



User Manual

(Dermis Fingerprint + Password + Mechanical Key)

Main Features:

- Dermis fingerprint collection technology: RF theory dermis fingerprint collection technology avoid fake fingerprint
- Fingerprint: general unlocking method
- Password: standby unlocking method(for the people whose fingerprint is very bad)
- Mechanical key(standard configuration): emergency unlocking method
- Electronic key(optional configuration): emergency unlocking method,avoid omnipotent key to open the door
- Temporary password: for temporary visitor use to open the door,but it is a one-off
- Messy code input function: prevent others peep stolen unlocking password
- Passage mode: keep the door normally open,do not verify the fingerprint or password
- Equipped with Deadbolt: prevent spring latch from oblique cutting to open the door,more secure
- Slide the cover to electrify: automatically enter sleep state to save power
- Equipped with DC 9V emergency external power interface: supply power temporarily for the lock
- With low voltage auto-alarm function: if under voltage,the lock will auto-alarm
- With back locking switch: turn on the back locking switch,all the unlocking methods can not open the door from outside
- **You can set:**
 1. Fingerprint **x50**, Master password **x1**, Temporary password **x1**
 2. Standard configuration: Mechanical key **x2**
 3. Optional configuration: Electronic key **x2**, Mechanical key **x1**

Technology Specification:

Unlocking method	Fingerprint, Password, Mechanical key
Fingerprint sensor	RF theory dermis fingerprint collection technology
Detection part	dermis
Verification ability	avoid fake fingerprint to open the door
Electronic key(optional)	avoid omnipotent key to open the door
FRR	<0.005%
FAR	<0.00008%
Recognize speed	<1 second
Fingerprint capacity	50
Password capacity	1 master password;1 temporary password
anti-static index	IEC-61000-4-2 standard >15KV
Dynamic power consumption	<300mA
Static power consumption	<30uA
Working temperature	-30 °C ~ 80 °C
Working humidity	0% ~ 98%
Working voltage	6V (4 AA alkaline batteries)
Voltage indication	When the working voltage less than 4.8V
Battery life	>1 year
External power interface	DC 9V

Basic operation:

Button

You can complete the setting and use through the keypad button of the front panel:0123456789,#,*.Besides,when you open the battery cover,will find 2 holes,and "clear"button is inside the right hole,if necessary,you can restore factory settings through this "clear"button.

Resume from sleep

Fingerprint lock always be in sleep state at ordinary times to save power,before you open the door,you need resume it from sleep state to work state,and you can pull the slide cover up,then the fingerprint lock will automatic be charged.

State prompt:

Indicator light

There are 2 indicator lights: **red light** and **blue light**,they are used for state prompt.

Red light: button "7"; **blue light:** button "9"

Red light flash: means please move away your finger

Blue light flash: means please slide your finger on the fingerprint collection

Red light normally on: operation failure

Blue light normally on: operation success

Blue light flash fast: verification success (fingerprint or password)

Prompt tone

Success tone: "di-----",a long sound

Failure tone: "di-di-di",3 short sound

If the lock under voltage,after you verify the fingerprint success,the lock will indicate continuous short alarm,and the red light flash.

Setup of master password:

Factory default setting master password is: "**88888888**",and master password can be 5 ~ 8-digit.

Modification of master password

- Press "7"and press "*"
- Input original master password and press "#"
- Input new master password(5~8-digit),and press "#"
- Input the new password again,and press "#"

If modify success,then with "di-----",a long sound,blue light normally on,and the backlit light go out 6 seconds later.

If modify failure,then with "di-di-di",3 short sound,red light normally on,and the backlit light go out 6 seconds later.

Setup of temporary password:

Temporary password can also open the door ,but just can open the door one time (it is just a one-off),after you use the temporary to open the door,this temporary password will be invalid automatically.

When the master of the house are outside,and he hope the visitor access,then the master can tell the visitor the temporary password to opent the door.and the master can set the temporary password again for next time to use.There is no temporary password under factory default setting state.

Setup of temporary password

- Press “8”,and press “*”
- Input master password,and press “#”
- Input temporary password(6-digit),and press “#”
- Input the temporary password again,and press “#”

If set success,then with “di-----”,a long sound,blue light normally on,and the backlit light go out 6 seconds later.

If set failure,then with “di-di-di”,3 short sound,red light normally on,and the backlit light go out 6 seconds later.

Enrollment of fingerprint:

This fingerprint equipped linear fingerprint reader,when you are inputting the fingerprint,you need slide your finger on the fingerprint reader with correct pose to input the fingerprint.

Enrollment of fingerprint

- Press “9”,and press “*”
- Input master password,and press “#”

If password is wrong,then red light normally on,with “di-di-di”,3 short sound,and the backlit light go out 6 seconds later.

- Input user id,and press “#”

Note: User id is a 3-digit number (range from 001~999),and the user id is unique for each fingerprint.if the user id has not been used,then blue light flash.

- Slide the finger to be enrolled on the fingerprint reader
- When red light flash,move away your finger
- When blue light flash,slide the finger again on the fingerprint reader
- Repeat this sliding finger operation 3~5 times
- If with “di-----”,a long sound,blue light normally on,enroll seccess
- If with “di-di-di”,3 short sound,red light normally on,enroll failure
- Wait for 6 seconds after enroll success,fingerprint lock enter standby sleep state

Deletion of single fingerprint:**1.delete fingerprint through user id:**

- Press “5”,and press “*”
- Press master password,and press “#”

- Input the user id (001~999) to be deleted, and press “#”
- If success, then with “di-----”, a long sound, blue light normally on
- If failure, then with “di-di-di”, 3 short sound, red light normally on

2. delete fingerprint through user fingerprint:

- Press “5”, and press “*”
- Input master password, and press “#”
- Press “#”, then slide the finger to be deleted on the fingerprint reader
- If success, then with “di-----”, a long sound, blue light normally on
- If failure, then with “di-di-di”, 3 short sound, red light normally on

Deletion of all fingerprints:

- press “6”, and press “*”
- press master password, and press “#”
- If success, then with “di-----”, a long sound, blue light normally on
- If failure, then with “di-di-di”, 3 short sound, red light normally on

Initialization of the door lock:

Open the battery cover, press and hold the “clear” button 5 seconds not to release, after the red light and blue light flash fast and with a short prompt tone, then release the button, and after you release the button, you can hear a long prompt tone, initialize success, all the fingerprints and temporary password have been cleared, master password return to factory default setting value: “88888888”.

Open the door by password:

1. open the door by master password:

Input correct master password, and press “#”, with “di-----”, a long sound, blue light flash fast, means you have inputted the correct password, then within 3 seconds, you can turn the handle to open the door. If you input a wrong master password, with “di-di-di”, 3 short sound, red light normally on, after 6 seconds, red light go out. but, when you see this wrong indication, you can input the master password again.

Note: the password supports messy code inputting function, when you input the password, you can increase any number before the original password, for example: the right password is “88888888”, then you can input “12345688888888” to open the door. This function can improve the security, prevent others peep stolen password.

2. open the door by temporary password:

The unlocking method is same to the unlocking method of master password, but temporary password can only open the door one time (it is just a one-off), after you use the temporary to open the door, this temporary password will be invalid automatically. you need set the temporary password again for next time to use.

Open the door by fingerprint:

- pull the slide cover up to resume the lock from sleep state
- Slide the finger with correct pose
- with “di-----”,a long sound,blue light flash fast,means verify success,then within 3 seconds, you can turn the handle to open the door
- with “di-di-di”,3 short sound,red light normally on,means verify failure
- If verify failure,please slide the finger again
- If continuous verify failure 3 times,the lock will enter sleep state,now if you want continue verifying the fingerprint,you have to press “#” or pull the slide cover down and pull the slide cover up again

Equipped deadbolt and back locking switch:

When you are outside or inside the door and have closed the door,you can lift the door handle up to stretch out the deadbolt,more secure. And when you are inside the door,and turn on the back locking switch,then the lock will be back locking state,and under this state,all the unlocking methods can not open the door from outside.

Open the door by mechanical key:

- Take off the lock head cover by plastic sucker
- Insert the mechanical key into the key hole and roll the key to end,then you can turn the handle to open the door

Open the door by electronic key:

Electronic key is a optional function,if your lock have this function,please check this chapter.electronic key function is a independent system,it including electronic cylinder,electronic key and control circuit,and importantly, it is separated from fingerprint lock system,

Electronic key has been enrolled on the fingerprint lock system, it is used for avoiding omnipotent key to open the door,its unlocking method is same to mechanical key, the particular difference between mechanical key and electronic key is: when the fingerprint lock system be charged normally, only electronic key has been enrolled on the fingerprint lock system can open the door,and mechanical key can not open the door on this occasion.

Passage mode:**1.Setup of passage mode**

- Press “0”,and press “*”
- Input master password,and press “#”
- If success,then with “di-----”,a long sound,blue light normally on
- If failure,then with “di-di-di”,3 short sound,red light normally on

2.Cancellation of passage mode

- Press “0”,and press “*”
- Input master password,and press “#”
- If success,then with “di-----”,a long sound,blue light normally on
- If failure,then with “di-di-di”,3 short sound,red light normally on

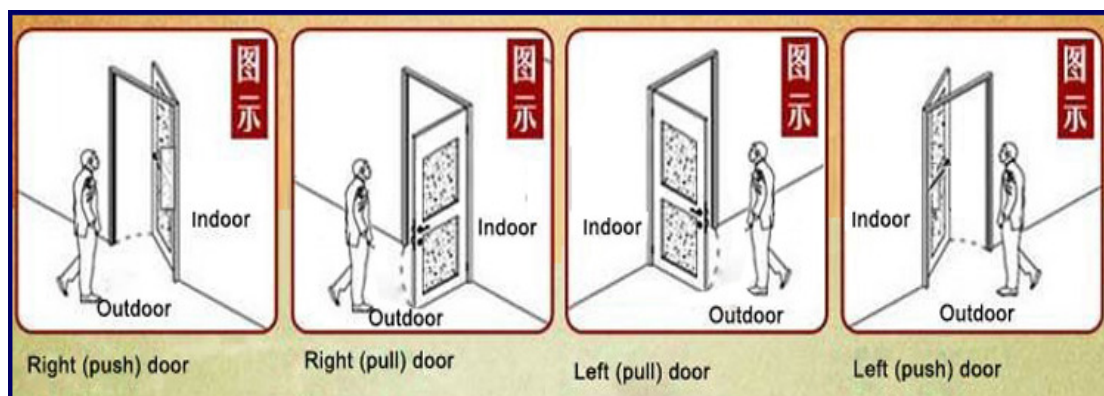
Note: When the lock under passage mode,and if out of power,the passage mode will cancel automatically

Power supply:

This door lock powered by 1 group 4 AA batteries,the lock equipped with 2 groups 4 AA batteries position,and equipped with DC 9V emergency external power interface,when the battery can not supply power normally,you can use DC 9V external power to supply power temporarily。

Opening the door direction:

Before purchasing the product,please confirm opening the door direction :



Structure drawing:

