

## USER MANUAL



## L-F500

Fingerprint  
unlockingPassword  
unlockVirtual  
password

Key unlock

Magnetic  
card unlockCombination  
unlockTemporary  
fingerprintsBluetooth  
unlock

## Catalogue

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## Features

## (1) Ultra-thin minimalist design

One-piece molding, anti-violence, design with engineering handle: handle ring design, feel comfortable, better grip;

## (2) Semiconductor live fingerprint sensing, bank-level security

Equipped with a new generation of large round surface semiconductor hard core fingerprint sensor, which improves recognition speed and accuracy;

## (3) Powerful, long-lasting battery life

4 AA batteries last longer 8000H, lower power consumption/Automatic sleep / long battery life / fast replacement;

## (4) Low battery reminder

The alarm indicates that the battery is too low, reminding the user to replace the battery in time;

## (5) Anti-peeping password

6 real passwords + 12 virtual passwords, refusing voyeurism from the root cause;

## (6) APP management, sharing keys, safe and powerful

Support administrators to add, delete, modify keys and share key permissions;

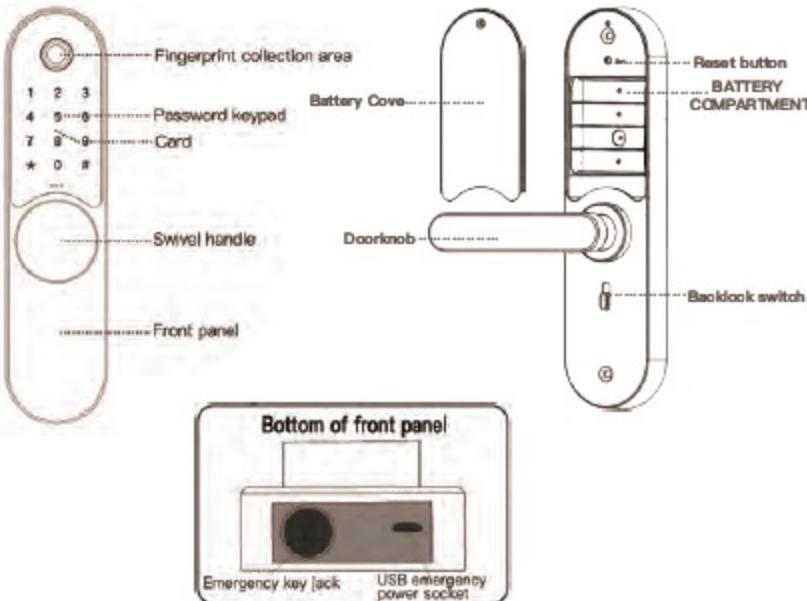
## (7) Multiple unlocking methods

Supports fingerprint, password, Bluetooth, key and magnetic card unlocking methods

## Box list

1.Key *2	2.Magnetic card *2
3.Square rod *1	4.Lock column *2
5.Front panel lock body *1	6.Rear panel lock body *1
7.Single lock tongue lock *1	8.Lock core clasp plate*1
9.Fixed door plate screws *4	10.Fix the rear panel screws*4
11.Fixed battery cover screw *2	12.Instruction manual*1 (使用说明书*1)

## Product description



## Use of door lock

## (1) Modify the management password (the default password 123456 when there is no administrator)

User input \*12#original password#new password#new password#Modify the management password. In this process, after entering \*12#, the prompt "Please enter the original password", the user enters the password and presses the # key, if the original password Error, prompt "Password error", otherwise prompt "Please enter new password", after the user enters the new password, prompt "Please enter the same password again", after the user enters the same new password again, if the modification is successful, it prompts "Operation succeeded". Otherwise, the message "Operation failed"

## (2) Add unlock password / IC card / fingerprint

After the user enters \*85#, the prompt "Please enter the administrator password", the user enters the administrator password # and after the verification is successful, the prompt "Please enter the fingerprint or password", otherwise the message "Operation failed":

## A.Add an unlock password

After the administrator authentication succeeds, the user enters the password and presses the # key, prompting "Please enter the same password again", the user enters the same password, and successfully adds the password, prompting "Enter Successful", otherwise prompting "Operation failed"

## B.Add an IC card

After the administrator's authentication succeeds, after the user swipes the card and recognizes it, the prompt "Enter Successful"

## C.Add fingerprint

After the administrator's authentication succeeds, after the user presses the finger and recognizes it, the prompt "Please press the finger again", after the identification and processing is successful, the prompt "Enter Successful" is prompted, otherwise the operation "Failed"

### (3) Password unlocking

The user enters the correct opening password and presses the # key. If the password is successfully verified, the prompt "unlocked" is displayed. If the password has expired, the "Invalid password" is displayed. If the wrong password is entered multiple times in succession, the system prompts "Illegal operation, the system Locked", otherwise the prompt "Operation failed"

**Note: If the password entered during the password entry process is incorrect, you can press the \* button to delete the previously entered one.)**

### (4) Fingerprint unlocking

After the user puts his finger on, he hears "drip", the door lock starts to recognize the fingerprint. If the fingerprint is not recognized, the prompt "operation failed". If the fingerprint is correctly recognized and the fingerprint is within the validity period, the prompt "locked" is displayed, if the fingerprint has expired or is not valid, prompt "invalid fingerprint".

### (5) IC card unlocking

After the user swipes the card, if the IC card is recognized and is in the validity period, it prompts "unlocked". If it has expired or is not valid, it prompts "invalid card". If the IC card does not exist, it prompts "operation failed".

### (6) Delete all IC cards

The user inputs \*69#+administrator password+ to delete all IC cards. In this process, after the user inputs "\*69#", the prompt "Please enter the administrator password", the user enters the administrator password + and the verification succeeds. After the prompt "Operation succeeded", otherwise prompted "Operation failed"

### (7) Delete all fingerprints

The user inputs "0#+administrator password+", delete all fingerprints. In this process, after the user inputs "\*70#", the prompt "Please enter the administrator password", the user enters the administrator password + and the verification succeeds. Prompt "Operation succeeded", otherwise it prompts "Operation failed"

### (8) Delete all unlocked passwords

The user inputs \*71#+administrator password+ to delete all the added passwords, including the password generated by the app (the administrator password will not be deleted). In the process, after the user inputs \*71#, the prompt "Please enter "Administrator password", the user enters the administrator password + # and after the verification is successful, the prompt "operation is successful", otherwise the prompt "operation failed"

### (9) Locked

This door lock will automatically close the lock 5 seconds after unlocking. After the lock is closed, it will prompt "locked".

### (10) Modify the user unlock password

User input \*10#+original password+new password+new password+ change password. In this process, after entering \*10#, prompt "Please enter the original password", the user enters the password and presses the # key. If the original password is wrong, it will prompt "Pass-

word error", otherwise it will prompt "Please enter new password". After the user enters the new password, the prompt "Please enter the same password again". After the user enters the same new password again, if the modification is successful, the prompt "The operation succeeded, otherwise the prompt "Operation failed"

### (11) Low battery reminder

When the power is low, the user touches the button to wake up the door lock, and the message "The battery is low, please replace the battery", and the screen backlight flashes rapidly for 1 second.

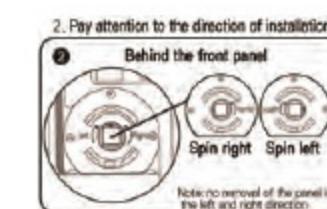
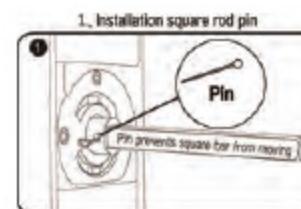
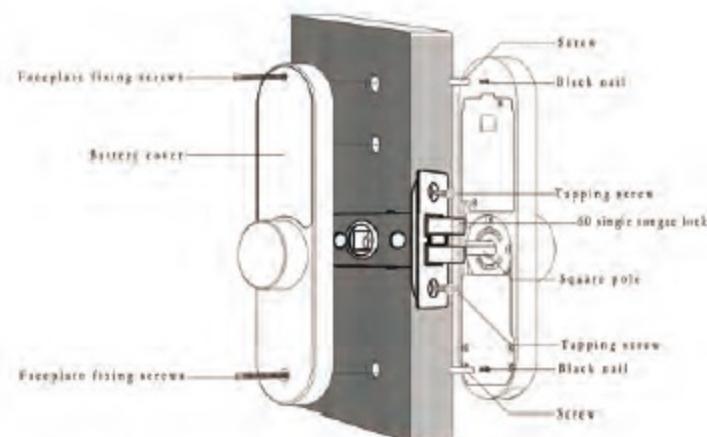
### (12) keyboard lock

When the number of times the user enters the password is 5 times, the door lock will prompt "Illegal operation, the system is locked", and the password keyboard is locked for 5 minutes. At this time, each time the user presses the keyboard, the backlight will flash once to remind the user that the keyboard is Locked up. During the lock of the keyboard, the IC card, fingerprint, and App can open the door normally, and the password keyboard will be unlocked after the door is opened.

### (13) Add a Bluetooth administrator

The user enters \*83#+administrator password+, and the Bluetooth door lock enters the add administrator mode, waiting for the app to add a door lock. In this process, after the user inputs "\*83#", the prompt "Please enter the administrator password", the user enters the administrator password + # and the verification is successful, prompt "Please add Bluetooth administrator", otherwise the prompt "Operation failed" After the app is successfully added, the prompt "Administrator adds success"

## Door lock installation



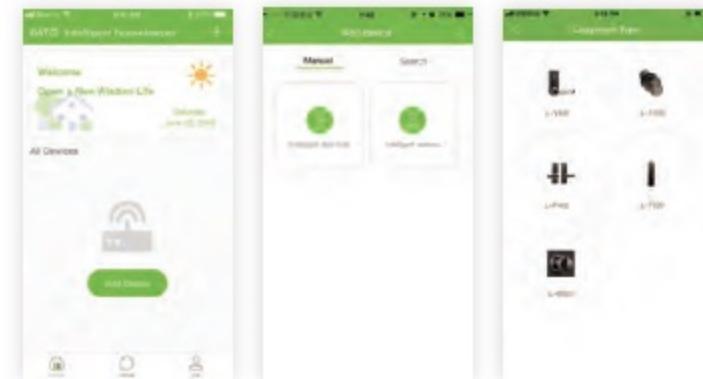
## APP operation guide

### (1) APP download instructions

- Scan the QR code above, you can use Android and IOS system APP download
- Android version software can be downloaded in the Google Play application market center search "Datoal"
- IOS version of the software can be searched in the APPStore application market center "Datoal" to download



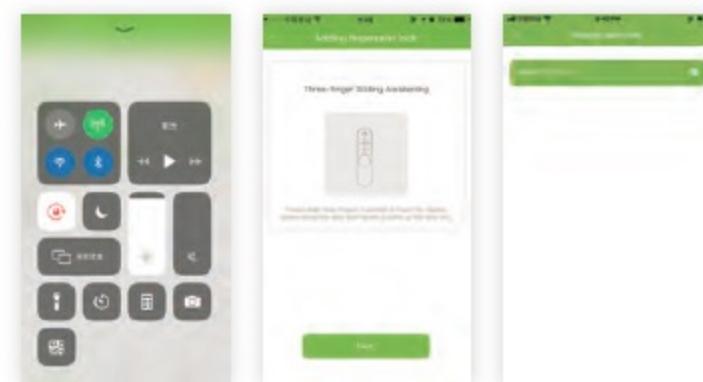
### (2) APP add door lock



①Click the add button "+"

②Select the type of door lock

③Select finger-print lock L-F500



④Turn on Bluetooth

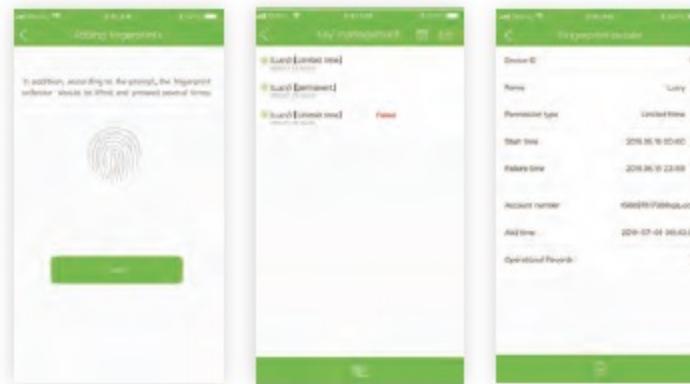
⑤Wake up the touch screen

⑥Select the searched lock



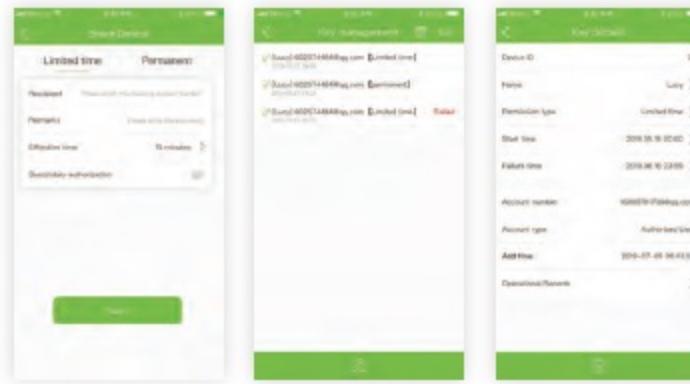
⑦Door lock added successfully

#### (3) Fingerprint management



The fingerprint management here refers to the management of all fingerprints of the door lock. After the administrator successfully adds the lock, he will have the highest management authority of the door lock. He can send fingerprints to others, and can set time limit, single time and permanent. Three types of fingerprint permissions. The administrator can manage all the fingerprints authorized by the administrator, including deleting the fingerprint, modifying the effective time of the fingerprint, and viewing the unlocking record of the fingerprint.

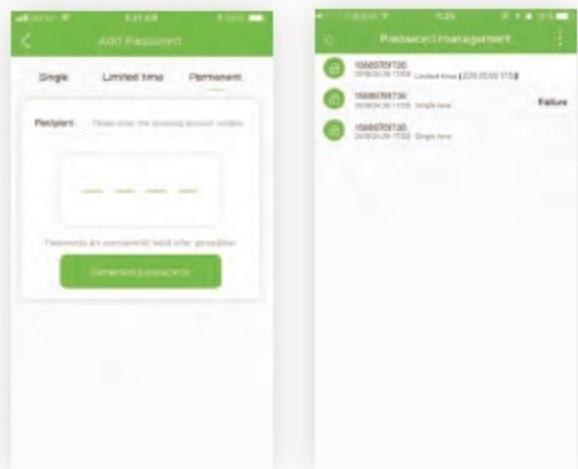
#### (4) Key management



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The key management here refers to all the Bluetooth key management of the door lock. After the administrator successfully adds the lock, he will have the highest management authority of the lock. He can send keys to others, set time limit and permanent, two types. Bluetooth key permissions. You can enter the recipient email account or mobile phone number shared door lock of the registered APP, and the recipient's APP interface automatically adds the lock and permissions. Administrators can manage all the keys they send out, including deleting keys, sending keys, modifying key validity times, and viewing unlocked records for shared keys.

#### (5) Password management



Here password management refers to the digital password management of the door lock. After the administrator successfully adds the lock, he will have the highest management authority of the door lock. He can send passwords to others, and can set time limit, single time and permanent. Three types of password permissions. Enter the recipient email account number or mobile phone number of the registered APP to share the lock, and the recipient's APP interface automatically adds the lock and permissions. Administrators can manage all passwords sent by themselves, including deleting passwords, sending passwords, changing password expiration dates, deactivating passwords, and viewing password unlocking records.

#### (6) Add Bluetooth Administrator

The administrator's door lock is not added. When the backlight is off, the user touches the numeric keypad to wake up the door lock. After hearing the voice prompt "Please add Bluetooth administrator", then open the mobile phone bluetooth and operate the door lock adding process on the APP to obtain Bluetooth administrator privileges. After the addition is successful, you will hear the voice prompt "Administrator has been successfully added."

#### (7) APP delete Bluetooth administrator

A. The user is running the APP near the door lock. Click the "More" button in the upper right corner of the added door lock on the home page. After entering the door lock setting page, click the function of restoring factory settings or "delete device". Remove Bluetooth administrator privileges.

B. The user presses the "set" button above the battery compartment on the rear panel of the door lock. After hearing "Please enter the initialization password", enter "0000" and press the # key to end, you can delete the Bluetooth administrator authority.

#### (8) APP add fingerprint

After selecting the "Fingerprint Management" function on the App door lock function page, click "+" to enter the fingerprint addition status. According to the door lock prompt "Please press the finger", after the user presses the finger and recognizes it, the prompt "Please press the finger again" After the identification and processing is successful, the prompt "Enter Successful", otherwise the message "Operation failed"

## Door lock technical parameters

Technical parameters		
NO	Project	Parameter
1	Static electrohydraulic	≤50uA
2	IDDT	≤180mA
3	Number of Administrators	10 group
4	Number of fingerprints	110 (optional 300)
5	Fingerprint + Password + Card Capacity	300 group
6	Fingerprint Collector	Semiconductor
7	Fingerprint contrast time	≤1s
8	Fingerprint Identification Angle	360 degrees
9	False Reject Rate	≤0.1%
10	False rate	≤0.0001%
11	Induction time	≤0.5s
12	power type	4AA batteries
13	Emergency power supply	5VDC
14	operation temperature	-25°C-60°C
15	relative humidity	20%-90RH
16	Human Language	Yes
17	keyboard	Touch Standard 12-bit Keyboard
18	Password Length	6-8 bit
19	Virtual password	16 place
20	Low Voltage Alarm Voltage	4.8±0.2V
21	Unlocking time	≤1s

#### FCC WARNING STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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