

User manual

1. Function introduction:

1. Main function and features:

Function	Feature
Sound Prompt	Lock will prompt with sound when input wrong or correct password, battery is in low voltage, unlocking for a long time
Light prompt	Green: correct operation
	Red: wrong operation
	Blue: low voltage
	White: standby status
Low voltage alarm	Low voltage alarm: When the battery voltage is lower than 4.6V, after unlocking the battery, the led blinks in blue and beeps for eight times. Advised to replace the battery as soon as possible
	Last unlocking: When the lock is lower than 4V, the lock can only be unlocked for the last time, that is, the lock cannot be locked anymore until the user change the battery.
External power supply (with front panel)	When the internal battery is out of power, the user can use external power supply to provide power for the lock (with front panel).
Manager account (1~12)	Enter the account when logging in for the first time. After logging in successfully, you cannot change the administrative

	account except after initialization.
Manager password (4digit、0000)	Manager password can be used to open the lock in emergency
User account (1~12)	The user account created through the manager APP, and cannot be the same as the manager account.
User password (4)	User password can be used to open and close the cabinet.
OTP	When the user forgets the password, he can ask the after-sales service of the manufacturer to unlock the lock through the SN number. The password is a one-time emergency password, which will be invalid immediately after being used once
	After using the one time password, all users will be cleared, manager password back to the initial password 0000, operation log will not be cleared.

1. Parameter:

Material	ABS+PC+Zinc alloy
Power consumption	Load current<270mA@6V
	Locked rotor current<350mA@6V
	Standby current<30mA@6V
	Quiescent current<45uA6V
Working voltage	DC6V(AA1.5×4)5#
	Wide voltage: 4.2V~6.3V
	Type-C connector: 4.2~6.3V
	Standby for more than 12 months
	Low voltage: 4.6V±0.1V
Working environment	Low voltage limit: Below 4.2V, provide the last open
	Working temperature -20℃ ~ +65℃
	Working humidity 10% ~ 90%RH
Anti-static	Air static 15KV

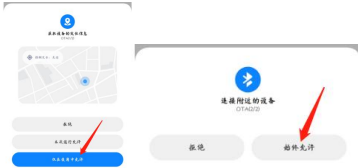
	Touch static 8KV
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2. Operation:

1. Initialize the operation

Project	Operation
Initialization	By Manager password: Input “*#9#”, lock will prompt with sound “di di”, green light shines fast, Input “manager password #”, green light shines slower,input “manager password #” again, lock will prompt with sound “ di di di, Reset the lock successfully
	Rest button: Pressing button “Reset” for 2 seconds, lock will prompt with “di di di” and lock flashes in green twice.Reset the lock successfully
	OTP: input“10 digit OTP password + #” Reset the lock successfully
Note : By Reset button will clear the Bluetooth lock configuration user information, initialize the manager password and clear logs, and By the manager password and password OTP emergency initialization will not clear logs.	

2. OTA operation

Project	Operation
OTA APP operation	1.  ,scan the password and download the APP
	2.Open the software  allow to obtain the positioning function and enable Bluetooth. Open the “OTA”
	3.Click Search for nearby devices, and select the SN number to be connected from the device list (as shown below).



Device List		Search
Name:BTCUJ-0000000000		
Mac:22:22:22:CC:BB:AA		
Name:SN 00000000216		
Mac:D9:4D:A0:AE:E1:DF		
Name:SN 00000000442		
Mac:D7:58:A1:AE:E1:DF		
Name:BTCUJ-00000000017		
Mac:E1:8D:FF:70:49:25		
Name:SN 00000000015		
Mac:D5:FB:A5:0D:28:74		
Name:SN 00000000012		
Mac:D5:FB:A6:0E:21:5D		
Name:CN 00000000000		
Mac:01:78:EA:00:28:96		






< SN:0000000000 Set

SELECT FILE

ENTER OTA MODE

OTA UPDATA

升级进度条

4. Choose Bin file(the file for update)
5. Click ENTER OTA MODE to delete the original application and enter the OTA upgrade mode
6. Click OTA UPDATA 2 seconds after step 2 to start the upgrade

Update password (default: 5678)	Note: The default upgrade password of APP is 5678. If the upgrade password is not changed, you do not need to set it. If the update password is wrong , when click ENTER OTA MODE, you cannot delete the original app and enter the OTA upgrade mode.
Note: 1. If the Bluetooth device cannot be searched, restart the Bluetooth and open the APP search again 2. Exit the upgrade after the upgrade fails, and open the APP again to enter the upgrade	

3. ADMIN APP

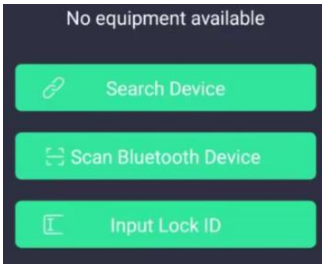
Project	Operation
Login and open the	1.Search the KERONG ADMIN APP store and install it

lock

Open APP---connect the SN number ---input the PIN password (on the back of lock body)---Input phone number (input 1~12digits) ---input manager password (Original manager password is “0000”) ---Connect successfully, and press the screen to open the lock



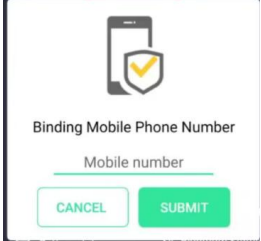
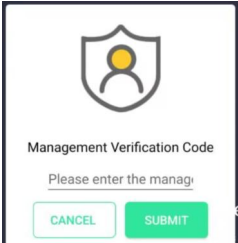
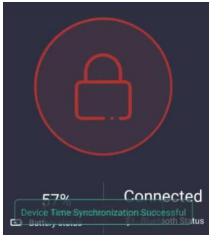
Open“KERONG ADMIN”



Click "Allow" to open the photo function and "allow to obtain the positioning function". You can search for nearby devices,scan the device and input the SN number to connect the mobile.

Click the search device, and choose the SN number of lock(as below)

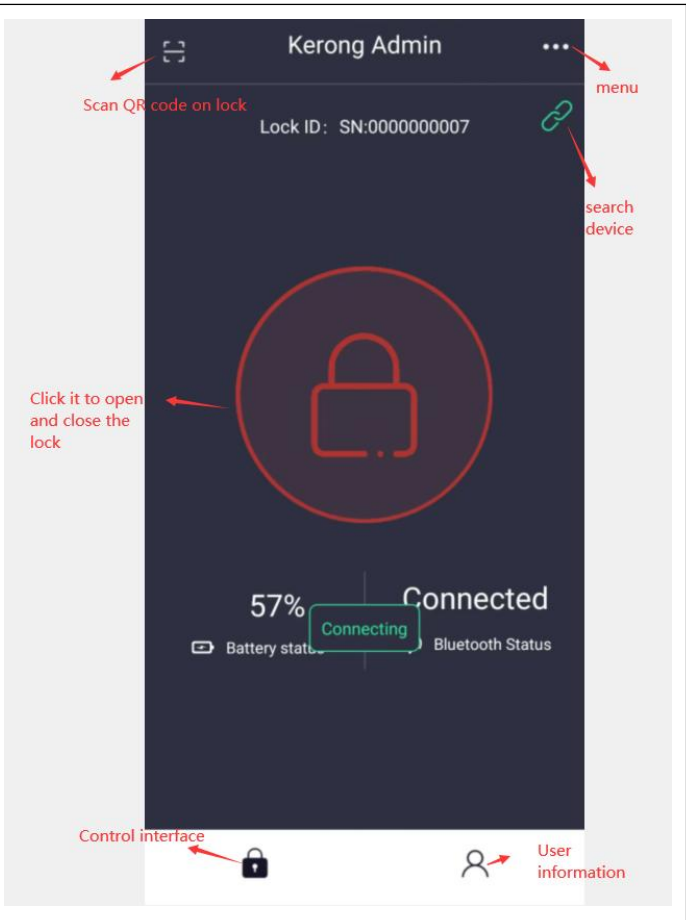


	 Connection Code 2903 CANCEL SUBMIT Input the pin password,such as: “2903”  Binding Mobile Phone Number Mobile number CANCEL SUBMIT Input the phone number or 1-12 digits  Management Verification Code Please enter the manage CANCEL SUBMIT Input the manager password, Original manager password is 0000  Press the red button to open the lock
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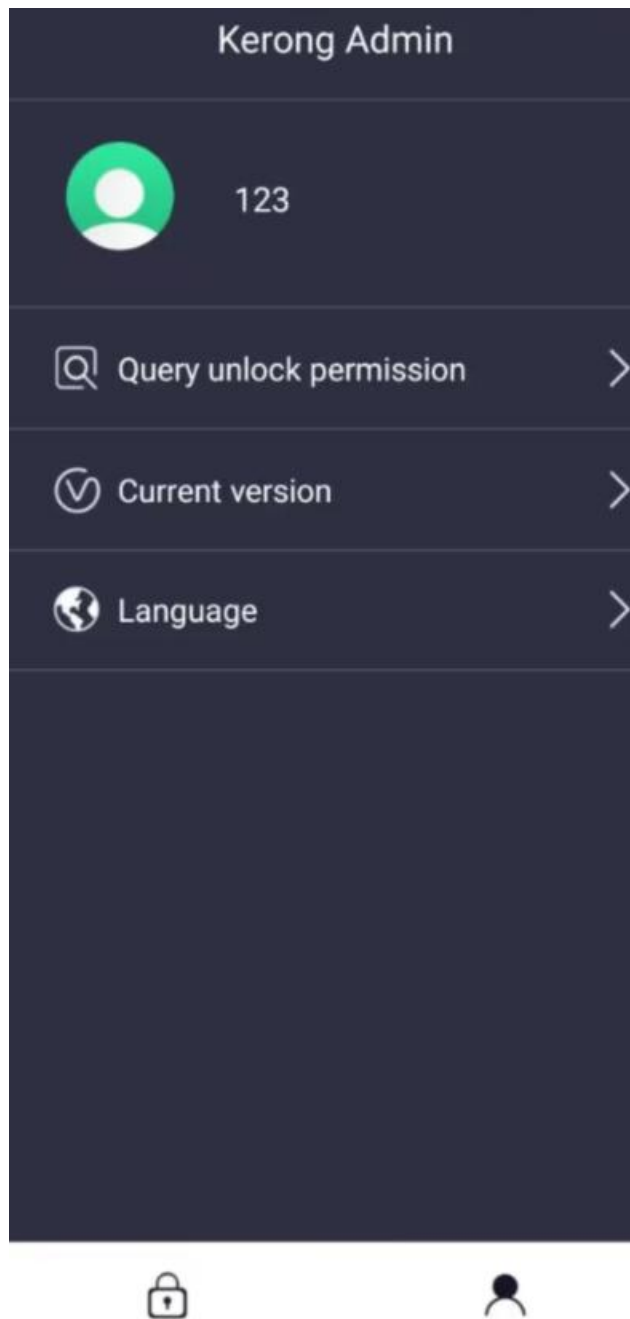
4. APP operation

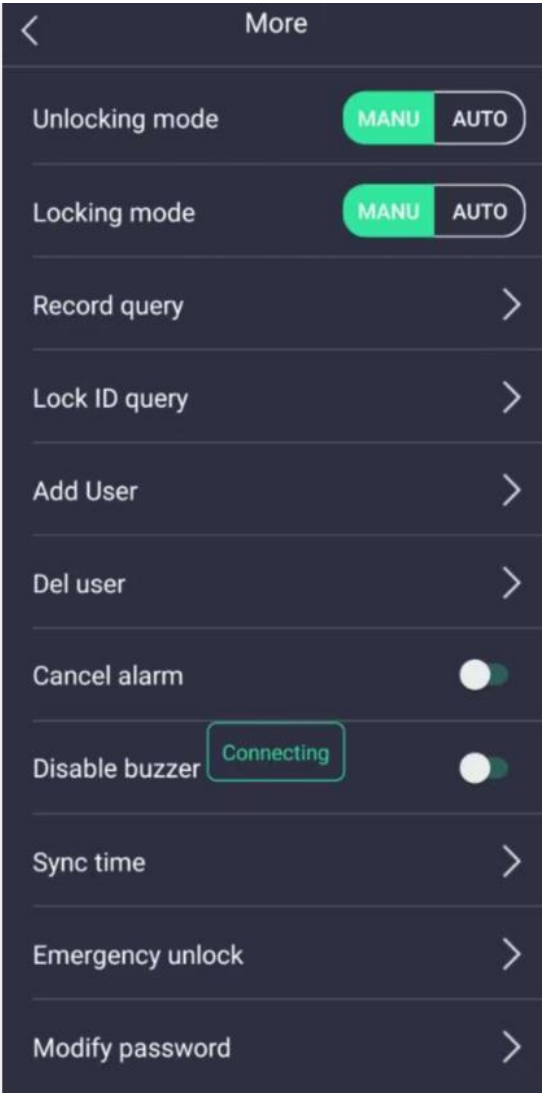
Project	Operation
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Introduction to the unlocking interface



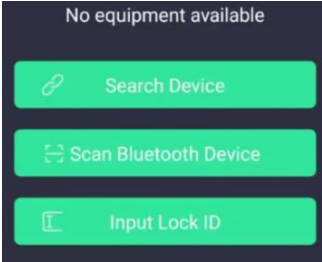
User information



Set menu interface	
Open method	Manu: When user connect to the lock, need to click the red button on mobile to open the lock Auto: As the App connect to the lock, the user can touch the panel to open the lock

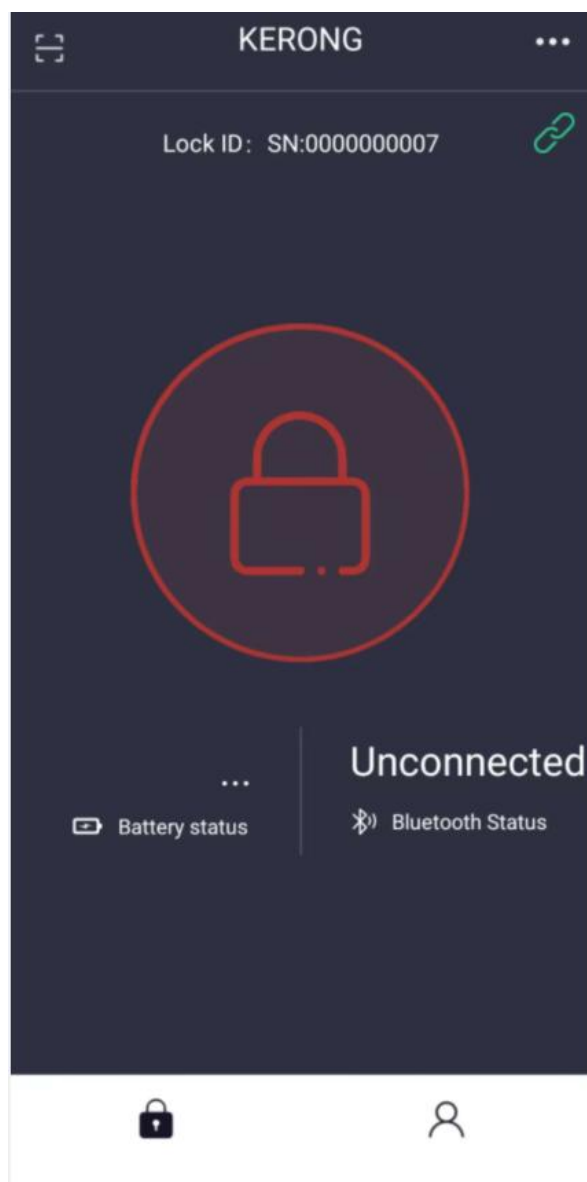
Close method	Manu: When open the lock, user need to press the red button on lock to close it Auto: After 5 seconds, the lock tongue will stretch out
Record query	It can check 200 records
Query lock ID	Query the lock ID which is connected
Add user	1.Click the "+" button below to add periodic users or one-time users. The added users can only log in through "Kerong Smart Cabinet Lock"; 2.Periodic user: Used within a certain period of time, beyond or within the set period of time, the user cannot log in and use the APP of "Kerong Smart Cabinet Lock" 3.One-time user: The user can only log in the APP "Kerong Smart Cabinet Lock" once, and cannot use it again after exiting. Note: The password is automatically generated by the system and can be modified by APP "Kerong Smart Cabinet Lock". A maximum of 100 users can be added.
Delete user	1.Delete a single user: Hold down the user you want to delete - swipe right - click the red trash can button 2.Delete all user: Click“-”, press yes
Cancel alarm	Choose turn on or turn off the hook alarm
Disable buzzer	Choose turn on or turn off the buzzer
Sync lock	Verify the clock to check whether the clock is normal. If the displayed clock is 00:00:00, the clock hardware is faulty.
Emergency unlock	When the user forgets the password, he can ask the after-sales service of the manufacturer to unlock the lock through the SN number of the lock body. The password is a one-time emergency password, which will become invalid immediately after being used once
Modify password	Modify the password, and the password should be 4 digits
Query unlock permission	query the password and validity period of an existing user

5. User APP

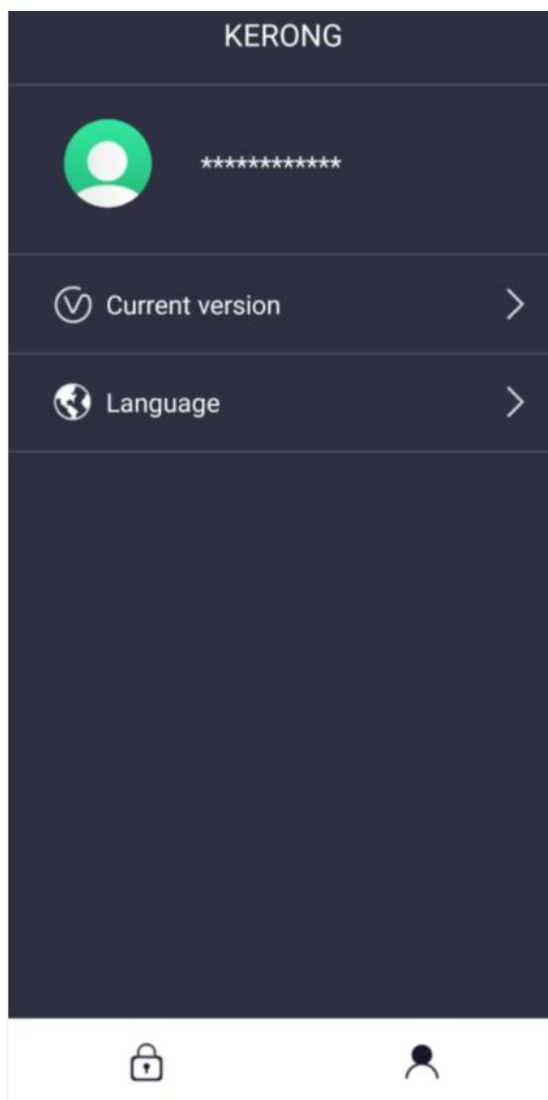
Login in	1. Search the "Kerong Smart Cabinet Lock" in APP store, and install it.
	2.Open the APP—Click search device—click the SN number —Input the PIN password– Verify user information  Open the APP  Click "Allow" to open the photo function and "allow to obtain the positioning function". You can search for nearby devices,scan the device and input the SN number to connect the mobile.

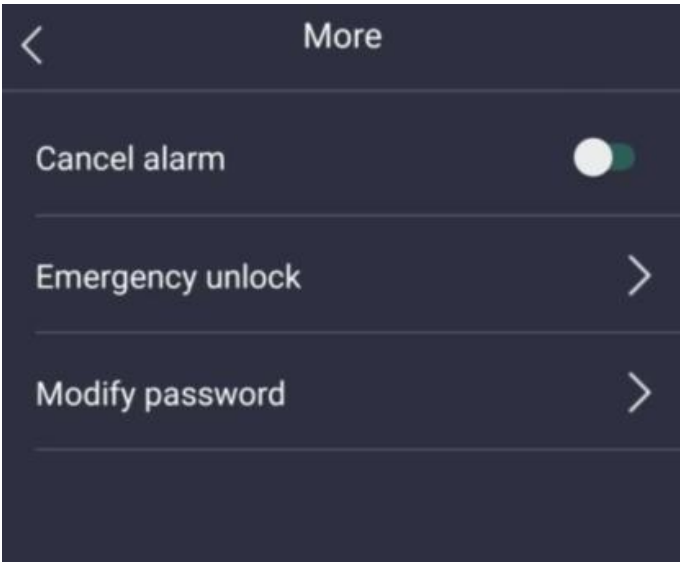
	Connection Code 2903 CANCEL SUBMIT Input Pin password, such as : “2903”  User authentication Mobile number Password CANCEL SUBMIT Input the account and password provided by manager
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User interface



User information



Manu	
Cancel alarm	Turn on or turn off the hook alarm function
Emergency unlock	When the user forgets the password, he can ask the after-sales service of the manufacturer to unlock the lock through the SN number of the lock body. The password is a one-time emergency password, which will become invalid immediately after being used once
Modify password	Modify the password, and the password should be 4 digits

2. Electronic key

Electronic key	Manager electronic key: 1.Insert the manager electronic key into the panel, the lock will open the lock and clear the user electronic key pairing information. Note: If used for the first time, the lock will be paired with the electronic key, and the lock can only use this
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	electronic key.
	User electronic key: Insert user electronic key, the lock will open. Note: If used for the first time, the lock will be paired with the electronic key, and the lock can only use this electronic key.
Note: 1. Using the manager electronic key can clear the lock body pairing user electronic key information at once, the user can re-pair a new user key after using the manager key 2. Clearing the lock body manager electronic key configuration information can only be done by RESET button on lock and initialisation of the electronic key, clearing the lock body user electronic key information by manager key or rest button on lock/initialisation of the electronic key, clearing the initialisation electronic key configuration information can only be cleared by reset button 3. initialising the electronic key does not initialise the log. Translated with www.DeepL.com/Translator (free version)	

6. Emergency methods

- 1) The * key is the clear key and the # key is the confirm key.
- 2) The initial manager password is "0000";
- 3) Keep it properly after using external power supply, please do not place it inside the cabinet.
- 4) The blue light flashes after opening the lock, indicating that the internal voltage is insufficient, please replace the battery with a new one in time.

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- 5) forget the password: please follow the "manager password" principles of use and use the way to operate, or contact the manufacturer after-sales service warm tips;
 - 6) If the internal battery is dead, can be opened through external power supply external power supply;
 - 7) Prohibit the use of different brands, different old and new batteries.

FCC Warning:

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

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

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

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

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.