired electronic keys and lock settings will be deleted and cleared (After clicking this function, please insert the electronic key into the lock within 10s to communicate)

⑧Lock Name Setting: Rename the lock according to personal preference

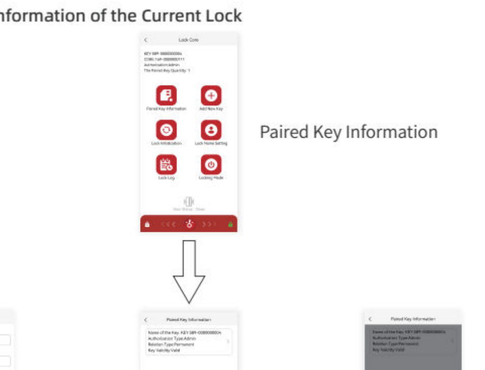
⑨Lock Log: The current lock operation records (After clicking this function, please insert the electronic key into the lock within 10s to refresh)

⑩Locking Mode: Select locking mode preference
(**Manuel Locking-**It needs to insert the electronic key into lock and send the locking command to make the lock enter the locking status)
(Auto Locking-The lock will enter the locking status automatically after unlocking for 3s)
(Each time before unlocking, it needs to choose which mode to lock; otherwise, it will be default as auto locking after unlocking for 3s)

⑪Door Magnet: Check the lock status whether it is in " Close " status or in " Open " status

⑫Key Sign: Slide to left to lock, and slide to right to unlock (Green color means the current locking status)

Paired Key Information of the Current Lock

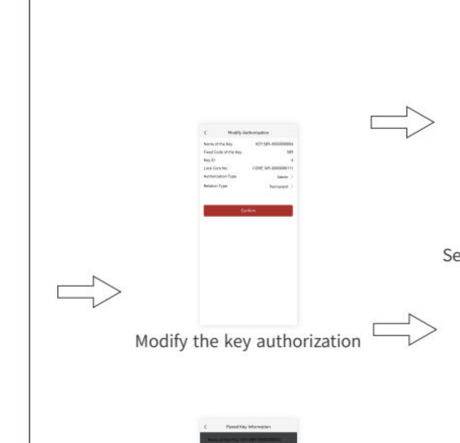


Paired Key Information

Add new key

Click " + " to add new key

Enter the paired key information menu, and choose the one preparing to check



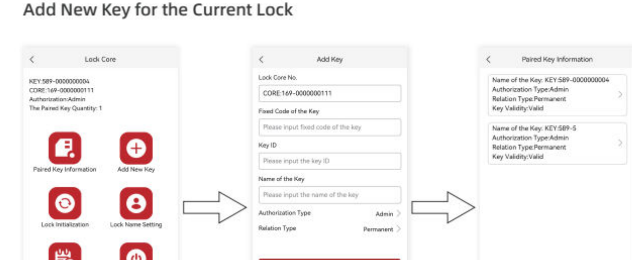
Modify the key authorization

Set the key authorization type

Set the key relation type

Delete the key

Add New Key for the Current Lock



Add New Key

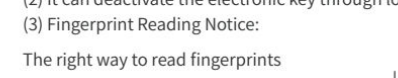
Input the fixed code, key ID, authorization type, and relation type of the key

Confirm to add the new key

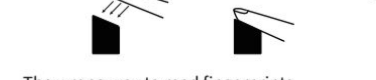
3. Tips & Notices

(1) After setting the fingerprints and passwords of the key well, each time it can input the " correct fingerprint/password # " to activate the key, then it also needs to press the " Unlock Button" before unlocking.
(2) It can deactivate the electronic key through long press the " # " button.
(3) Fingerprint Reading Notice:

The right way to read fingerprints



The wrong way to read fingerprints



Note:
a. When entering fingerprints, please place your finger on the fingerprint module according to the above correct method. It should be noted that if the finger is too dry or too worn, it will affect the unlocking, and the fingerprint entry will fail.

b. If the red light is on during pressing, please adjust the pressing position of your finger to continue entering.

c. If there is no action of pressing the fingerprint during registration, it will exit after a timeout of 30 seconds. After exiting, it needs to start again.

(4) Do not take apart the electronic key and the lock without permission.

(5) Keep the metal 3 PIN contacts of the lock and the electronic key dry and non-polluting.

(6) It can use the power bank with Type-C interface to have emergency power for the electronic key if needed.

(7) The user authorization electronic key only has the locking and unlocking function in the Lock Core Setting Menu.

4. Specifications & Parameters

Specifications

Electronic Key Fixed Code Name	588
The According Lock Core Fixed Code Name	168
Key Log Capacity	10, 000
Lock Core Log Capacity	32
Lock Quantity Can Be Added By One Key	10,000
Key Quantity Can Be Paired By One Lock	10

Parameters

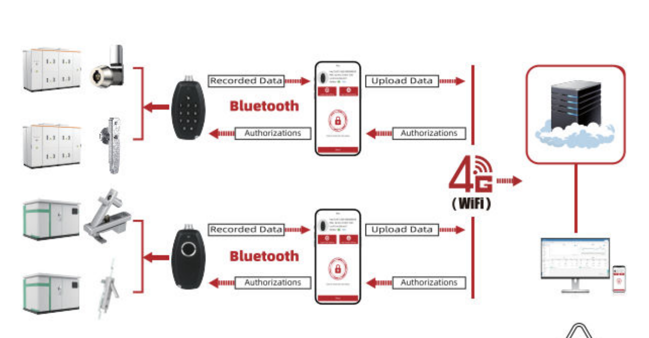
Activated Method	Fingerprint, Password, Bluetooth
Bluetooth Module	Ebyte
Bluetooth Communication Distance	6-8m
Loading Current	350mA@4.2V
Fingerprint Activate Current	37mA@4.2V
Password Activate Current	6mA@4.2V
Charging Current	365mA@5V
Charging Time	3H
Lithium Battery	CLY803030 3.7V 740mAh
Wide Voltage	3.4V~4.2V
Low Voltage	3.6V+0.1V
Anti-static Electricity	Contact Discharge 6KW, Air Discharge 12KW
Unlocking Times With Full Charged	1900+ Times
Motor Lifetime	100, 000+ Times

KERONG®

Smart Electronic Battery-less Locking Solution Manufacturer

20+ Years Experience

OEM & ODM Available



V.1: K19a240715E

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FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

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

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.