User manual

Preface

Dear Customers:

Thanks for choosing card cabinet lock offered by Kerong Industry (HK) Co ., Limited . Please read this 《User Manual 》 carefully before using.

Thanks for your kind understanding and support!

Contents

1. Relative Products

B panel	C panel	D panel	E panel
	1 2 3 / 4 5 6 / 7 8 9 / * 0 #	1 2 3 / 4 5 6 / 7 8 9 / * 0 #	

F panel	G panel	64RF panel	36SF panel
30mm	65mm	64mm	36mm

51SF panel	51SF-FM panel	64RP panel	64RP-FM panel
51mm			

S123 lock body

2. Product Appearance

2.1 Lock body
Material: ABS
Size: 123*59*19.5mm

2.2 Front panel
Material: PC+Acrylic
Size: 65*65*13mm

2.3 Lock hook
Suitable lock hook for installation

2.4 Screws
Suitable screws for different material cabinets
(wooden/metal) and different door thickness.

2.5 External power supply

With external battery box and power adaptor
to work with lock body or front panel for
emergency power supply.

3. Product Installation Dimensions
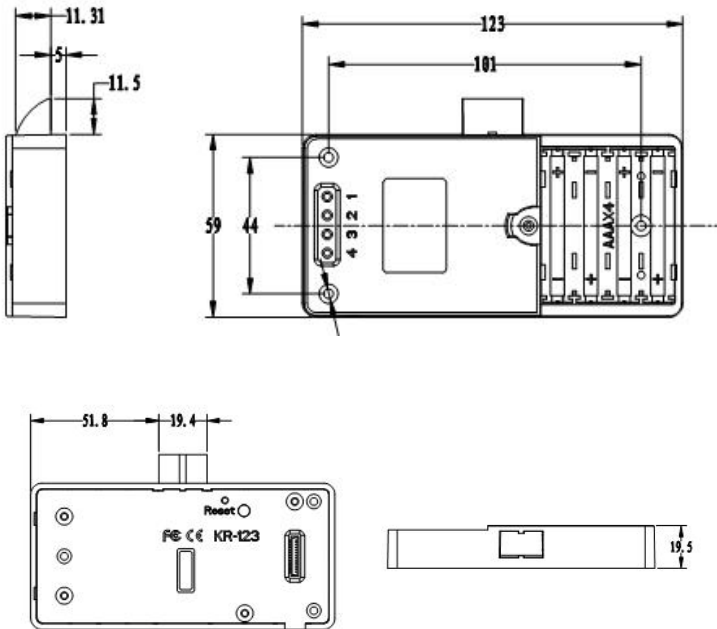
Lock body
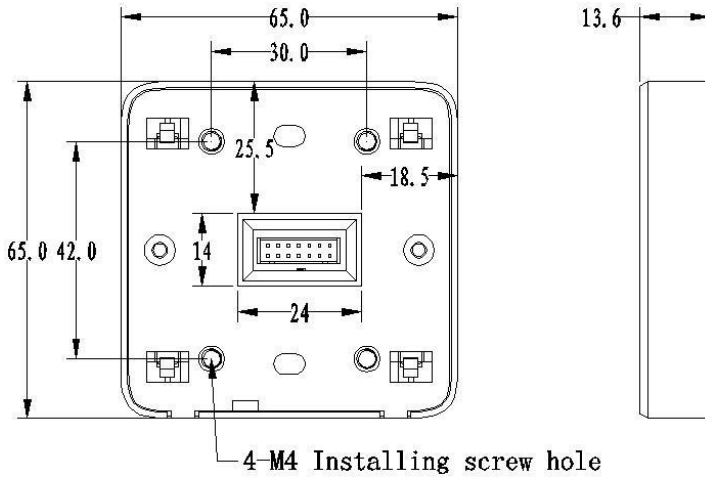
Front Panel
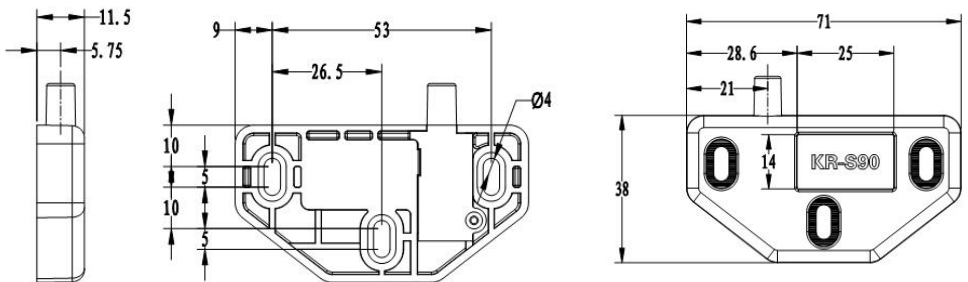
Lock Hook

4. Product Functions

4.1 Parameters

Material	ABS for lock body, Acrylic & PC for panel
Power consumption	Load current <210mA
	Locked rotor current <600mA
	Standby current <20mA
	Static current <30uA
Working voltage	DC6V(4*AAA 1.5V)
	Batteries can standby for around 1 year
Working environment	Working temperature -20℃ ~ +65℃
	Working humidity 10% ~ 90%RH
Anti-static	Air static 15KV
	Touch static 8KV
Unlocking times	New batteries: >19,000 times(continuously)
	Batteries in low voltage: >1,000 times(continuously)

4.2 Functions & Features

Functions	Features
Sound prompt	Lock will prompt with sound when press keys, input correct/wrong code, battery is in low voltage
Light prompt	Green: correct operation Red: wrong operation Blue: low voltage White or light blue: standby status

Alarm functions	**Low voltage alarm:** 1.When battery's voltage is lower than 4.5V, light will shine in blue and lock sounds "di di" for 8 times on every opening to remind user changing new batteries. 2. When voltage is less than 4V, lock can't be locked after unlocking until change new batteries. 3. Lock can work normally 1000 times after low voltage warning.
	Locking protection: Input wrong code/card, lock will shine in red twice and prompt with "di di". Wrong for 5 times continuously, lock will be unavailable for 5mins. During unavailable period: 1. Use manager code can make it available. 2. Input user code lock will prompt with "di di di di di" and light shines in red.
Code functions	1. Manager code: For emergency unlock. Under private mode and limited public mode, user code will be invalid after using manager code for emergency unlock. 2. User code: Only be used for unlocking. 3. One time password: If forget user code and manager code, we can offer you an OTP for emergency unlock.
Button functions	Button 3: Change working mode. Button 4: Change key mode (single key mode / double key mode). Reset: Reset the lock.

5.Operations

5.1 Public Mode

5.1.1 Mode introduction

Lock keeps unlocking under public mode, any code(with 4~8 digits) to lock and same code to unlock. Manager code should be programmed first (manager code can be used for emergency unlock).
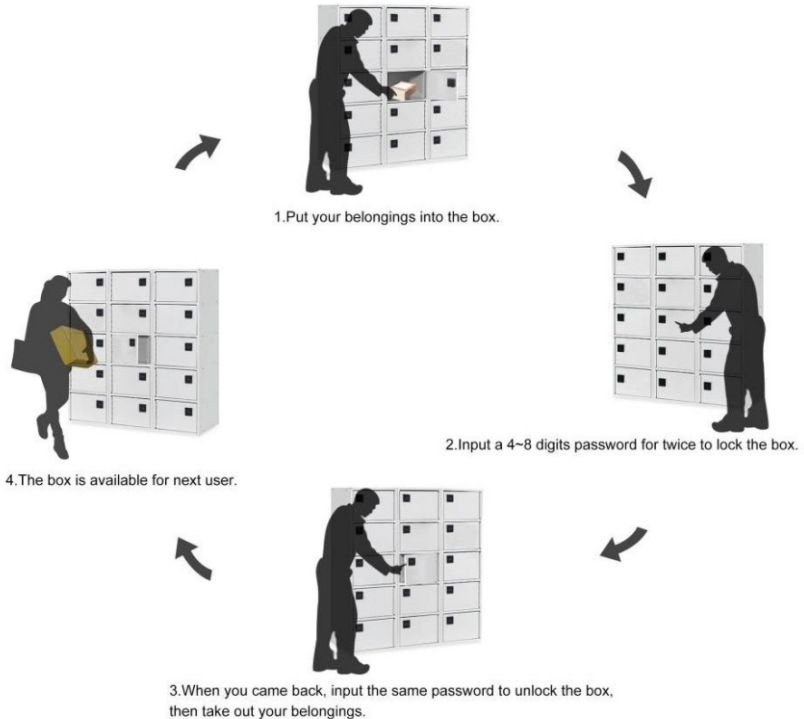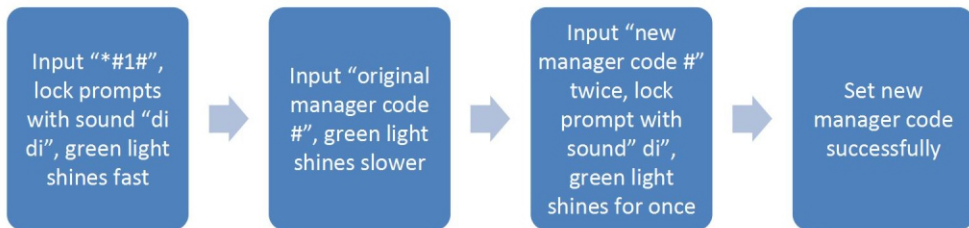
1.Put your belongings into the box.

2.Input a 4~8 digits password for twice to lock the box.

3.When you came back, input the same password to unlock the box, then take out your belongings.

4.The box is available for next user.

5.1.2 Set manager code

Input "*#1#", lock prompts with sound "di di", green light shines fast	→	Input "original manager code #", green light shines slower	→	Input "new manager code #" twice, lock prompt with sound" di", green light shines for once	→	Set new manager code successfully

Notice:
1. Factory manager code is 0000.
2. Valid manager code must be 4~8 digits.
3. One lock only can with one manager code.
4. Manager code can be used for emergency unlock.

5.1.3 Set lock into public mode

Way one:

Pressing button "3" for 2 seconds	→	Lock will prompt with "di" and green light flashes	→	Set into public mode successfully

Way two:

Input "*#2#", lock prompts with sound "di di", green light shines fast	→	Input "manager code #", green light shines slower.	→	Input "0 #", lock prompts sound "di", green light shines for once	→	Set into public mode successfully
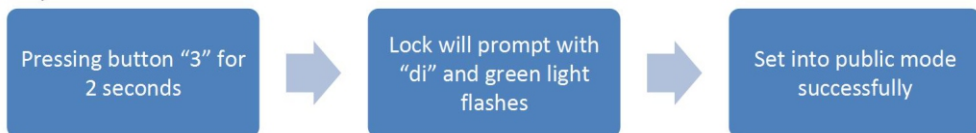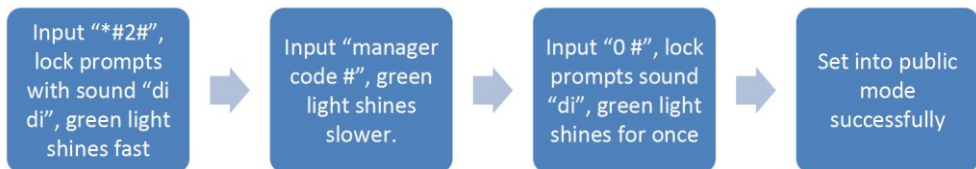
5.1.4 Set user code

※ In public mode, no need to set user code. Input any code(with 4~8 digits) twice can lock, then input same code once to unlock.

※ In public mode, no need to set user card. Input any card can lock, then same card to unlock.

5.1.5 How to use user code
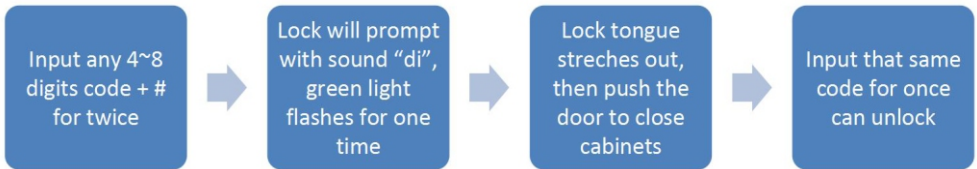
Notice:
1. While green light is flashing, user can set delete card continuously.
   One lock can have max 10pcs delete cards.
2. Swipe the delete card, all user cards will be invalid, then need to set again.
3. If you want to delete one user card at one time, please let us know in advance.

5.2 Private Mode

5.2.1 Mode introduction

Lock keeps locking under private mode, manager code and user code should be programmed first. Input user code to unlock, lock tongue will stretch out automatically after 5 seconds, then push the door can close the box.
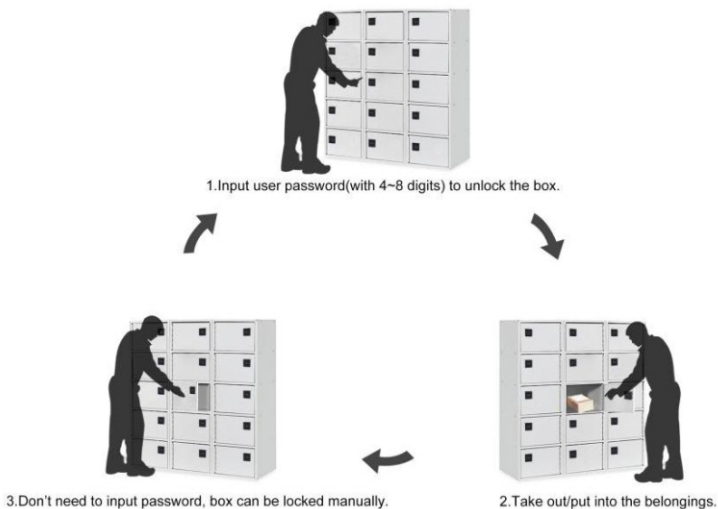
1.Input user password(with 4~8 digits) to unlock the box.

3.Don't need to input password, box can be locked manually.

2.Take out/put into the belongings.

5.2.2 Set manager code

| Input "*#1#", lock prompts with sound "di di", green light shines fast | → | Input "original manager code #", green light shines slower | → | Input "new manager code #" twice, lock prompts with sound" di", green light shines for 1s | → | Set new manager code successfully |

Notice:

1. Factory manager code is 0000.
2. Valid manager code must be 4~8 digits.
3. One lock only can with one manager code.
4. Manager code can be used for emergency unlock, after unlocking, user code will be reset.

5.2.3 Set lock into private mode

Way one:

| Pressing button "3" for 2 seconds | → | Lock will prompt with "di di" and green light flashes | → | Set into private mode successfully |

Way two:

| Input "*#2#", lock prompts with sound "di di", green light shines fast | → | Input "manager code #", green light shines slower. | → | Input "1 #", lock prompts sound "di di", green light shines for twice | → | Set into private mode successfully |

5.2.4 Set user code

Input "*#0#", lock prompt with sound "di di", green light shines fast ➡ Input "original user code #", green light shines slower ➡ Input "new user code #" twice, lock prompts with sound "di", green light shines for 1s ➡ Set new user code successfully

Notice:
1. Factory user code is 1111.
2. Valid user code must be 4~8 digits.
3. One lock only can with one user code.

5.2.5 Set user card

Swipe manager card one time first ➡ Lock will keep flashing in green ➡ Swipe an empty card ➡ Lock will prompt with "di" ➡ Set user card successfully

Notice:
1. While green light is flashing, user can set user card continuously.
   One lock can have max 30pcs user cards.

5.2.6 How to use user code

Input user code + #, lock will be unlocked ➡ Lock tongue will strech out 5s later ➡ Push the door to close cabinets

5.2.7 How to use user card

Input user card, lock will be unlocked ➡ Lock tongue will strech out 5s later ➡ Push the door to close cabinets
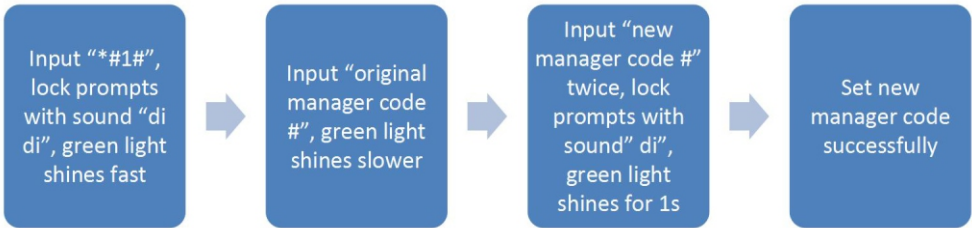
5.3 Limited Public Mode

5.3.1 Mode introduction

Lock keeps locking first under limited public mode, manager code and user code should be programmed first. Input user code to unlock and lock.
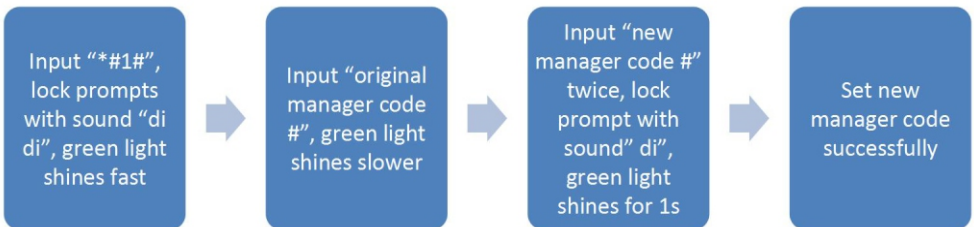
1.Input user password(with 4~8 digits) to unlock the box.

2.Take out the belongings you need.

3.The box will keep unlocking until user inputs password to lock. User can open the box at any time without inputting password.

5.3.2 Set manager code

Input "*#1#", lock prompts with sound "di di", green light shines fast → Input "original manager code #", green light shines slower → Input "new manager code #" twice, lock prompt with sound" di", green light shines for 1s → Set new manager code successfully
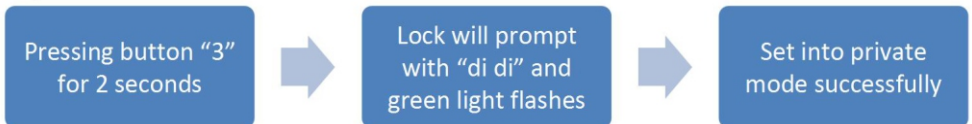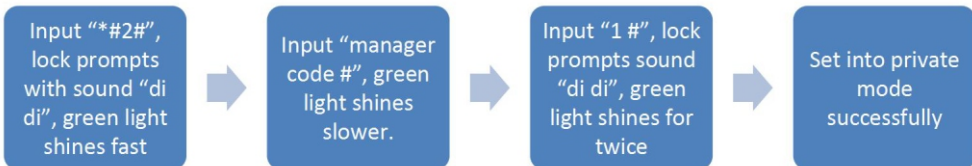
Notice:
1. Factory manager code is 0000.
2. Valid manager code must be 4~8 digits.
3. One lock only can with one manager code.
4. Manager code can be user for emergency unlock, after unlocking, user code will be reset.
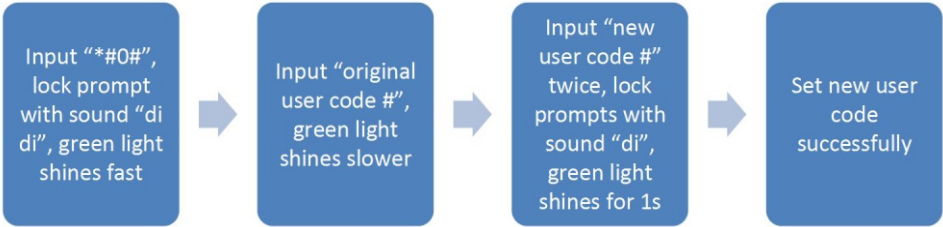
5.3.3 Set lock into limited public mode

Way one:

Pressing button "3" for 2 seconds	→	Lock will prompt with "di di di" and green light flashes	→	Set into limited public mode successfully

Way two:

Input "*#2#", lock prompts with sound "di di", green light shines fast	→	Input "manager code #", green light shines slower.	→	Input "2 #", lock prompts sound "di di di", green light shines for twice	→	Set into limited paublic mode successfully

5.3.4 Set user code

Input "*#0#", lock prompt with sound "di di", green light shines fast	→	Input "original user code #", green light shines slower	→	Input "new user code #" twice, lock prompts with sound "di", green light shines for 1s	→	Set new user code successfully

Notice:
1. Factory user code is 1111.
2. Valid user code must be 4~8 digits.
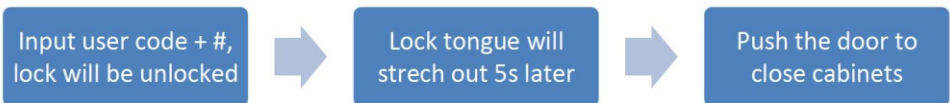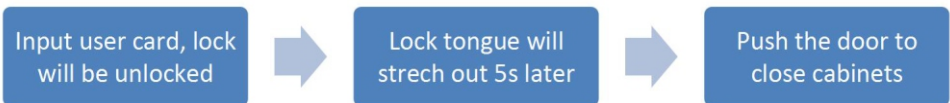3. One lock only can with one user code.

5.3.7 How to use user code

Input user code + #, lock will be unlocked	→	Lock will keep unlocking	→	Input user code + # again, lock tongue streches out	→	Push the door to close cabinets

Notice:
1. While green light is flashing, user can set delete card continuously.
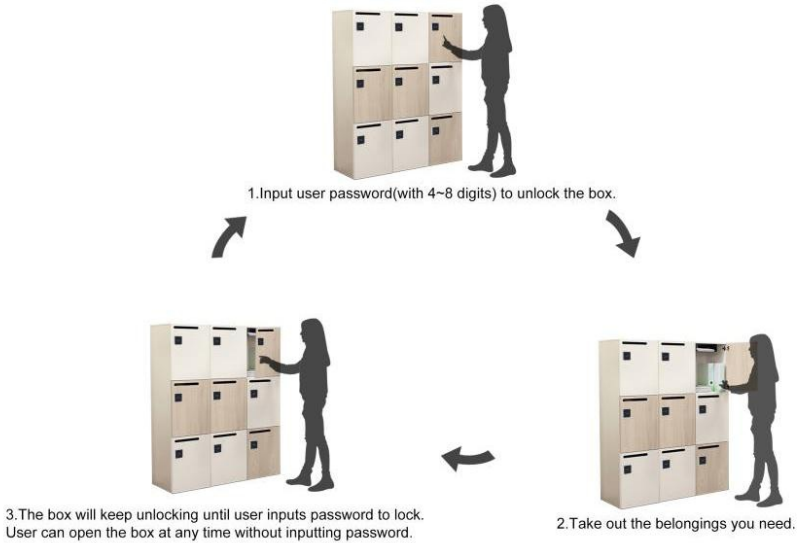   One lock can have max 10pcs delete cards.
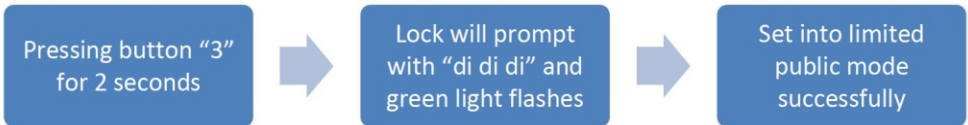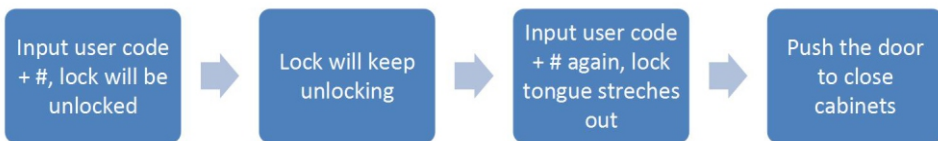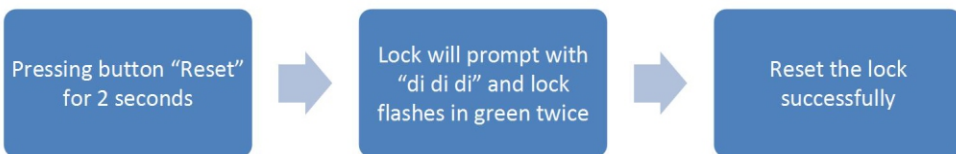2. Swipe the delete card, all user cards will be invalid, then need to set again.
3. If you want to delete one user card at one time, please let us know in advance.

6.Reset lock

Way one:

Pressing button "Reset" for 2 seconds	→	Lock will prompt with "di di di" and lock flashes in green twice	→	Reset the lock successfully

Way two:

Input "*#5#", lock will prompt with sound "di di", green light shines fast	→	Input "manager code #", green light shines slower	→	Input "manager code #" again, lock will prompt with sound " di di di"	→	Reset the lock successfully

Notice:
After resetting, the lock will be factory setting and all codes are invalid, need to set again.

7.Warm Tips

1. Light shines in blue means batteries are nearly run out, please change new batteries in time.
2. One lock can have max one manager code and one user code.
3. Please make sure the lock can work, batteries are included and all are set ready before installation.