



# Standalone User Guide



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## Features:

- ◆ Build-in Card reader and Controller
- ◆ Build-in 4DI, door open signal input, magnetic signal input, alarm signal input, etc.  
The relay should be corresponding action as alarm signal input (e.g., Open-all-doors function when emergency).
- ◆ Event log preserved for up to 10 years
- ◆ Build-in instruction of power and communications to show controller working conditions.
- ◆ 100 sets of time zone regulation, divide everyday into 5 periods, each using a different process to open the door: card flashing, card flash + password, invalidation, normal opening or special regulation to other holiday.
- ◆ Using administrator card to register card or UID + password on standalone
- ◆ Super password optional, unlimited to time zone regulation
- ◆ Personal password can be modified on standalone directly
- ◆ Access record used to check on work attendance
- ◆ Door bell button offered
- ◆ More powerful in networking
- ◆ Built-in anti-tamper function with alarm signal output

## Specifications:

Specifications			
Model No.	YA-83	YA-83K	YA-83DK
Power Supply	DC 9-15V		
Power Consumption	<1W	<1W	<1W
Card Type	13.56 MHz mifare		
Read Range	≥50mm	≥50mm	≥50mm
Capacity of records	10000		
Number of users	10000		
Communication Port	RS485		
Transmit Rate	9600 bps (N,8,1)		
LED Tips	Press Doorbell Button		
Data Storage	4M bits FLASH Memory		
Certification	Card Flashing	CardFlash/CardFlash + Password/UID+Password/public password	CardFlash/CardFlash + Password/UID+Password/public password



## YLi Standalone User Guide

<b>Clock</b>	-	-	yes
<b>Reading tips</b>	Beeper	Beeper	Beeper/OLED
<b>Dimensions</b>	95L×95W×21H(mm)		
<b>Weight(g)</b>	110 ± 10	120 ± 10	130 ± 10
<b>Material</b>	PC+ABS	PC+ABS	PC+ABS Screen cover: PMMA
<b>Environment</b>	-30℃to+65℃		

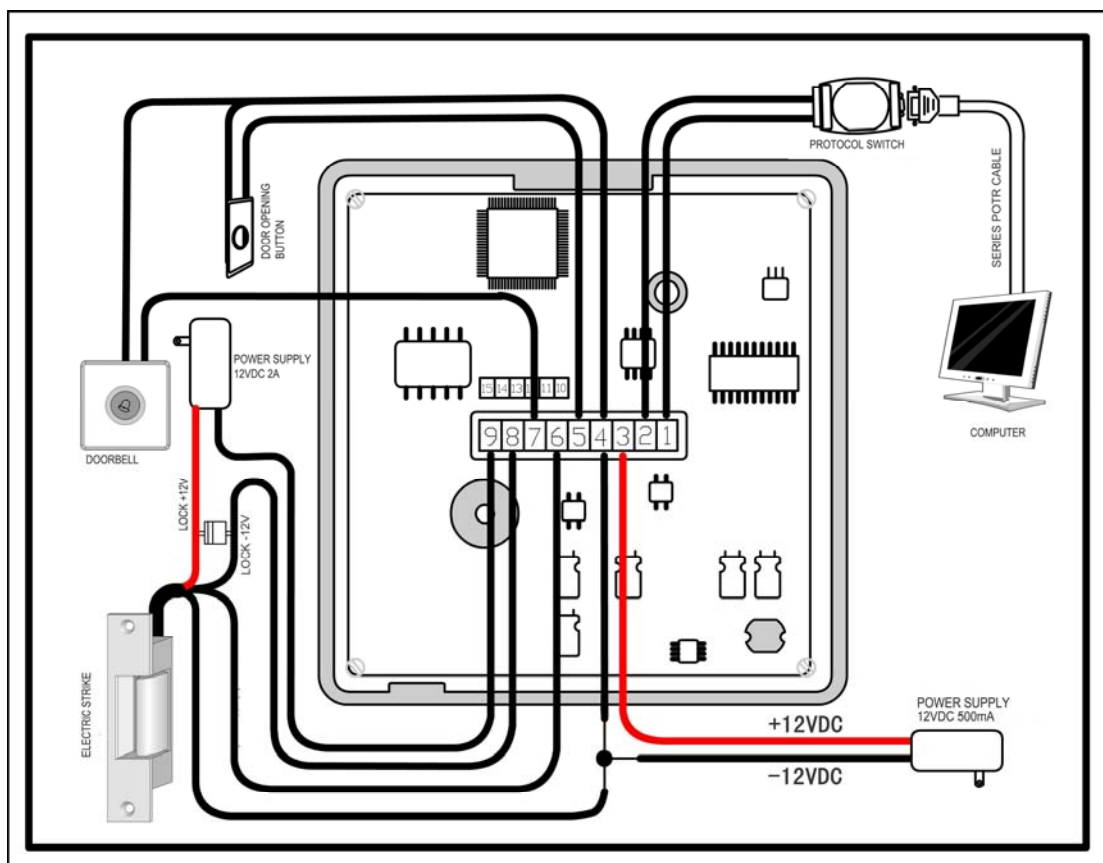
Specifications			
<b>Model No.</b>	YA-82	YA-82K	YA-82DK
<b>Power Supply</b>	DC 9-15V		
<b>Power Consumption</b>	<1W	<1W	<1W
<b>Card Type</b>	125 KHz EM		
<b>Read Range</b>	≥50mm	≥50mm	≥50mm
<b>Capacity of records</b>	10000		
<b>Number of users</b>	10000		
<b>Communicaion Port</b>	RS485		
<b>Transmit Rate</b>	9600 bps (N,8,1)		
<b>LED Tips</b>	Press Doorbell Button		
<b>Data Storage</b>	4M bits FLASH Memory		
<b>Certification</b>	Card Flashing	CardFlash/CardFlash +Password/UID+Password/super password	CardFlash/CardFlash +Password/UID+Password/super password
<b>Clock</b>	-	-	yes
<b>Reading tips</b>	Beeper	Beeper	Beeper/OLED
<b>Dimensions</b>	95L×95W×21H(mm)		
<b>Weight(g)</b>	110 ± 10	120 ± 10	130 ± 10
<b>Material</b>	PC+ABS	PC+ABS	PC+ABS Screen cover: PMMA
<b>Environment</b>	-30℃to+65℃		

## Front Panel

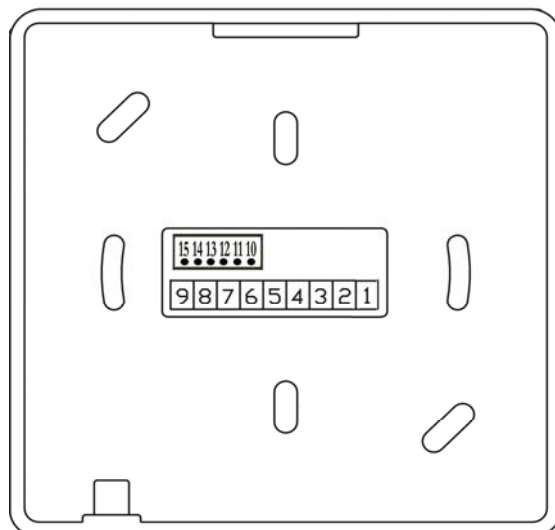
1. Press any key to lights the background lights and will automatically turn off within 30 seconds. When doorbell button is pressed, LED changes color continuously.

2. OLED turn on high light as any key or card entry, and will automatically get right within 60 seconds.
3. OLED displays related information as key or card entry

## Connection:

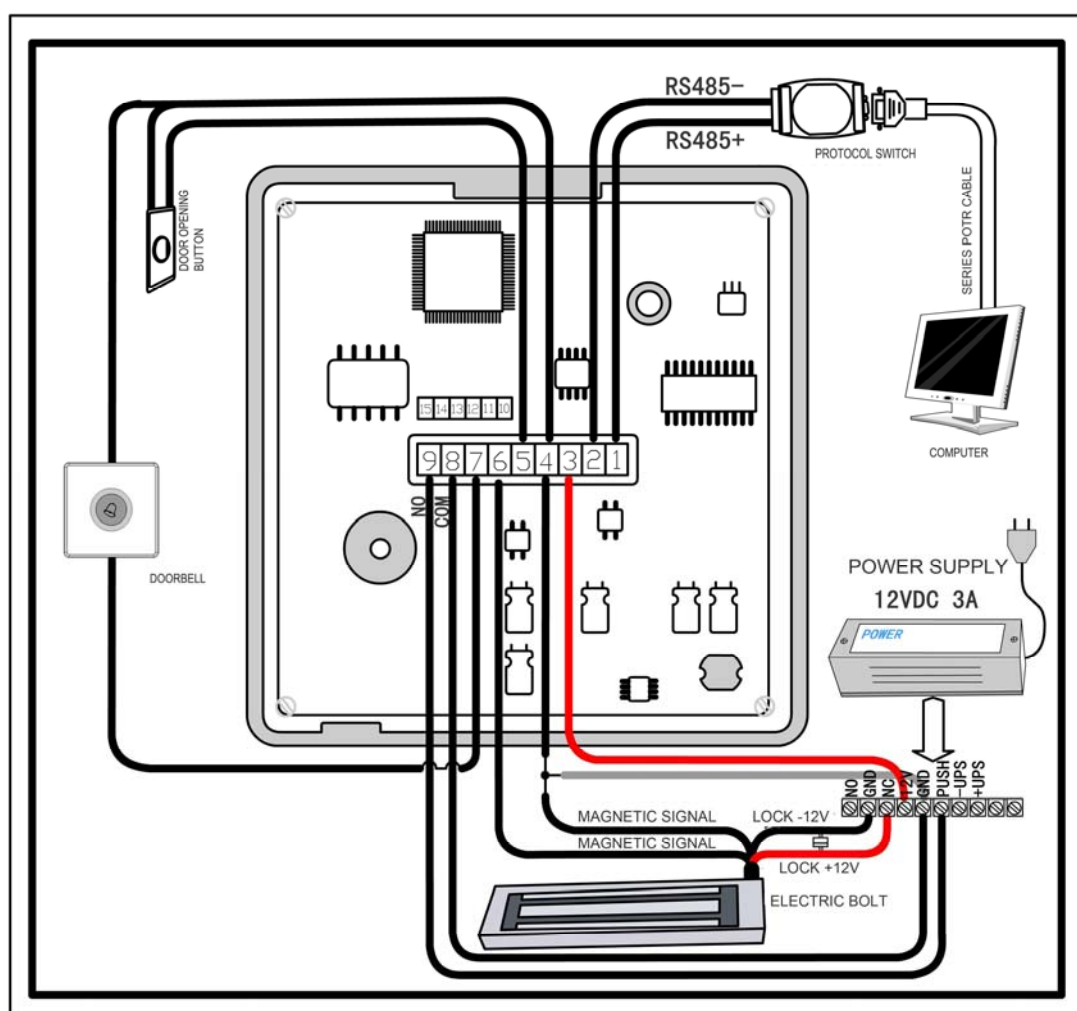


Connection		
Wire	Function	Description
1	RS485+	Data+
2	RS485-	Data-
3	12V+	DC Power 12V
4	12V-	DC Power 0V
5	TTL1	Input 1, Default to door open signal input
6	TTL2	Input 2, Default to magnetic signal input
7	Doorbell output	Build-in doorbell signal output

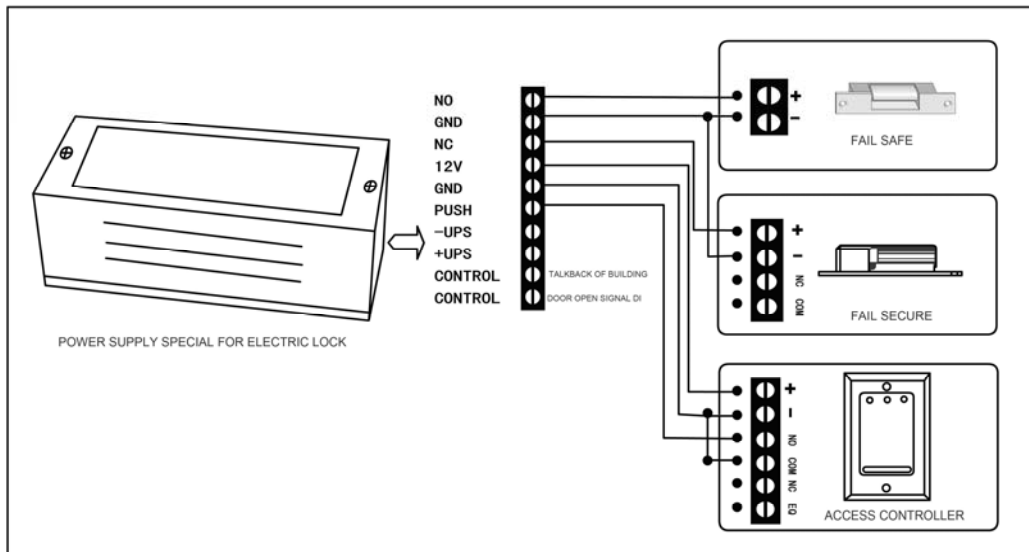




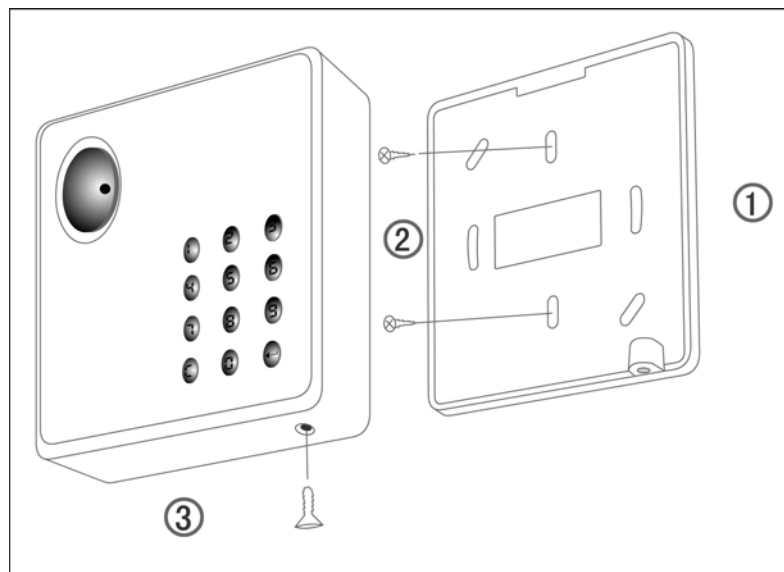
8	COM	Door relay COM interface
9	NO	Door relay NO interface
10	GND	Signal GND
11	TTL3	Input 3, Software editable
12	TTL4	Input 4, Software editable
13	OUT 2	Output 2, Software editable
14	OUT 3	Output 3, Software editable
15	Reservation	Reservation



Consider for the access control system security, when use a “fail safe” electric lock, need the special power for the electronic lock. Even if the standalone is forced broken or short circuit the power supply will not cause the door be opened, please wiring refer to the figure above, or refer to the following figure shows the connection reference of the tied power for the electronic locks:



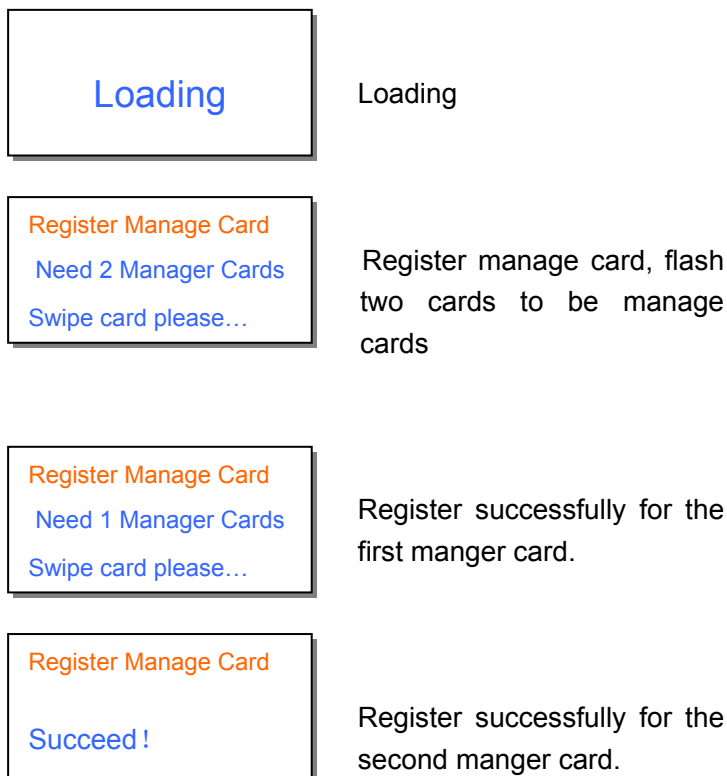
## Installation



- ①. Mounting back-plate on the wall
- ②. Route all the cable through the hole in the middle of back-plate
- ③. Install the Standalone to back-plate and fix a screw in the bottom
- ④. Power-on, two beeps and OLED panel time shown

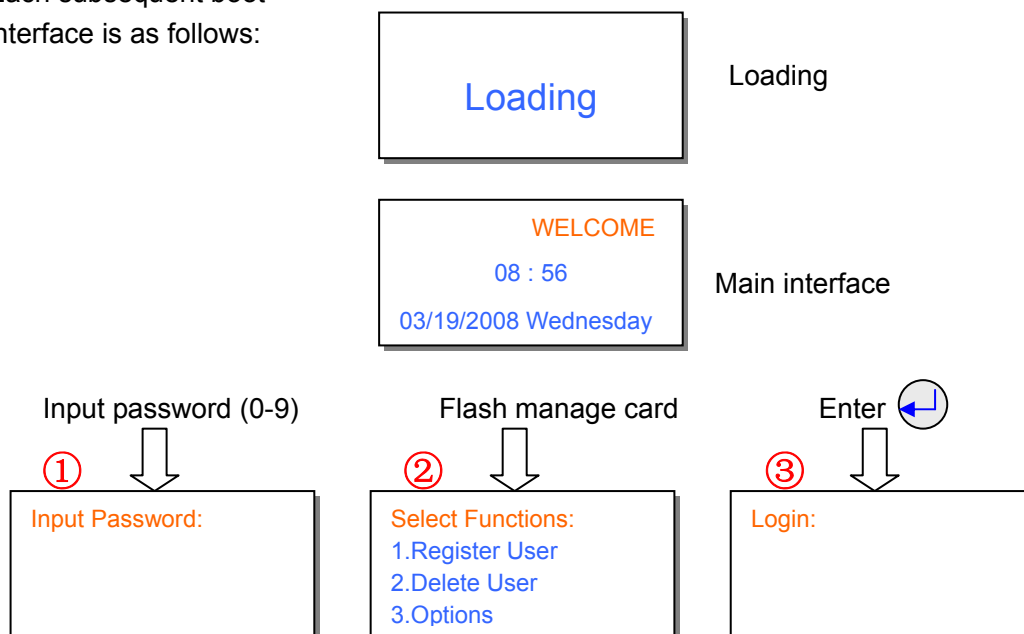
## Operating Instruction : .

For the first time to use the standalone and after format the system, user must to register 2 manage cards, both of them are the same authority, suggest that take one for a backup.



-----Above is the steps for the first using to register manage card.-----

Each subsequent boot interface is as follows:



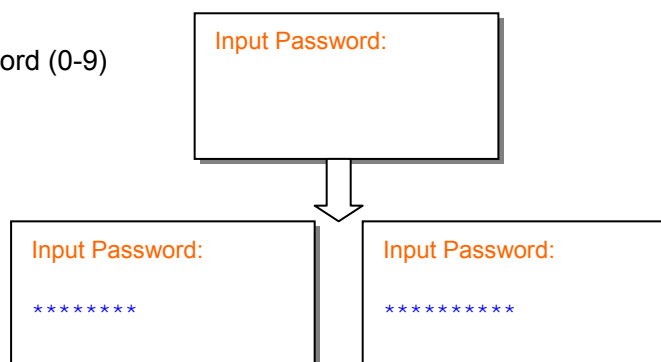
**Explain: Build-in 3 input modes in main interface**


- ①: Enter password, enter 8bit public password or enter staff no.+ personal password to open the door
- ②: Flash manager card to register/delete member, set public password, set system loading password and format system.
- ③: Press enter ↵ to modify password of each member, set-up time, set time zone regulation, week plan and query the information of each user.



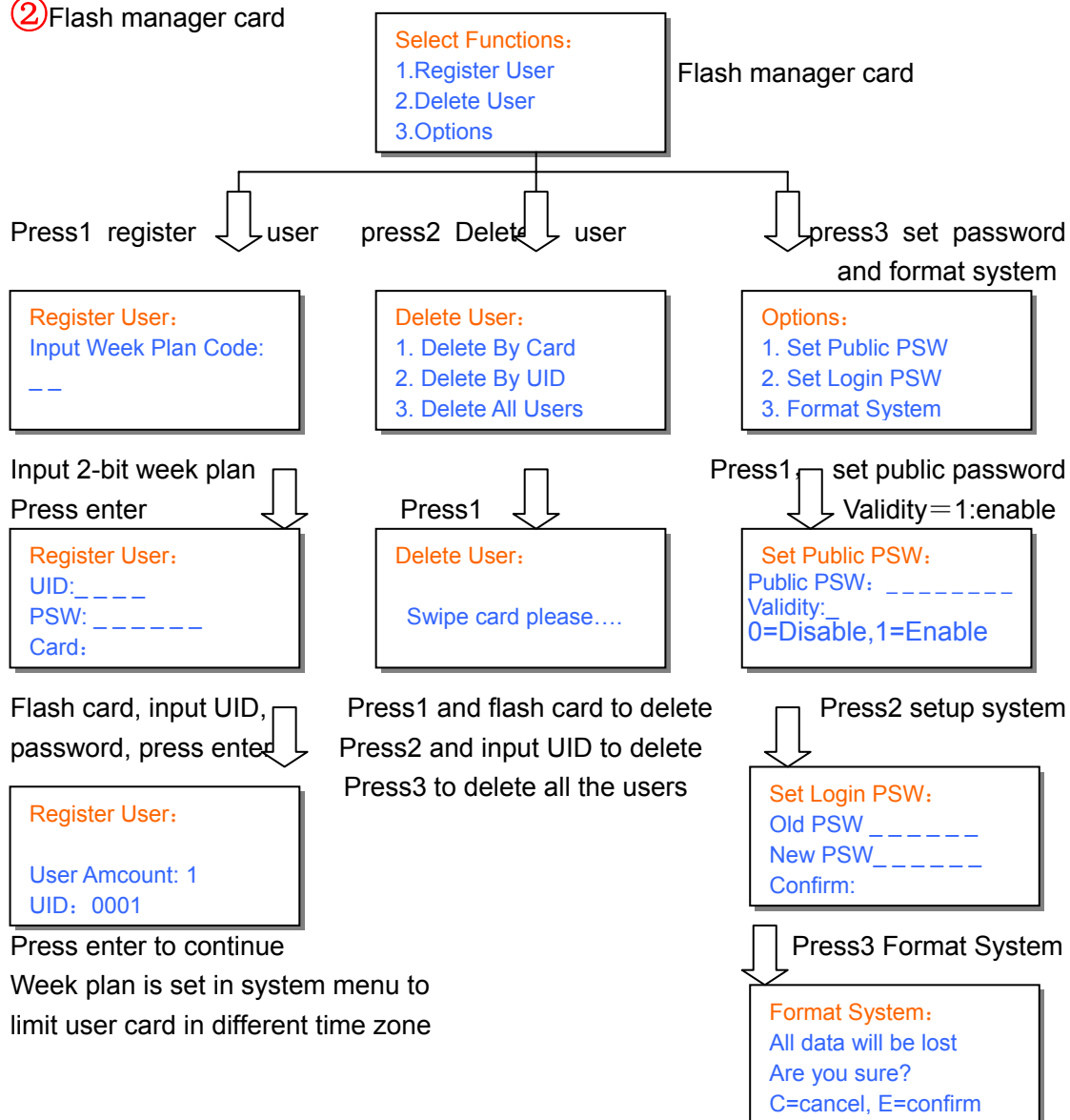
## The explain of three different input modes:

### ① Input password (0-9)



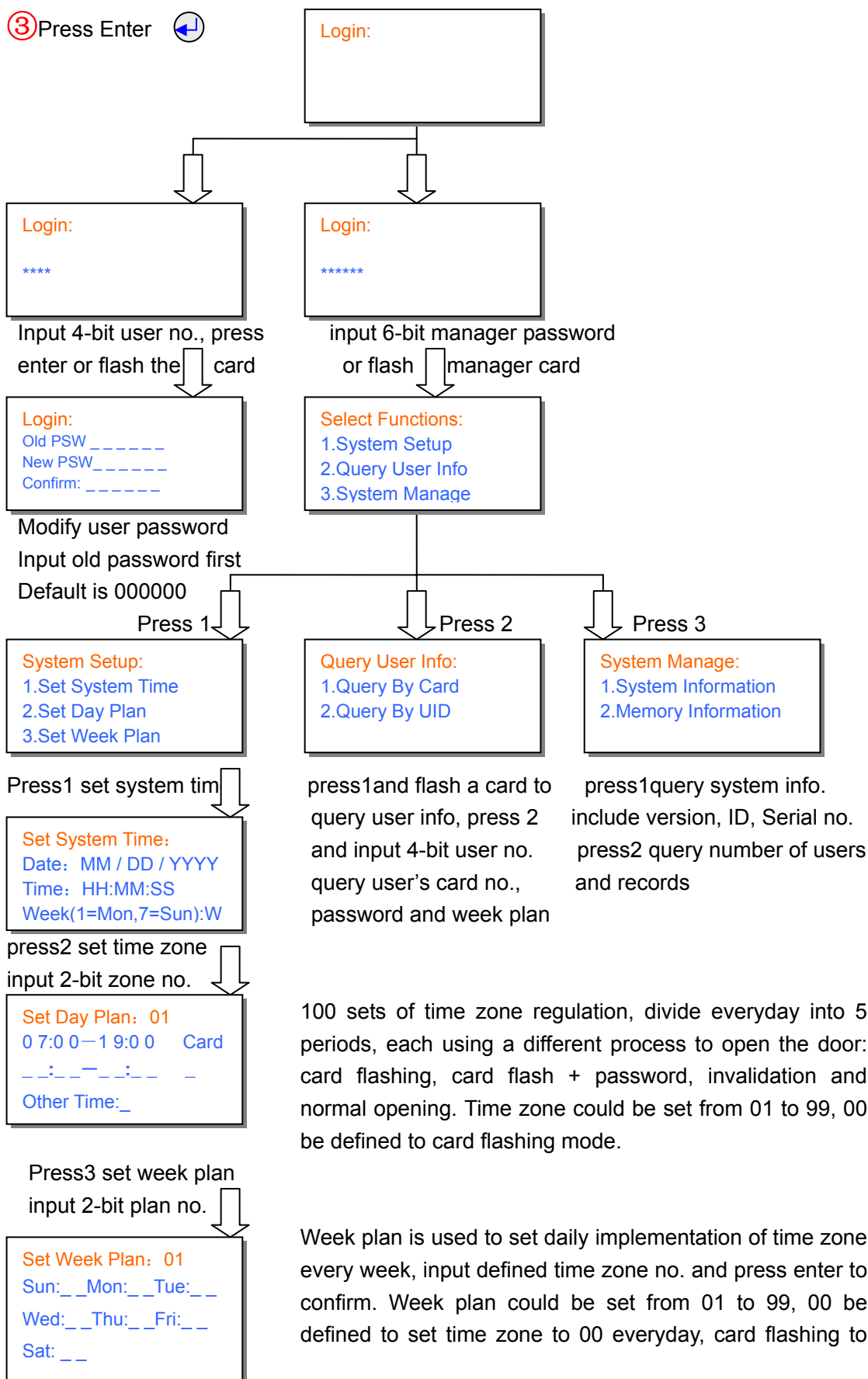
Input 8-bit public password, press  to open the door, or input 4-bit staff no.+6-bit personal password to open the door

### ② Flash manager card



**note: Format command will delete all the user card include manager card and all of records**

③ Press Enter 





open the door.

## **Troubleshooting:**

1. If the standalone doesn't work properly after power-on, please disconnect the power immediately and check the wiring and whether the power supply complied with 9-15V. After re-apply the power, the unit should beep one and the time should display at a time.
2. If the reading range performs not well, please check if the wall behind is a large area of metal, if it is, please remove the metal or block up the unit.

## **Warranty:**

If you think that you have a defective unit, please contact your supplier as soon as possible. YLi warrants this product against any defects in normal use for a period of one year from the date of invoice. In the event of a malfunction during the warranty period, YLi will repair or replace this product to its original operating condition. Don't try to repair the product by yourself, or you will miss the warranty.