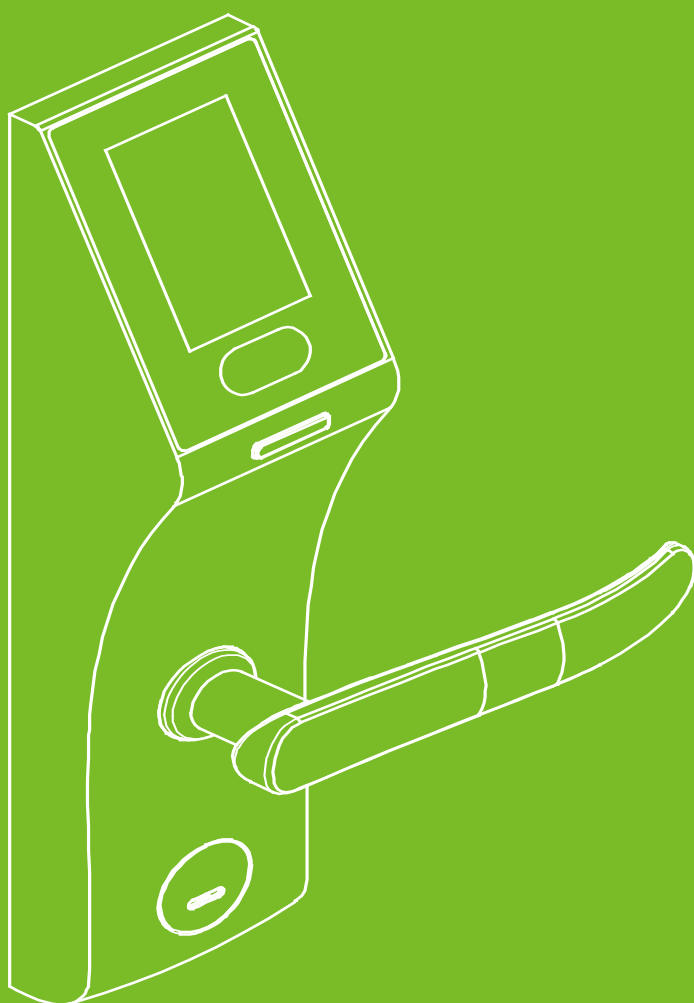# USER MANUAL

FL1000

Version: 1.0

Date: Oct. 2018

Important Statement

Firstly thank you for purchasing this terminal, before use, please read this manual carefully to avoid the unnecessary damage! The company reminds you that the proper user will improve the use affect and authentication speed.
No written consent, any unit or individual isn't allowed to excerpt, copy the content of this manual in part or in full, also spread in any form.

The product described in the manual maybe includes the software which copyrights are shared by the licensors. Except for the permission of the relevant holder, any person can't copy, distribute, revise, modify, extract, decompile, disassemble, decrypt, reverse engineering, leasing, transfer, sub-license the software, other acts of copyright infringement, but the limitations applied to the law is excluded.

Contents

Chapter 1: Safety Instruction

1.1   Installation Environment

➢ This lock is used to be placed in the indoor environment, which luminance is in the range of 50-800 Lux.

➢ This lock is used to work under normal light environment. The accuracy and speed of face recognition will decrease if used under strong sunshine light, or strong lamplight.

➢ Do not expose to sunlight, please draw curtains to block out sunlight.

➢ Please make sure that the lighting condition is the same for both registering face template and opening door by face recognition. Otherwise, the recognition performance will be affected.
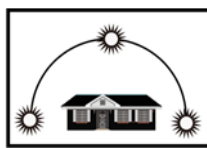
| 10Lux | higher than 1200 Lux | 50-800 Lux |

1.2   Position and Gesture
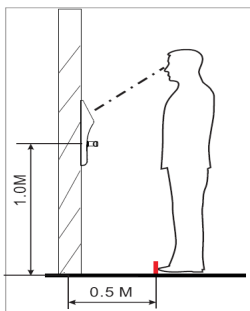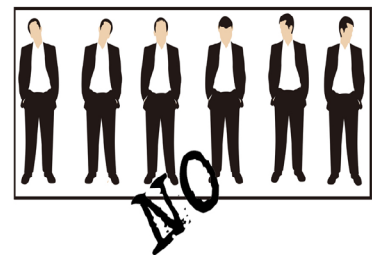

Assuming the average user height is 5-6 feet tall (1.55m-1.85m), then it is about 3.3 feet (1 meter) high from the ground to lock handle. For the average user height is over 5.4 feet (1.65 m), and then the installation height is 3.6 feet (1.1m).

1.3   Facial Expression

1.4   Eye Position

During registration, you should move back and forth to adjust the position of your eyes.
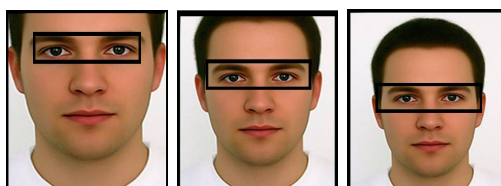
1.5　Method for Using the Touch Screen

Click the screen with your finger pulp and keep the screen clean during use.

Chapter 2: Product Description

2.1　Packing List

➢ Basic Contents
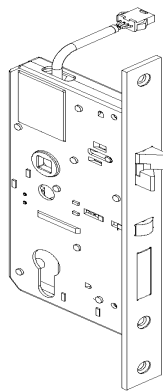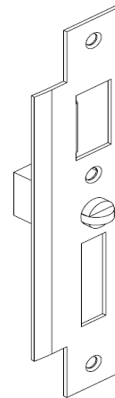
| Outdoor Unit | Indoor Unit | Mortise | Strike Plate | Cylinder |
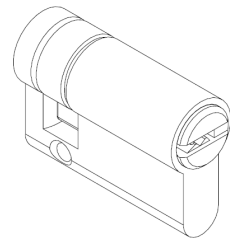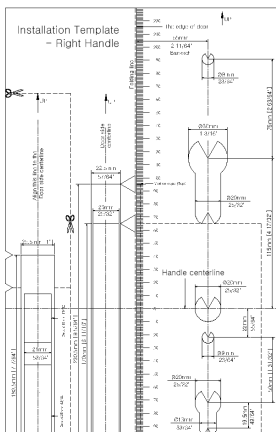
Installation Template　　　　　　User Manual　　　　　　　　Installation Instruction

Emergency Keys	USB Cable	Screws Bag
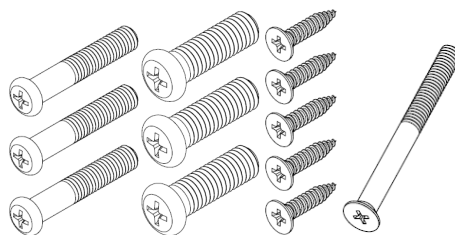
➤ Optional Contents
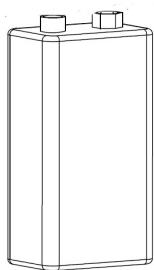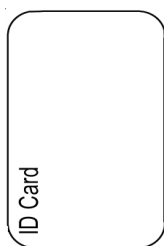
Emergency Power Supply	I D Card	Remote Controller

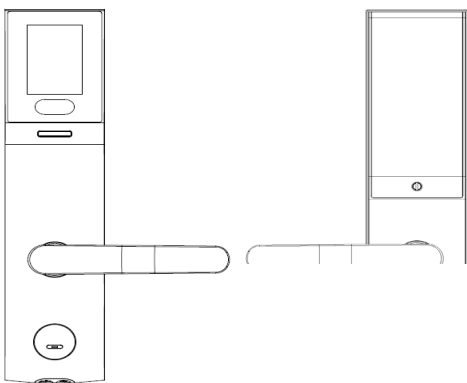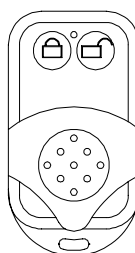## 2.2 Appearance Introduction

Infrared Light

Touch Screen

Camera

Power Button

Key Cap

Emergency Power Connector

Reset

Outdoor Unit

Battery Box

Set Button - optional
Led indicator -optional

USB Port

Band Switch

Indoor Unit

2.3 Icon Instruction

Screen Locked	Screen Unlocked	Battery Power	USB Status	Lock Opened

Verify Success	Verify Failed	Enable Normal Open?	Normal Open is ON	Lock Closed
Menu Button	Password Button	Backspace Button	Show your Card	Data transacting

Chapter 3: Lock Menu

3.1   Enter the Main Menu

➢ When no administrator is registered in the device, enter the **Main Menu** as displayed in the following flow chart:

| Click **Power Button** | Enter **Face Verification** screen automatically
Click the screen to return to the main screen. | Click **Menu** Button | Enter **Main Menu** |
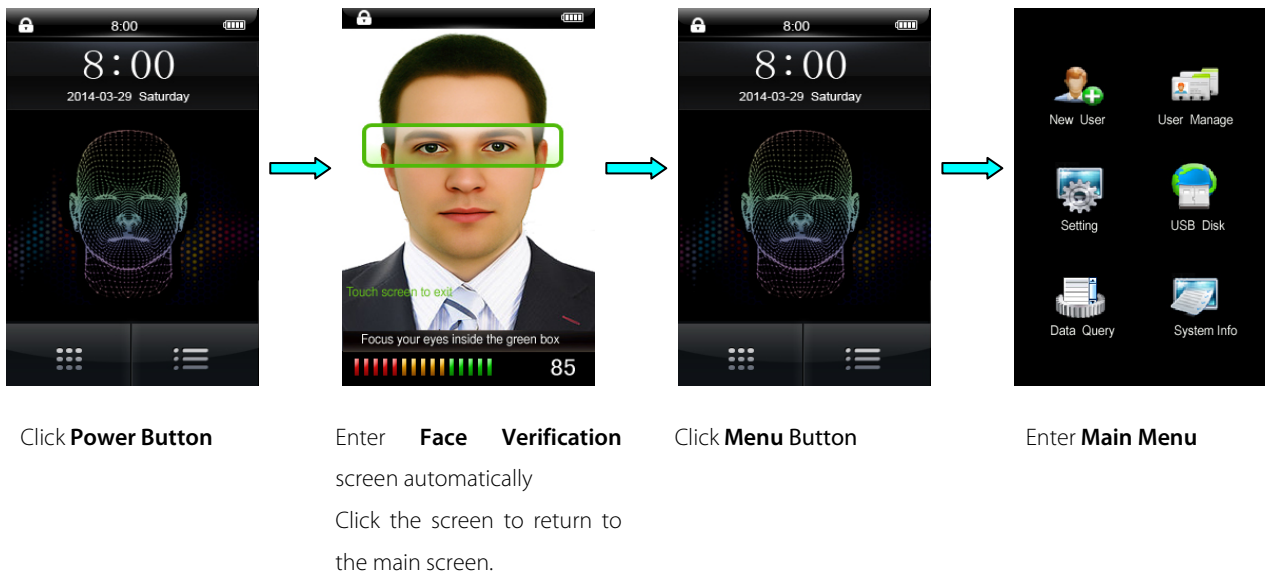
➢ When an administrator is registered in the device, access the **Main Menu** to perform verification as shown in the following flow chart:
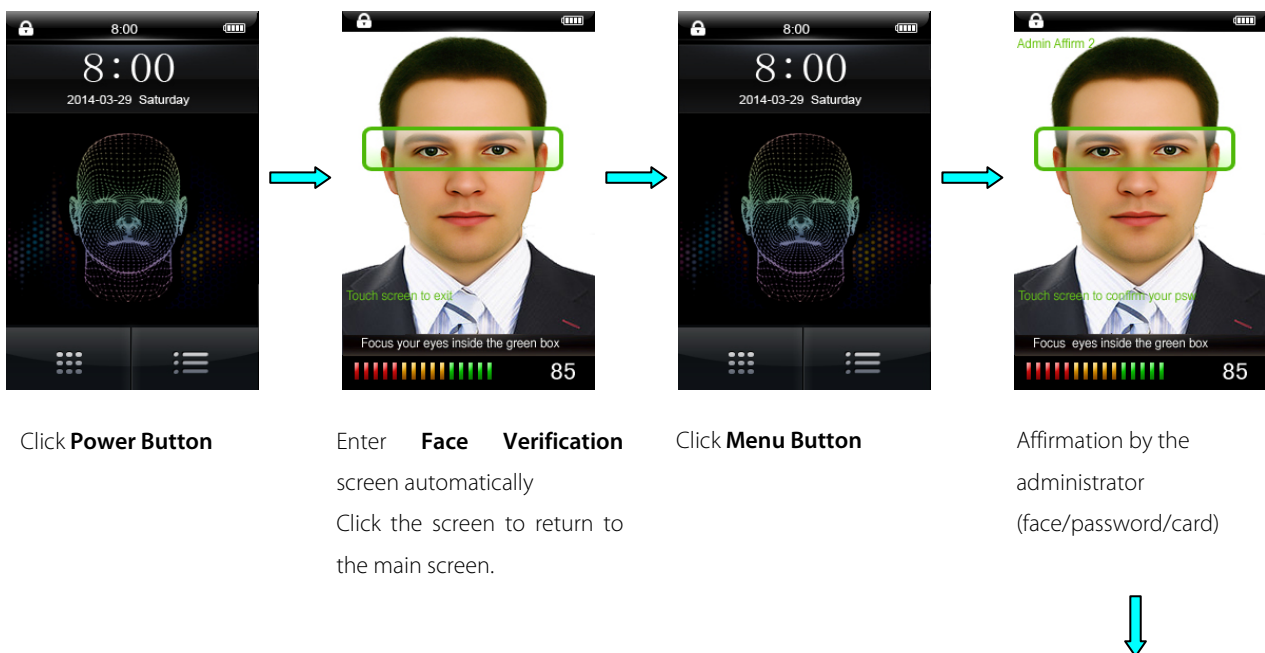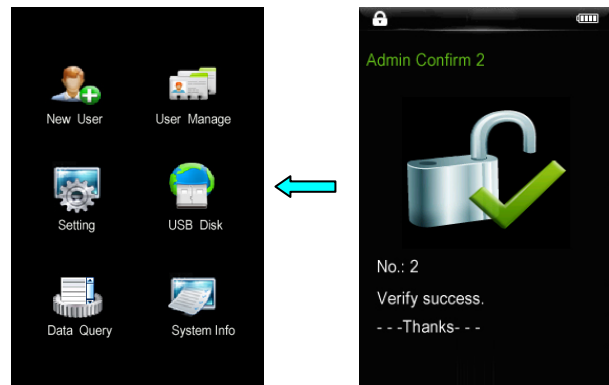
| Click **Power Button** | Enter **Face Verification** screen automatically
Click the screen to return to the main screen. | Click **Menu Button** | Affirmation by the administrator (face/password/card) |

Enter the **Main Menu**   Verify Success

automatically

3.2   Enroll User

No.	New user No. supports the 1-65535 by default, and the number cannot be modified once enrollment is finished.	
User Role The User Role can be the Normal user (default), Administrator and Supervisor.	Normal User	Open the lock only by code matching.
	Administrator	Unable to register the supervisor. Unable to modify the rights of the supervisor. Unable to perform data query. Unable to access the **Advanced Option.** Unable to upload the user data and perform firmware update.
	Supervisor	All operations are available.

【Notice】
- ✧   The first registered user must be the supervisor, and when the first user is registered as an administrator or a normal user, click **Save** and the system displays a prompt: **For safety, supervisor is first. Will you agree to change?** Click **OK** to set the first user to Supervisor**.**
- ✧   When registration is completed, the number cannot be changed;

✧ When mode 2 is enabled and only one verification method is registered, if you click **Save**, the system displays a prompt: **Two verifications must be registered. Like Face + Pwd.** Refer to the Verify Mode (Main Menu > Setting > Lock Setting) described below for detailed verification modes.

➢ **Enroll Face** （**Main Menu > New User > Enroll Face**）

| Focus eyes inside the green box | Enroll Success | Click **Save** or continue other enrollment |
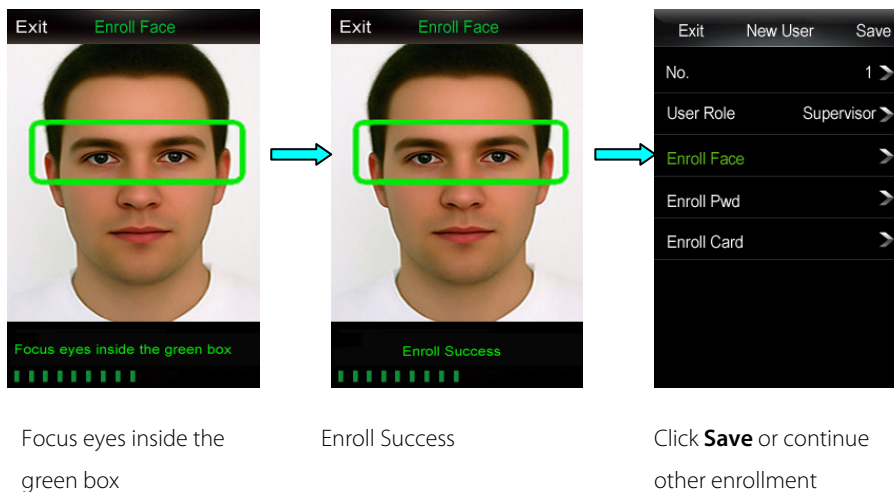
【Notice】 The enrolled verification mode is displayed in green as shown in the above figure **Enroll Face**.

➢ **Enroll Password (Main Menu > New User > Enroll Pwd)**

| Input Password, Click **OK** | Input the password again for confirmation | Click **Save** or continue other enrollment |
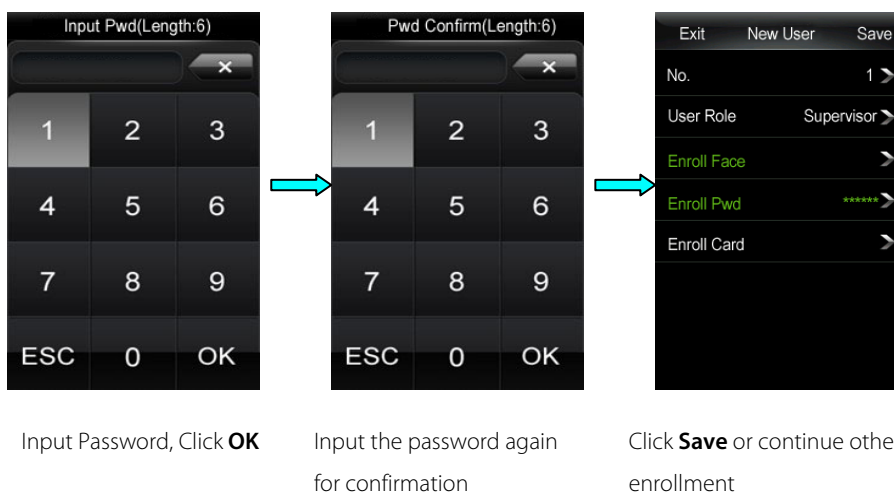
【Notice】
✧ The password length must be 6 digits in length. If the password length is shorter than 6 digits, a prompt **Length Error** is displayed; if the password length is longer than 6 digits, a prompt **Input Error** is displayed**.**
✧ The passwords of different users cannot be the same, otherwise a prompt **Duplicate PWD** is displayed.
✧ If both input passwords are inconsistent with each other, the system displays a prompt **Inconsistent Pwd**.
✧ When the wrong password is input, click **Backspace Button** to delete the password.

➢ **Enroll Card** (**Main Menu > New User > Enroll Card**)
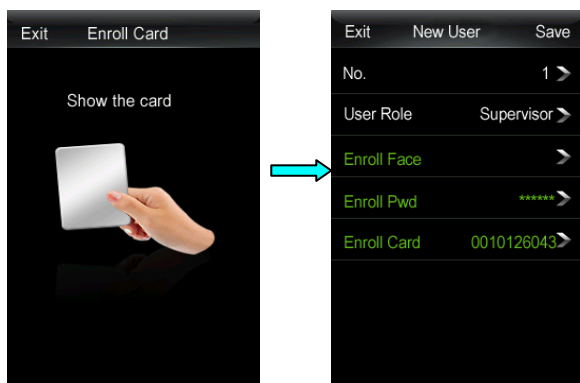
Swipe the ID card over
the camera

After a beep sound, when
the screen automatically
returns to **New User** screen,
click **Save**.

【Notice】
✧ If the card has been enrolled, the system displays a prompt: **Enrolled Card**.
✧ After enrollment has been completed, click **Save** to save the enrolled user.

3.3　　User Manage

Modify	Modify the information of an enrolled user.
Delete	Delete a user.

【Notice】
✧ The "*" preceding the number indicates that the user is a supervisor, "#" indicates a administrator, and a single number without any marks indicates a normal user;
✧ The letter behind the number indicates the enrolled verification method of the user: P stands for Password, F stands for Face, and ID stands for the card.
✧ If the user is not in the current list, click the black up/down triangle in the right to perform query.

➢ **Modify User (Main Menu > User Manage)**
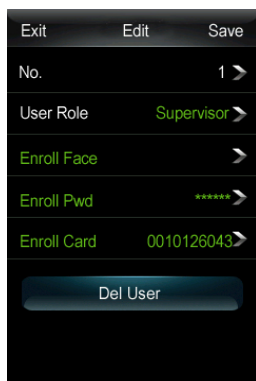
Exit　　　Edit　　　Save No.　　　　　　　　1 › User Role　　Supervisor › Enroll Face　　　　　　 › Enroll Pwd　　　 ****** › Enroll Card　　0010126043 › Del User	1. Click the user to be modified and enter the **Edit** screen. 2. Click **User Role** and modify the rights of the user; 　　Click **Enroll Face** and re-enroll the user face; 　　Click **Enroll Password** and re-enroll the user password; 　　Click **Enroll Card**, and re-enroll the user card. Refer to the **New User** for the enrollment process. When the modification is finished, click **Save** to save the modification. 【Notice】 ✧　　The number cannot be modified.

➢ **Delete User (Main Menu > User Manage)**

Please think twice before deleting the user data!
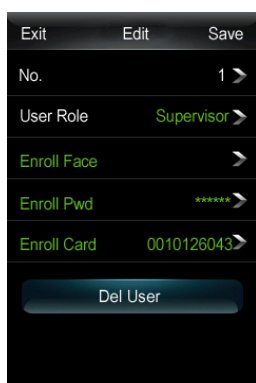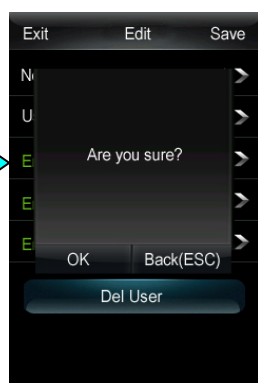
Click **Del User**	Click **OK**	Deletion is completed successfully; click **OK**	The deleted user is not in the list

3.4　　Date/Time **(**Main Menu > Setting**)**
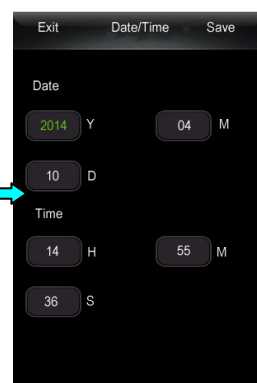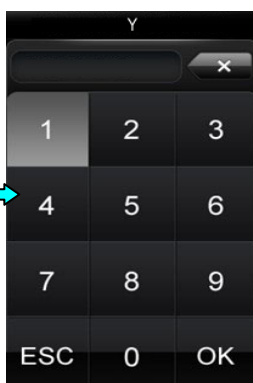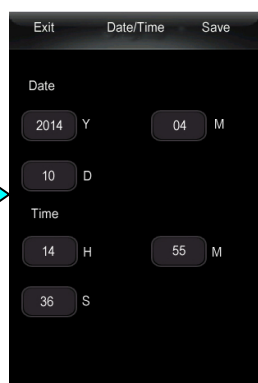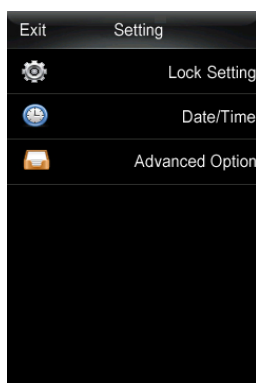
Click **Date/Time**	Click the input box	Input the value and click **OK**	Input is completed successfully and the value turns green

【Notice】
✧ Date setting: Y-Year, M-Month, D-Date; Time setting: H-Hour, M-Minute, S-Second.
✧ The administrator can set the system date and time on the **Main Menu** screen.

3.5   USB Disk

Download Log	Download all the unlocking logs.
Download User	Download all the user data including ID number, face template/password/card number.
Upload User	Upload all the user data including ID number, face template/password/card number.
Update Firmware	Update specific firmware and be careful with the function.

【Notice】
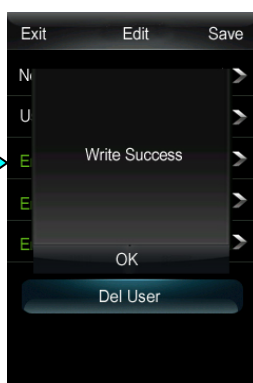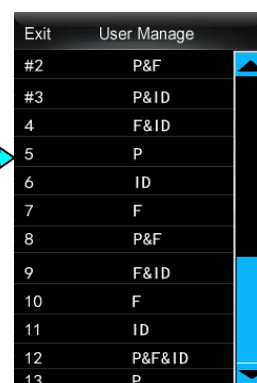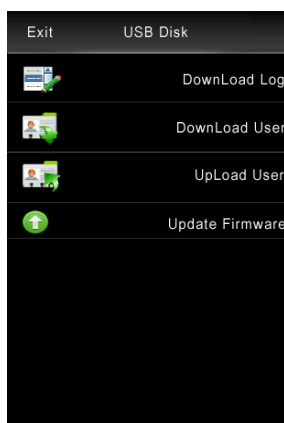✧ Please properly insert the USB disk when performing the above operations and use the USB cable provided by us.
✧ If the USB disk is not inserted or is inserted improperly, when you click **Download Log**, the system displays a prompt: **No USB Disk detected**.
✧ The operations of **Upload User** and **Update Firmware** are only available to the supervisor**.**

➢ **Download Log (Main Menu >USB Disk > Download Log)**

Click **Download Log** to download the unlocking logs. When the downloading finishes successfully, a folder

 1_UData appears in the USB disk.

➢ **Download/ Upload User (Main Menu >USB Disk > Download/Upload User)**

The operations for **Download User** are the same as those of the **Download Log,** and when the downloading

finishes successfully, a folder 1_UData also appears in the USB disk.

The operations for **Upload User** are the same as those of the **Download Log.** Before uploading, please check if there are corresponding user data files in the USB disk.

➢ **Update Firmware (Main Menu > USB Disk > Update Firmware)**

The operations of **Update Firmware** are the same as those of the **Download Log**. Before updating, please check

whether there is the corresponding update file emfw in the USB disk. Users are generally not recommended.

to perform firmware update. If an update is needed, please perform update under the guidance of the manufacturer.

3.6　Data Query

Log Query	Query the unlocking logs.
Illegal Alarm Query	When Illegal Alarm Query is set, if the illegal verification times exceed the set value, the information of the illegal operator can be queried (photo/time).

【Notice】
✧　1/2 indicates that there are two logs in total and the current one is the first log.
✧　NO stands for the user number.
✧　PWD indicates that the log is identified by password.
✧　At most 6 photos can be stored and the new ones will automatically replace the old ones if there are more than 6 photos for cyclic storage.
✧　The above options are only available to the supervisor.

➢ **Log Query (Main Menu > Data Query > Log Query)**

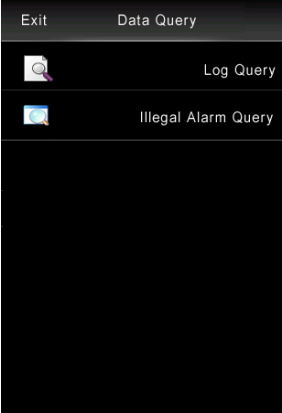| Input the date range or user number	Click **Prev** to view the previous log	When the query is completed, **Data query completed** is displayed

【Notice】
✧　The method for setting the date and user number is the same as the time setting method. Please refer to the Date/Time (Main **Menu > Setting**) for details.
✧　If no user number is input, all logs within the specified date range are displayed.
✧　1/2 indicates that there are two logs in total and the current one is the first log.

➢ **Illegal Alarm Query** (Main Menu > Data Query > Log Query)
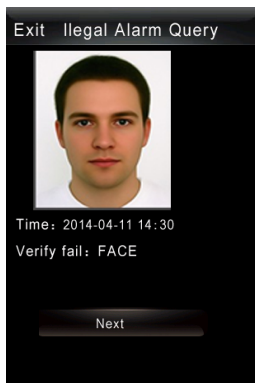
Click **Next** to go to the next log;
When the query is completed, the system displays a prompt: **Data query completed.**

3.7   Language (Main Menu > Setting > Lock Setting)
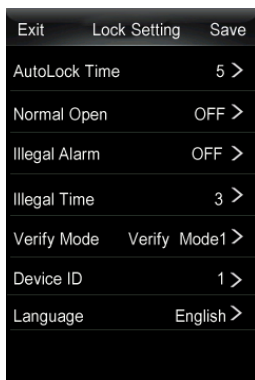
Click the **Language** bar to set the language, and reboot the device to make the setting effective.

3.8   System Information
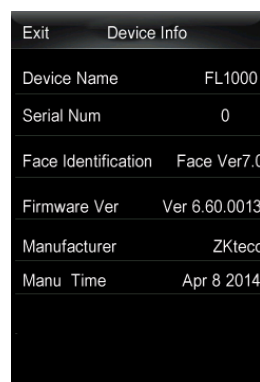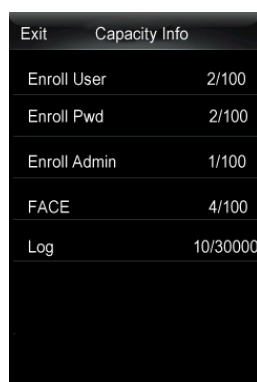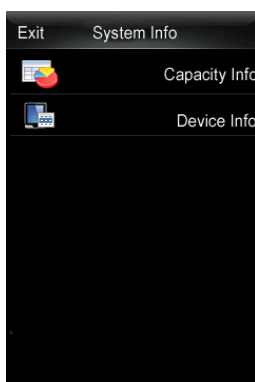
Click **Capacity Info**

Click **Device Info**

Capacity Info	**Enroll User 2/100**	Number of the enrolled users/Total capacity of the users
	Enroll Pwd2/100	Number of the enrolled passwords/Total capacity of the passwords
	Enroll Admin 1/98	Number of the enrolled administrator/Total capacity of the administrators
	FACE 4/100	Number of the enrolled faces/Total capacity of the faces
	Log 10/30000	Number of the logs/Total capacity of the logs
Device Info	**Device Name**	Device Name
	Serial Num	Serial Number
	Face Identification	Face Recognition Algorithm
	Firmware Ver	Firmware Version
	Manufacturer	Manufacturer Name
	Manu Time	Manufacturing Date

Chapter 4: Lock Function

4.1   Normal Open (Main Menu > Setting > Lock Setting)
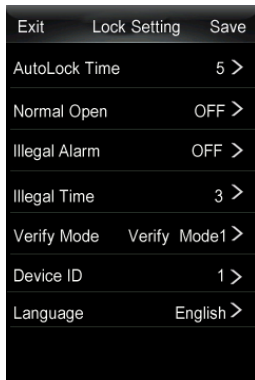
Click **Normal Open** bar to enable or disable the **Normal Open,** which is **OFF** by default**.**

After **Normal Open** is **ON,** when the unlocking succeeds, the system will display a prompt whether to enable the **Normal Open:**
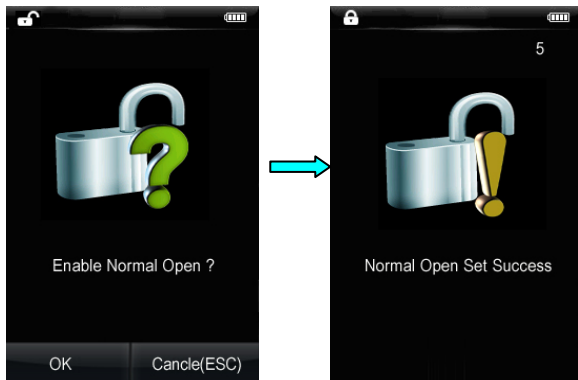
Click **OK**   **Normal Open** is **ON**

4.2   Autolock Time (Main Menu > Setting > Lock Setting)
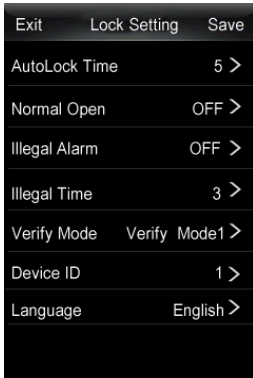
Click **AutoLock Time** bar to set the autolock time ranging from 3s to 15s, which is 5s by default.

4.3 Illegal Alarm & Illegal Time (Main Menu > Setting > Lock Setting)
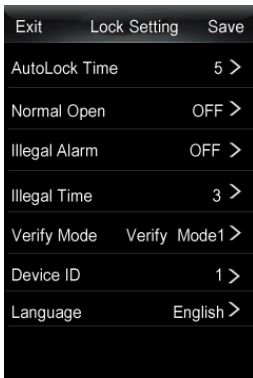
Click **Illegal Alarm** bar to enable or disable the **Normal Open,** which is **OFF** by default**.**
Click **Illegal Time** bar to set the autolock time ranging from 0s to 255s, which is 3 times by default.

When the **Illegal Alarm** is **ON,** if the times of failed unlocking exceed the set value of the **Illegal Time**, photos will be taken and displayed in the screen during the next start-up as an alarm.
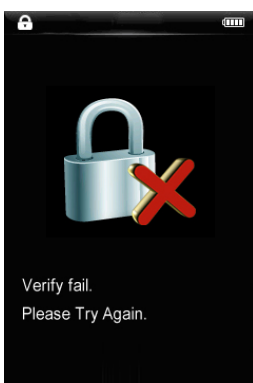
Verify fails
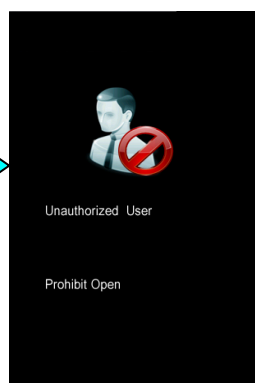
Failure times exceed the set value

A photo is displayed during the next start-up

4.4   Verify Mode (Main Menu > Setting > Lock Setting)

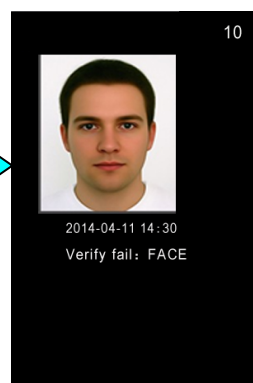| Verify Mode (There are mode 0, 1 (default), and 2)	Mode	Normal User	Supervisor & Administrator
	Mode 0	Unable to perform matching	Card/Face/Password, any of the three modes
	Mode 1	Card/Face/Password, any of the three modes	
	Mode 2	Face + Card, Face + Password, Card + Password, any of the three combinations	
【Notice】When the Verify Mode 2 is selected, the system enters into the combination verification mode. The normal user needs to enroll at least two verification modes, and when the first verification method succeeds, the system immediately enters into the 2nd verification mode; the two modes are not verified according to their enrolled sequences.			

Screen contents shown on the left:

Exit   Lock Setting   Save
AutoLock Time   5 >
Normal Open   OFF >
Illegal Alarm   OFF >
Illegal Time   3 >
Verify Mode   Verify Mode1 >
Device ID   1 >
Language   English >

4.5   Low Battery Alarm

When the battery voltage is running low, the device will give an alarm after it is enabled. In the Face Recognition Screen, the system displays a prompt **Low battery, please change soon**, and the **Main Menu** is not accessible to users.

4.6   Emergency Power Supply

If the lock cannot be used normally due to emergency situations, temporary power supply can be used as indicated below:
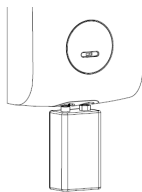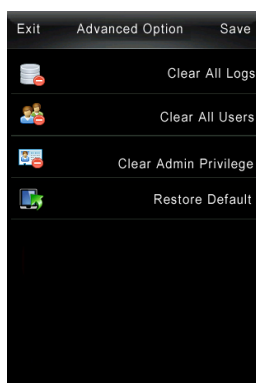

【Notice】   The temporary external power supply can only be connected by manual pressing. To avoid data loss due to unstable voltage, the Main Menu is not available.

4.7   Emergency Key

Insert the key to the small square hole into the key cap to pick the lock as indicated below:
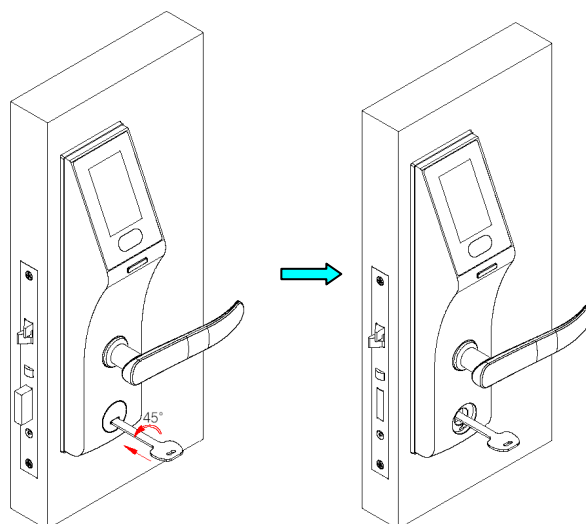
4.8   Clear Data

Clear All Logs	Clear all the unlocking logs.
Clear All Users	Delete all the user information, including ID, face/card/password.
Clear Admin Privilege	Modify the Administrator including the Supervisor to Normal User.
【Notice】 The **Advanced Option** is only available to the supervisor.	

4.9   Restore Default **(Main Menu > Setting > Advanced Option)**
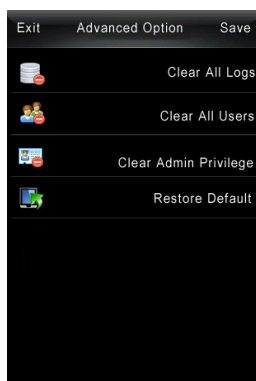
Click **Restore Default** to restore the device parameters to factory configuration.
【Note】 The option is only available to the supervisor.

Chapter 5: Quick Start

5.1   Open the door with face

| Click **Power Button** | Enter **Face Recognition** Screen automatically | Verification succeeds, and the lock is opened |
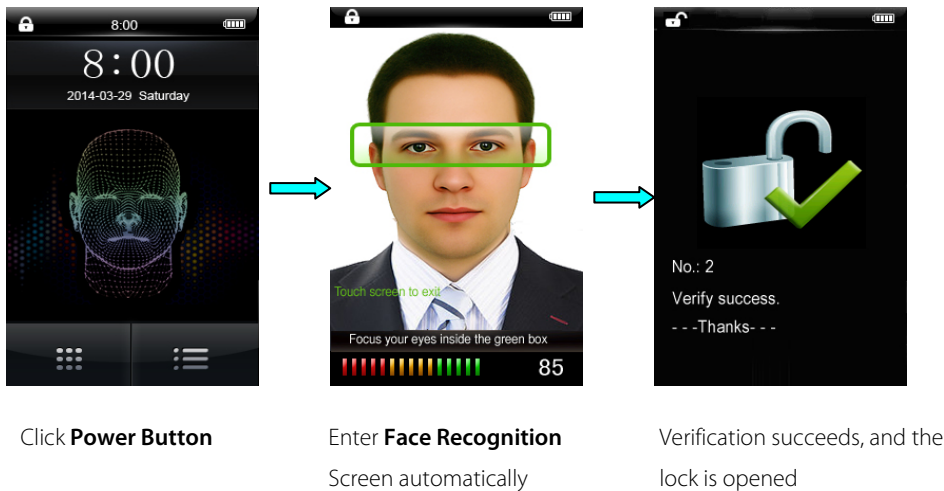
5.2   Open the door with Password

| Click **Password Button** | Input Password and click **OK** | Verification succeeds, and the lock is opened |
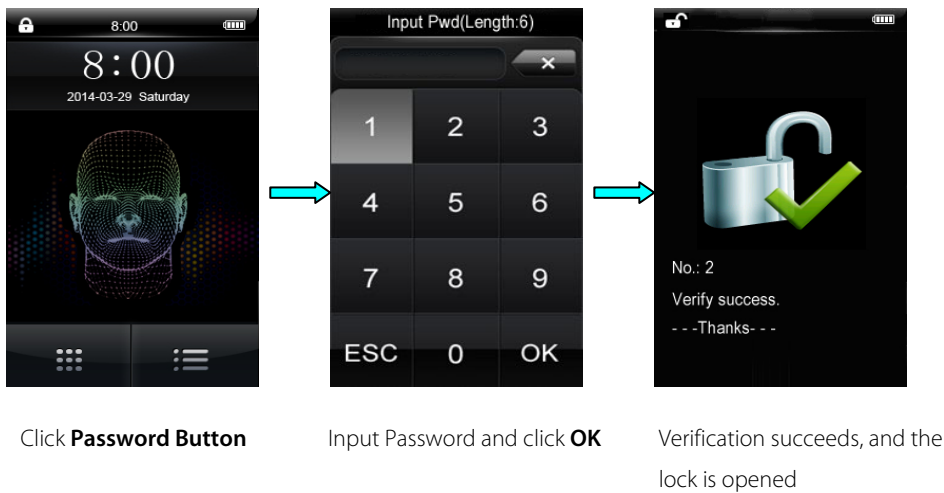
5.3   Open the door with Card

Enable the device, swipe the card over the lower part of the screen of the Main Screen/Face Recognition Screen/Password Input Screen, and the lock is opened after card verification is successful.

Click **Power Button**	Swipe the card over the camera	Verification succeeds, and the lock is opened

Appendix

Environment Protection Explanation

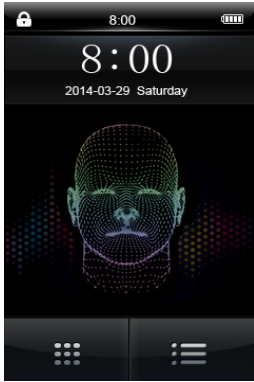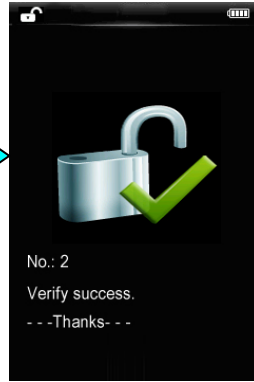|	The environmental protection use period marked on our products is the safety period of our products used under the conditions specified by this manual without toxic and harmful substances leaking happened
	The environmental protection use period marked on our products does not include the easy wear and tear components required to be replaced regularly such as the battery etc. The battery's environmental protection use period is 5 years.

The toxic and harmful substances or element names and the content table						
	The toxic and harmful substances or elements					
Part name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr6 +)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
SMD resistor	×	O	O	O	O	O
SMD capacitor	×	O	O	O	O	O
SMD inductance	×	O	O	O	O	O
SMD diode	×	O	O	O	O	O
ESD components	×	O	O	O	O	O
Buzzer	×	O	O	O	O	O
Adapter	×	O	O	O	O	O
Screw	O	O	O	×	O	O

O: Indicate that the content of the toxic and harmful substance contained in all homogeneous materials of this part is in the limitation requirement stipulated in SJ / T 11363-2006.

×: Indicate the content of the toxic and harmful substance contained in at least one homogeneous material of this part is beyond the limitation requirement stipulated in SJ / T 11363-2006.

Note: The 80% product has adopted the manufacture with non-toxic and harmless environmental protection materials, the non-toxic and harmless substances or elements instead of the toxic and harmful substances or elements contained can not be achieved because of the current technology and economic constraints.