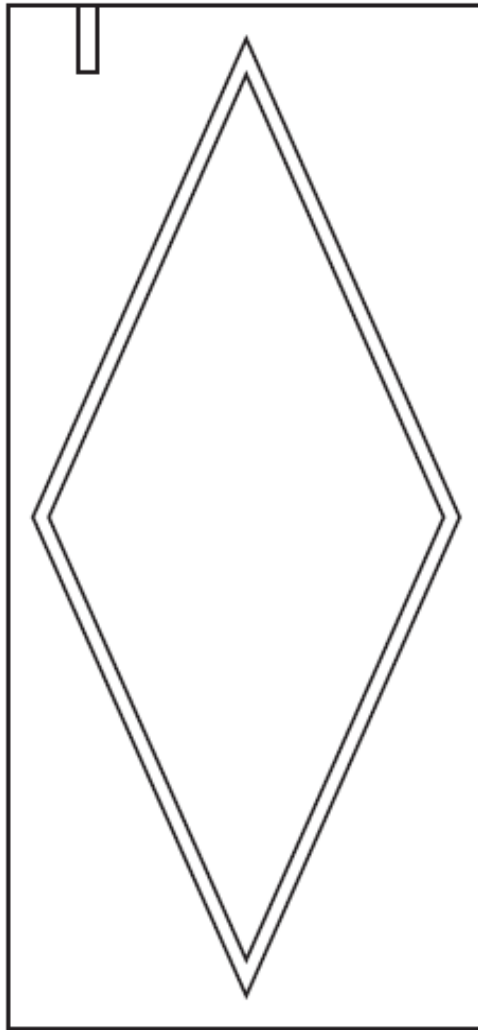


BT1-Bluetooth

Bluetooth Standalone Access Control



User Manual

www.holars.se – www.holars.no

Introduction

The BT1-Bluetooth is a metal case anti-vandal standalone access control that can be mounted both indoor and outdoor. The unique feature is can be operated by mobile phone through Bluetooth or 13.56MHz Mifare or 125KHz EM Card. The operation is very smart and convenient.

Two versions optional:

IC Version:13.56MHz Mifare Card <---- **Standard modell.**

ID Version:125KHz EM Card

Features:

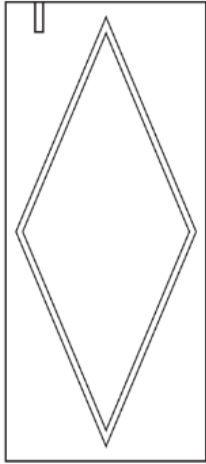
- Vandal resistance enclosure
- Waterproof, conform to IP66
- One programming relay output
- 10,000 users (including Mifare and mobile phone user)
- Two ways to open the door: Mifare or Mobile phone.
- Support opening the door through Bluetooth(version:4.0 above), APP supports Android 4.3 and IOS7.0 above
- Support sending Remote E-key to others: the Administrator can control access time.
- Latch mode to hold door or gate open
- Multi-color LED status display

Specification:

User Capacity Card Mobile	10,000 13.56MHz Mifare Card Android 4.3 and IOS7.0 above
Operating Voltage Idle current Active current	12V DC ≤35mA ≤90mA
Proximity Card Reader Radio Technology Card Read range	Mifare Card 13.56MHz 2~6cm
Bluetooth Range Reaction	Bluetooth Version:4.0 Above <20m (relate to environment) <2seconds
Relay Lock Output Load	One(NO, NC,Common) 2 Amp Maximum
Environment Operating Temperature Operating Humidity	Meets IP66 -20°C~+60°C 0%~98%
Physical Dimension Net Weight	Zinc-Alloy Enclosure L103 X W48 X H19 (mm) 260g

Shipment Weight	300g
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BT1 Bluetooth



Self Tapping Screws



Wall Anchors



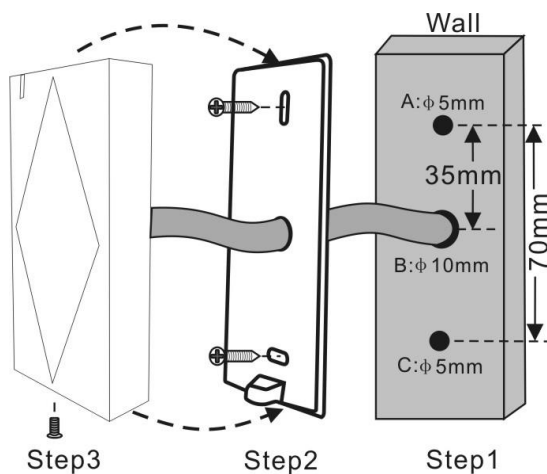
Screw Driver



Diode 1N4004 (For relay circuit protection)

Installation

- Drill 2 holes(A,C) on the wall for the screws and one hole for the cable, Thread the cable through the cable hole(B)
- Knock the rubber bungs to the screw holes(A,C),Fix the back cover firmly on the wall with 4 flat head screws
- Attach the unit to the back cover.



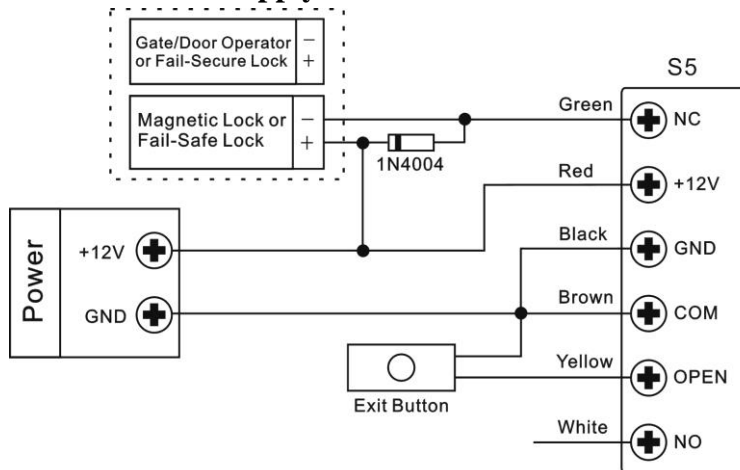
Wiring

No.	Color	Function	Notes
-----	-------	----------	-------

1	Green	NC	Normally Closed Relay Output
2	Brown	COM	Common Connection for Relay Output
3	White	NO	Normally Open Relay output
4	Black	GND	Negative Pole
5	Red	+12V	Regulated Power Input
6	Yellow	OPEN	Request to Exit input(REX)

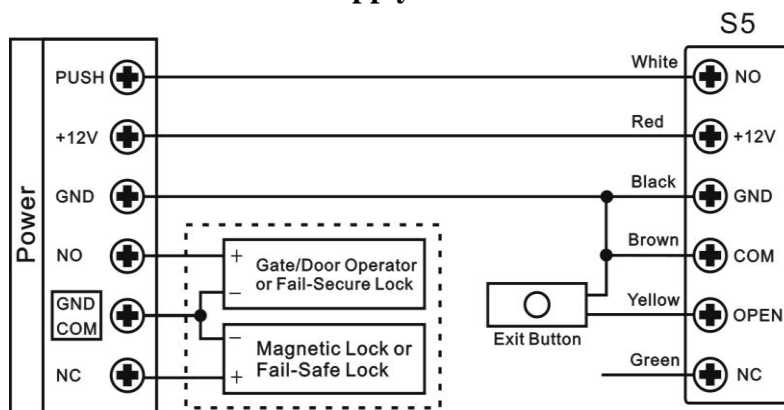
Connection Diagram:

Common Power Supply:



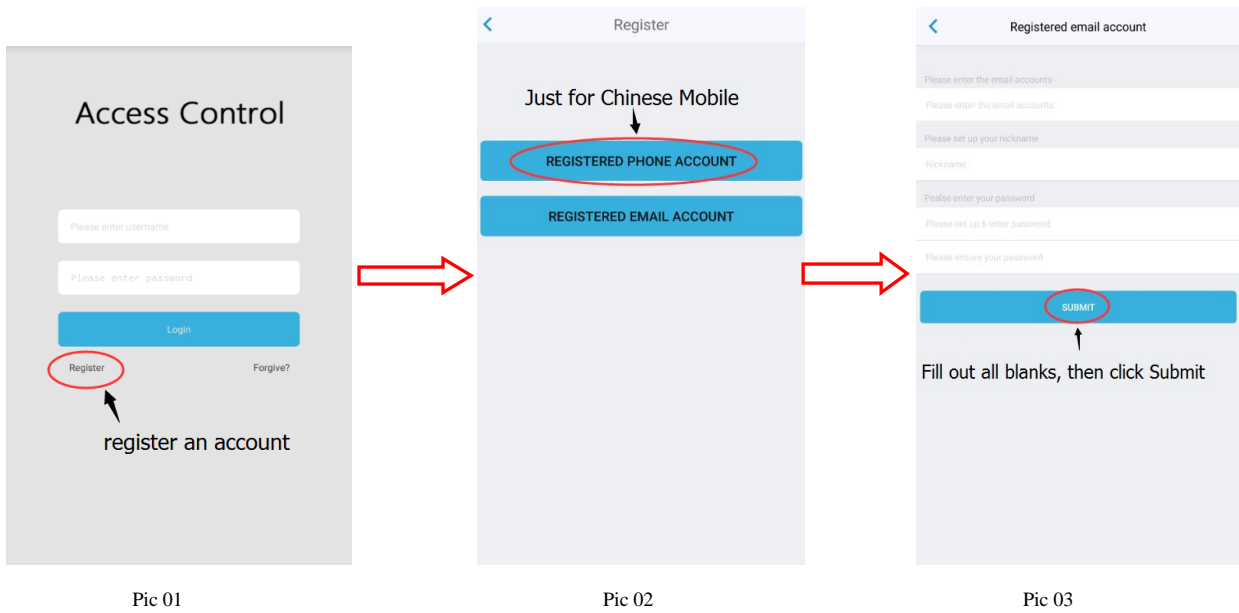
Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the reader might be damaged. (1N4004 is including)

Access Control Power Supply:

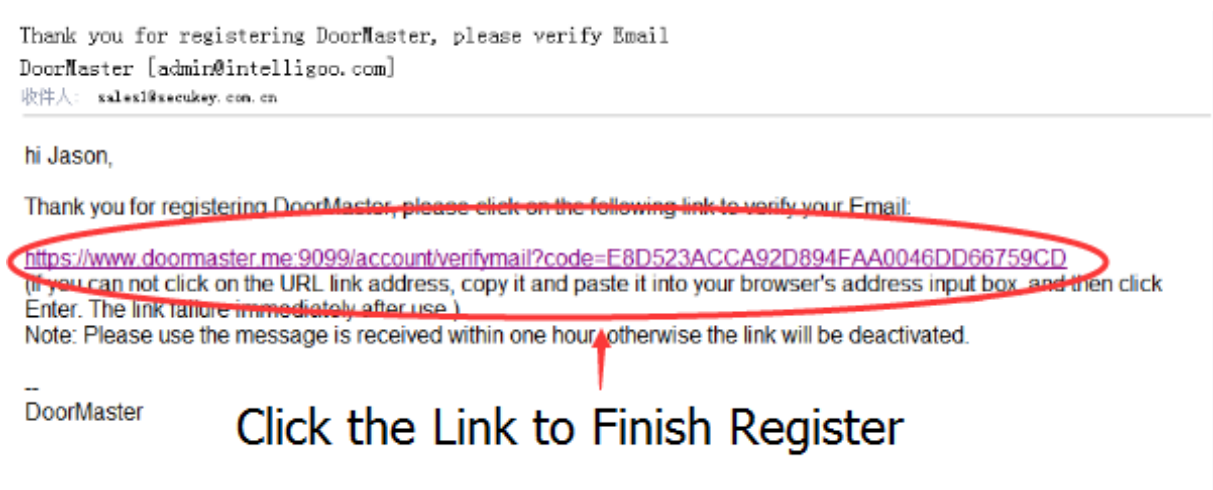


APP Operation

1. Register

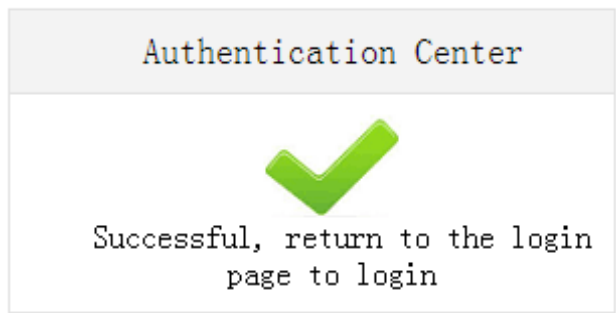


You Will Get An Email From DoorMaster



Pic 04

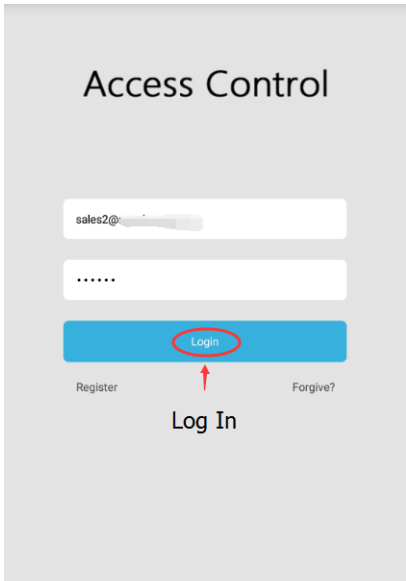
Then Register Successfully.



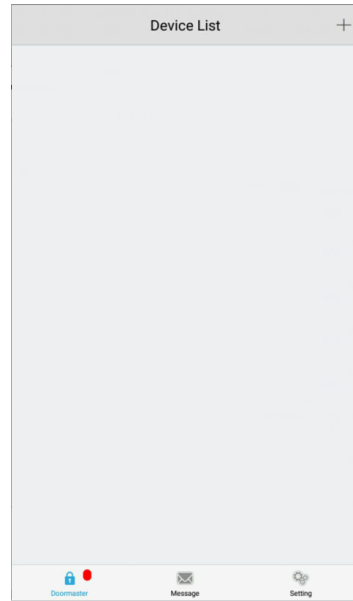
Pic 05

2. Add Device

Login the App with your email address and password.

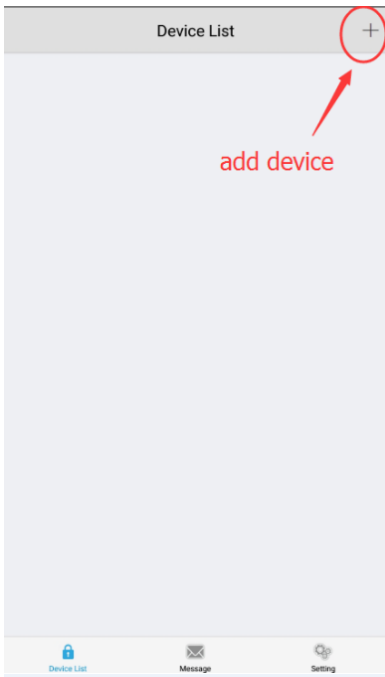


Pic 06-1

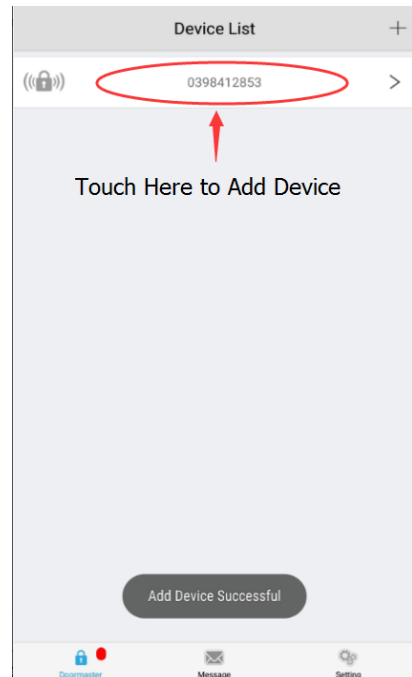


Pic 06-2

Slowly press exit button for three times, when Red light shines, operate like this:



Pic 07



Pic 08

When hear one “Beep”, means add device successfully.

3. Set Master Users

Each device has Only 1 Super Master User and 10 Master Users

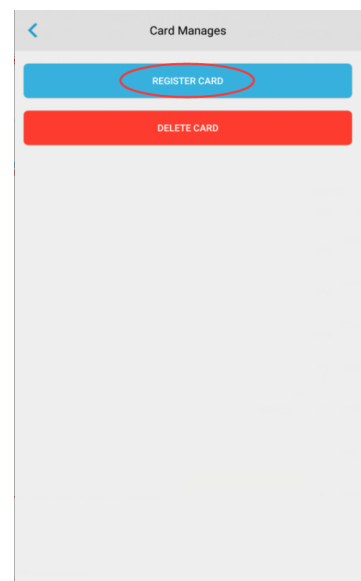
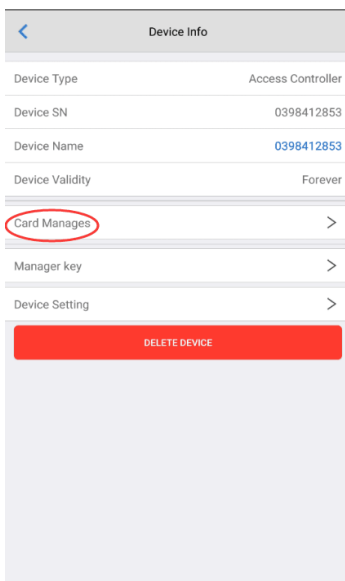
(The 1st user added the device is Super Master User, the 2nd~11st users added the device are Master Users.)

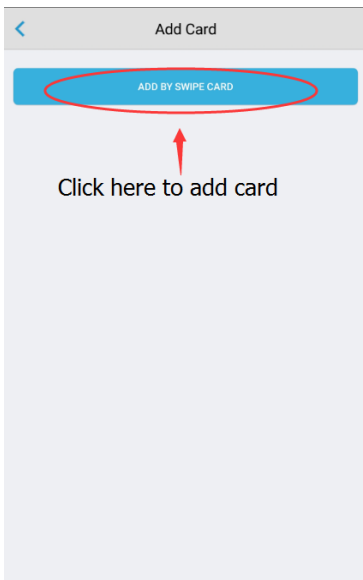
Below is Authority for Different Users

Authority	Super Master User	Master Users	Common Users
Open Door	√	√	√
Change Device Name	√	×	×
Add Card	√	√	×
Delete Card	√	√	×
Send E-Key	√	√	×
Set Relay Configuration	√	×	×
Set Common Users as Master User	√	×	×

4. Add and Delete Card Users by App

Add Card Users



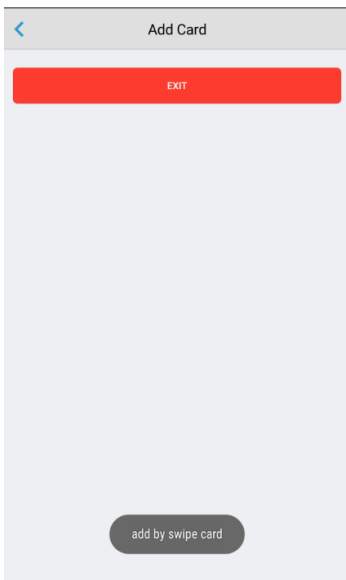


Pic 09

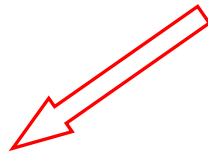
Pic 10

Pic 11

When hear one “Beep”, the App shows “ add by swipe card” as below, red light shine once, read the card on BT1.

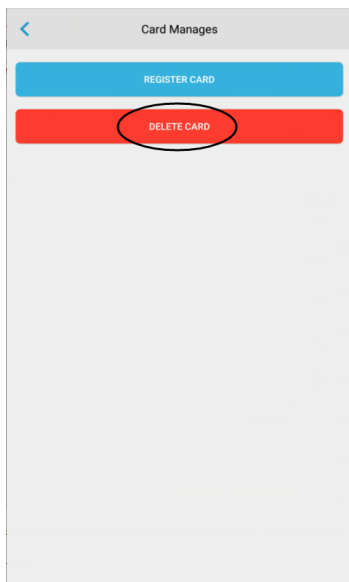


Pic 12

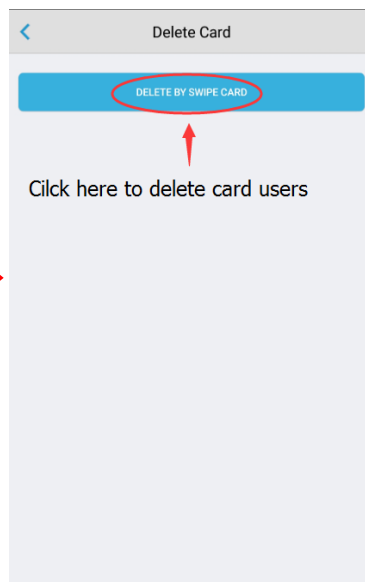


Then the card is added successfully(Cards can be added continuously as the above methods).

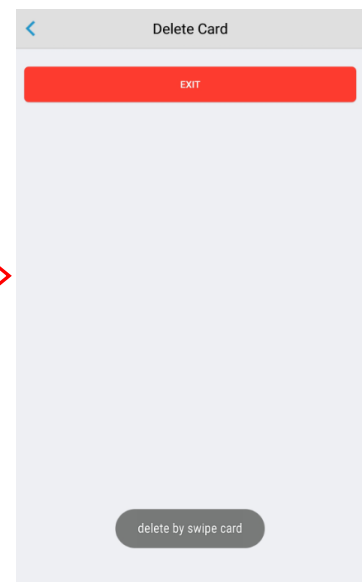
Delete Card Users



Pic 13



Pic 14

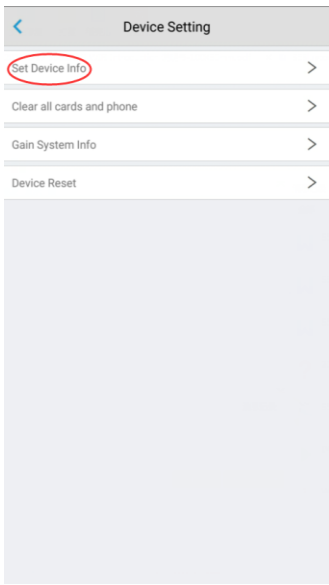


Pic 15

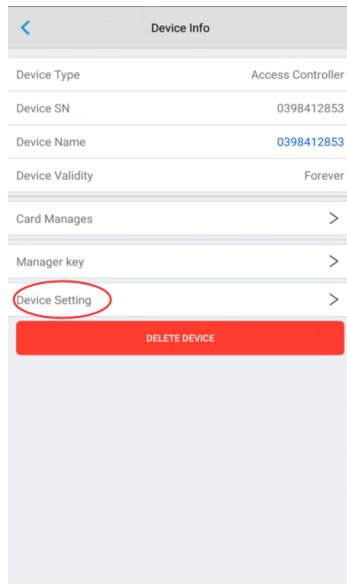
5. Set Relay Configuration

Lock Control: Set the door open time (Factory Default: 5 seconds)

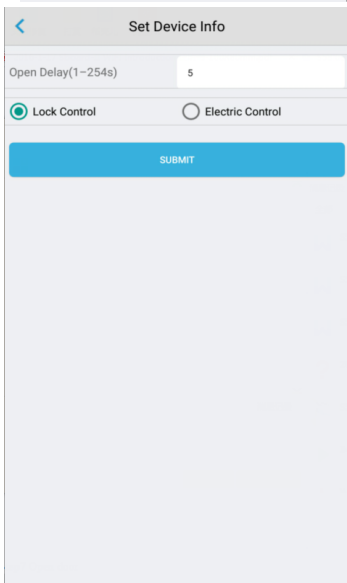
Electric Control: Set the relay to ON/OFF mode



Pic 16



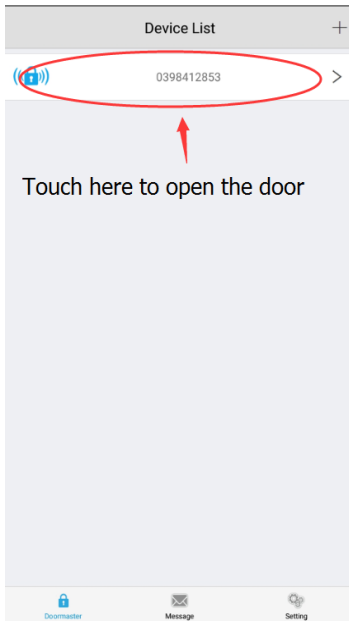
Pic 17



Pic 18

6. Open door

1. Read the valid user card
2. Open the door by App, login in the App, and touch the device to open the door

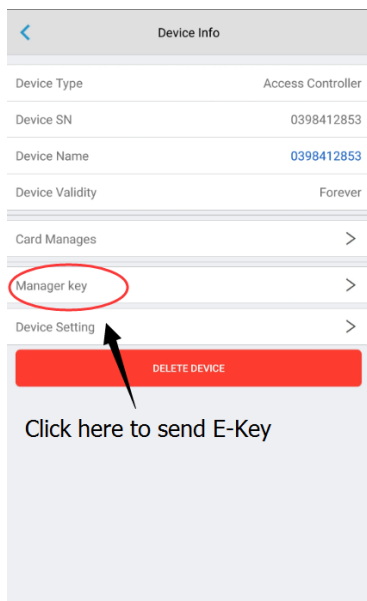


Pic 19

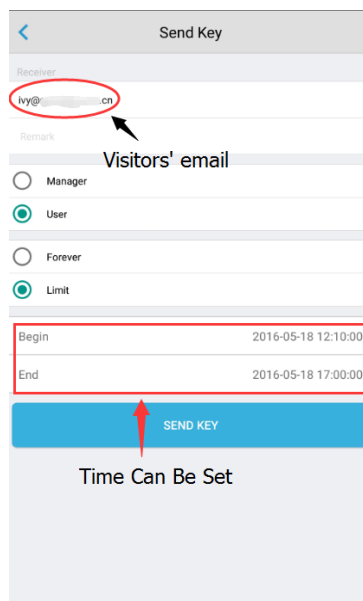
7. Send E-Key

Remark: E-key receivers must have registered in App firstly.

E-key can be set as master or common user, and the Authority can be permanent or timed.

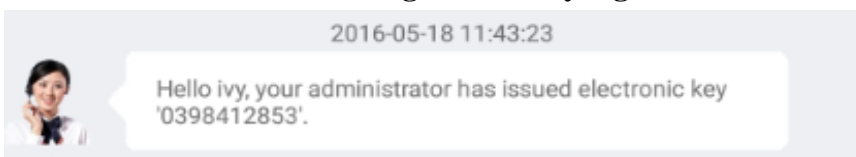


Pic 20



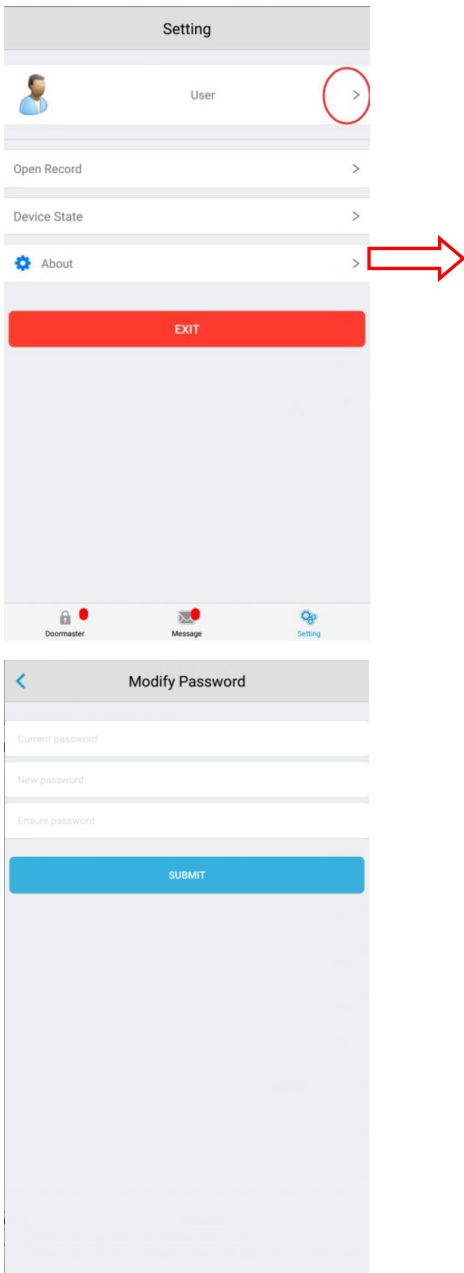
Pic 21

Visitors will receive a message when they log in.

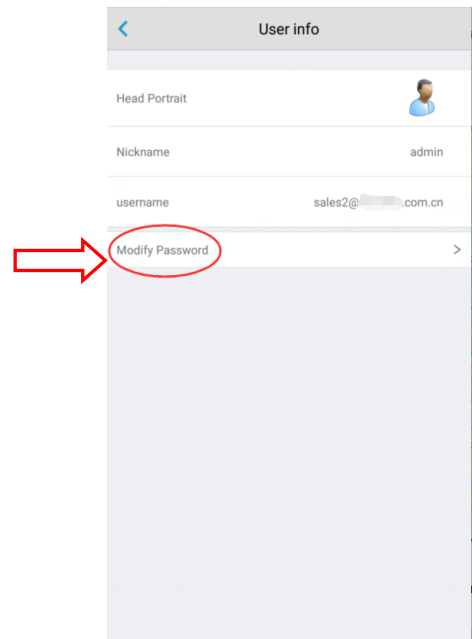


Pic 22

8. Change Password



Pic 23



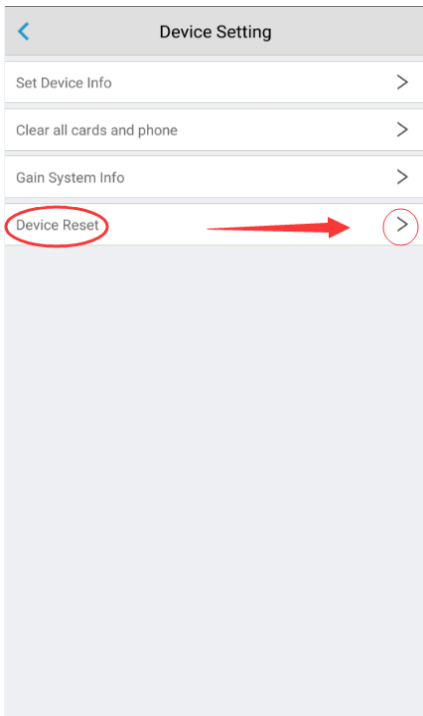
Pic 24

Pic 25

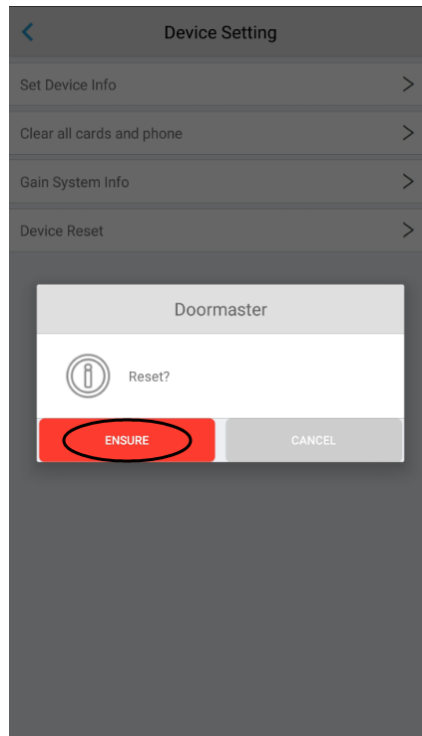
9. Device Reset(Method 1)

(Please refer to title OTHERS for Method 2)

This operation only reset the door open time to 5 seconds.



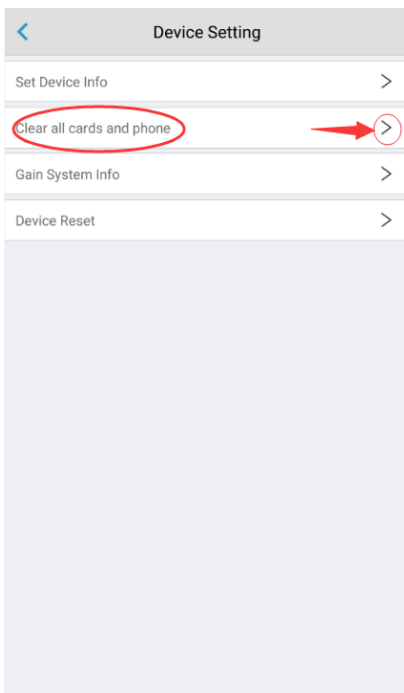
Pic 26



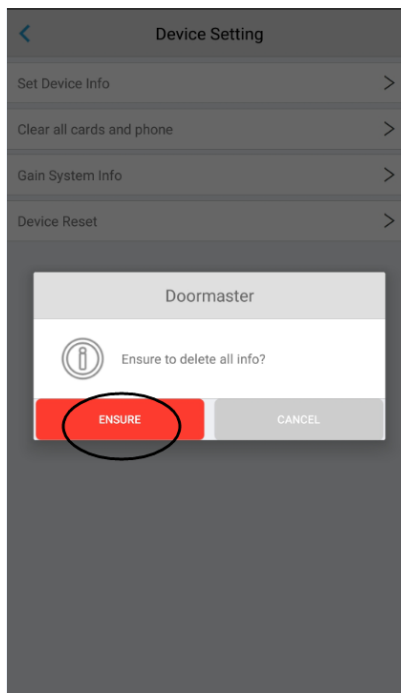
Pic 27

10. Erase ALL Users(Method 1)

(Please refer to title OTHERS for Method 2)

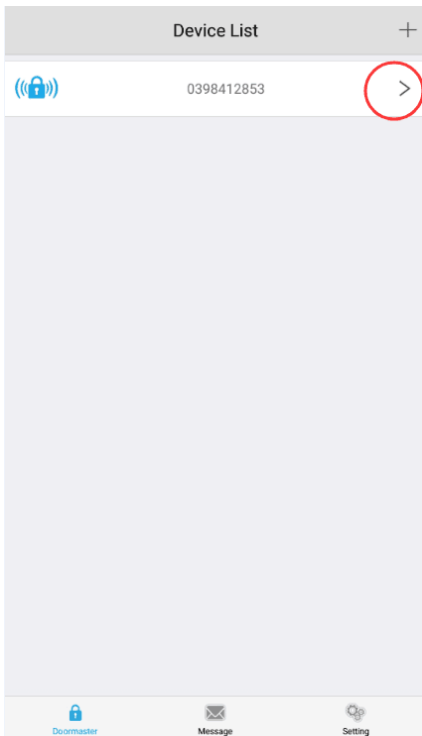


Pic 28

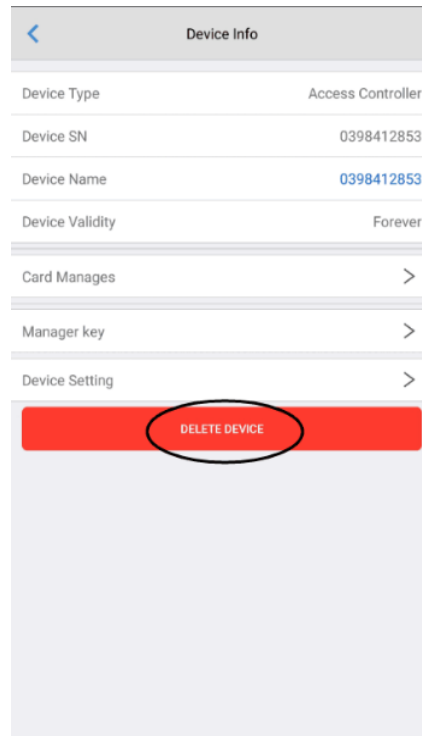


Pic 29

11. Delete Device



Pic 30



Pic 31

OTHERS

To Reset to Factory Default(Method 2)

To reset to factory default, power off and press exit button , hold it and power on, release it until hear one beep and the LED in Red, means reset to default successfully.

Remarks: Reset to factory default, the users' information is still retained.

Erase ALL Users(Method 2)

After resetting to factory default, 1s later, press exit button , hold it for 10s. Release it until hear three beeps and the LED in Red, means clear data successfully.

Sound and Light Indication

Status	Light color	Buzzer
Stand By	Red	—
Enter Programming	Red Shine Slowly	Beep—
Operation error and clear device	—	3 Beeps
Open lock	Green	Beep—