



# BVN Online Solution User Manual

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Note:

1. The lock will be unlock by any Mifare RFID card when the lock is under factory setting.
2. The user manual is also available for setup and operate BVN Access control.
3. This user manual is also available for setup BVN ESU
4. Sever link is **dms.dmsiot.com**, Please apply an account for you system.
5. Management APP : **For Android**, you need to install **ELock\_YYN\_3.5.0.apk** , can not be download via google play  
(Android version download link:[http://dms.dmsiot.com/android/app\\_ex.html](http://dms.dmsiot.com/android/app_ex.html))

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## A、APP Steps for usage

### 1、 Register an account and Log in

After entering the user's email, Pin-code, and verification code, click Register to register the user.

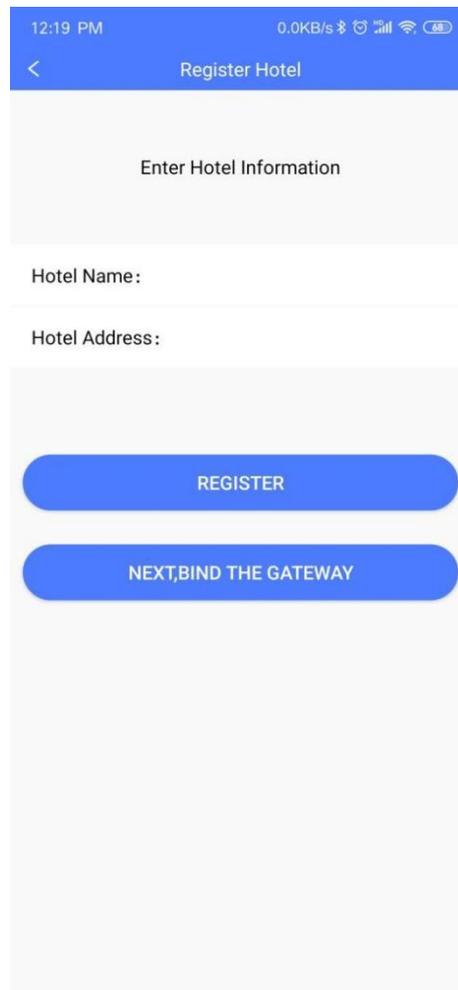
Enter your username and Pin-code to login.

The image displays two side-by-side screenshots of a mobile application interface. The left screenshot, titled 'Register', shows a 'Register Account' screen with three input fields: 'Please enter your email address', 'Please enter passcode', and 'Please enter passcode again'. Below these fields are a 'Validate code' button and a 'GET CODE' button. A large blue 'REGISTER' button is at the bottom. The right screenshot, titled 'Login', shows a login screen with the 'SMART LIVING' logo at the top. It features two input fields: 'Email' and 'Passcode'. A 'Remember passcode' checkbox is checked. A large blue 'LOGIN' button is centered, and at the bottom, there are links for 'No account? Sign up Now' and 'Forget Passcode'.

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## 2、Registered hotel

Click on the user's avatar to enter the menu bar, click on Register Hotel to register

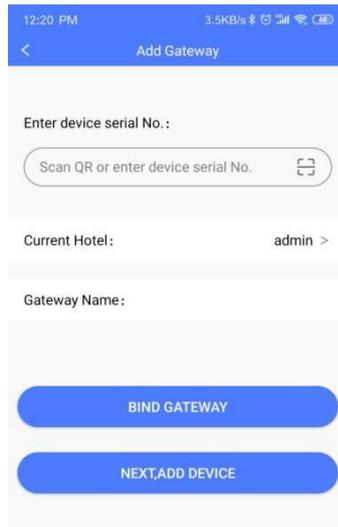


The screenshot shows a mobile application interface for registering a hotel. At the top, there is a blue header bar with a back arrow on the left, the text "Register Hotel" in the center, and system status icons (time, data speed, signal, Wi-Fi, battery) on the right. Below the header is a light gray box containing the text "Enter Hotel Information". Underneath this box are two labels: "Hotel Name:" and "Hotel Address:", each followed by a horizontal line indicating an input field. At the bottom of the form area, there are two blue, rounded rectangular buttons. The top button is labeled "REGISTER" and the bottom button is labeled "NEXT,BIND THE GATEWAY".

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### 3、 Add Gateway

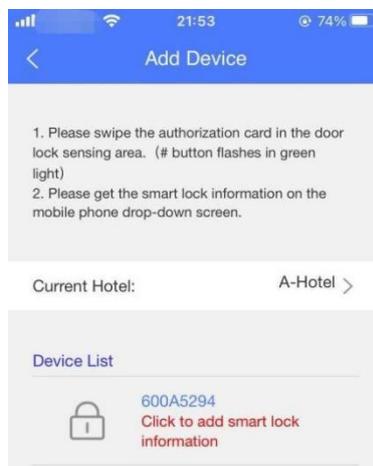
Each gateway has a QR code that can be added by clicking on the QR code. After the all the devices are completed, you can view the online status in the gateway list.



### 4、 Add Device

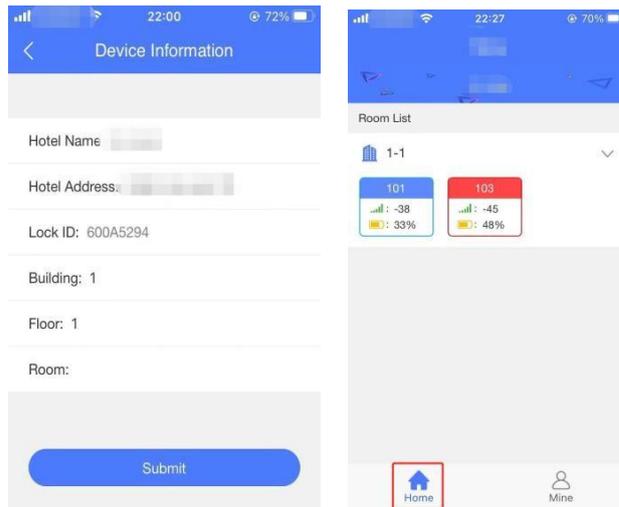
please swipe the **authorization card** in the door lock sensing area.(#button flashes in green light)

please get the smart lock information on the mobile phone drop-down screen.



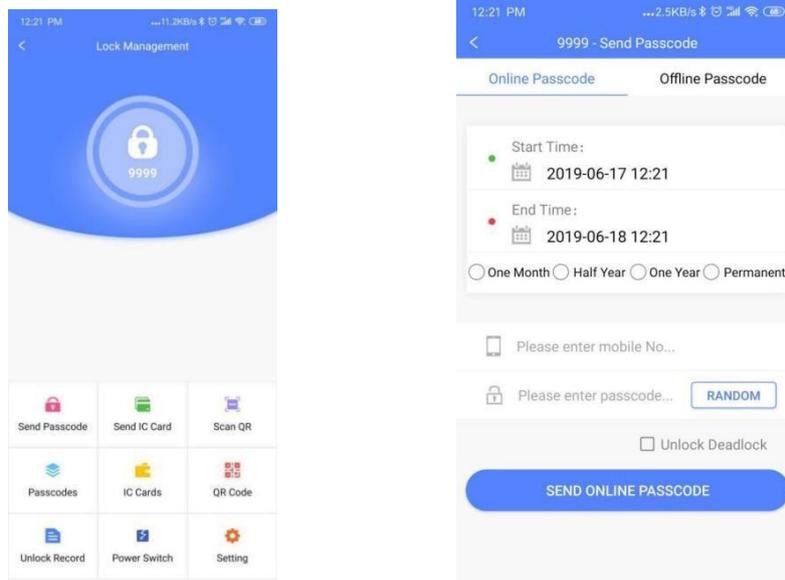
## 5 、 Set room list **With Management APP**

You will see the When you need to modify the current room information, you can modify the building, floor, room number and other information after entering the software setting interface. (if adding successfully, there will be sound on the lock), you will see the room list after the rooms are set.



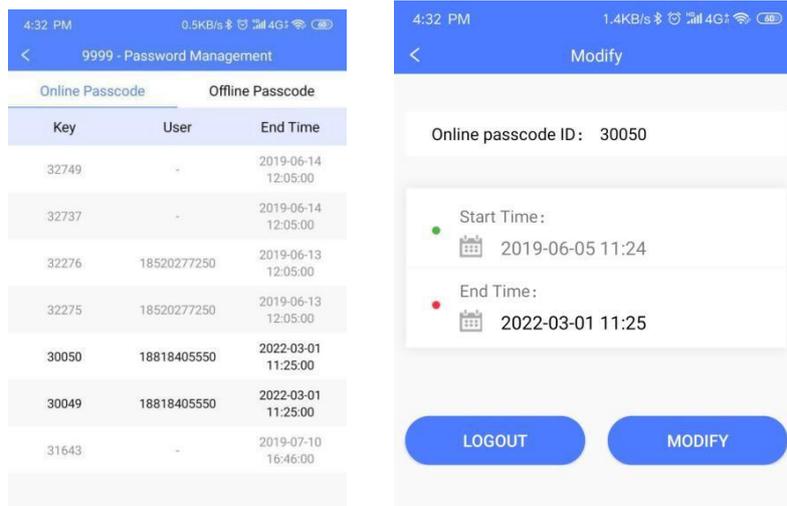
## 6 、 Send Pin-code (Only available when the lock has keypad)-**With Management APP**

Select the valid time period for the Pin-code and fill it in after the user's mobile phone. The Pin-code can be set by itself or randomly generated by the system.



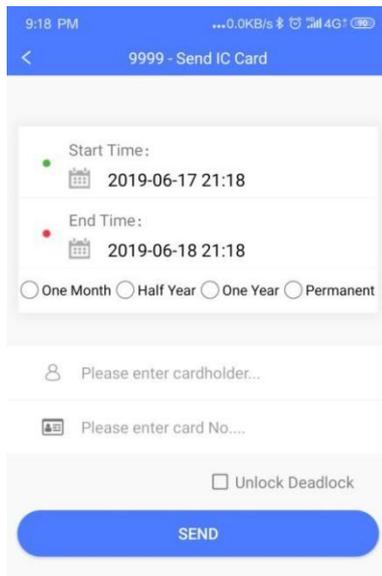
## 7、Pin-codes **With Management APP**

After the Pin-code is sent, you can use the Pin-code management function if you need to change the expiration date. After clicking the specific Pin-code, enter the modification interface and you can modify it.



## 8、Send IC Card **With Management APP**

Use the NFC-enabled mobile phone for card number reading. You can send an IC card by filling in the valid time.

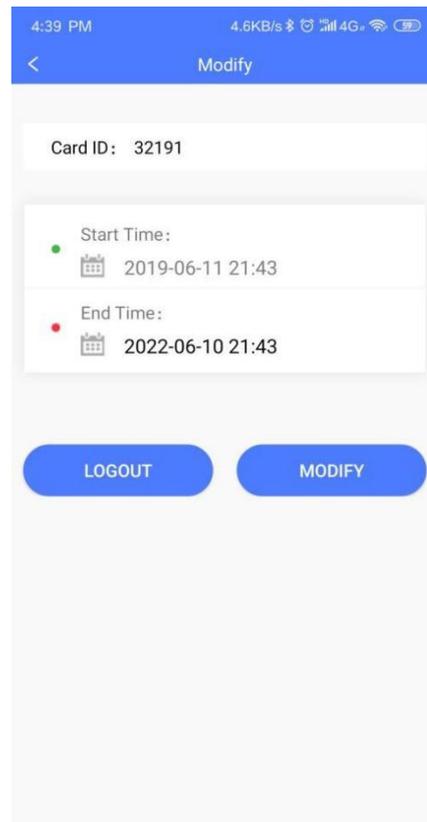


## 9、IC Cards **With Management APP**

When you need to modify the validity period of the IC card, click the specific card number to enter the modification interface, you can modify the card validity period. :



Card ID	User	End Time
A46666BC	-	2019-06-18 14:03:00
54F577BC	-	2019-06-17 22:03:00
e38eee89	邱嘉	2022-06-10 21:43:57
A46666BC	-	2019-06-12 12:05:00
d2029649	123	2019-06-11 21:05:26
54357dbc	-	2019-06-06 11:42:00
a4727cbc	仓库门及会议室取电开关	2022-03-01 11:21:00
e38eee89	邱嘉	2019-06-12 21:43:57



4:39 PM 4.6KB/s 4G+

< Modify

Card ID: 32191

Start Time: 2019-06-11 21:43

End Time: 2022-06-10 21:43

LOGOUT MODIFY

## B、PC Management System

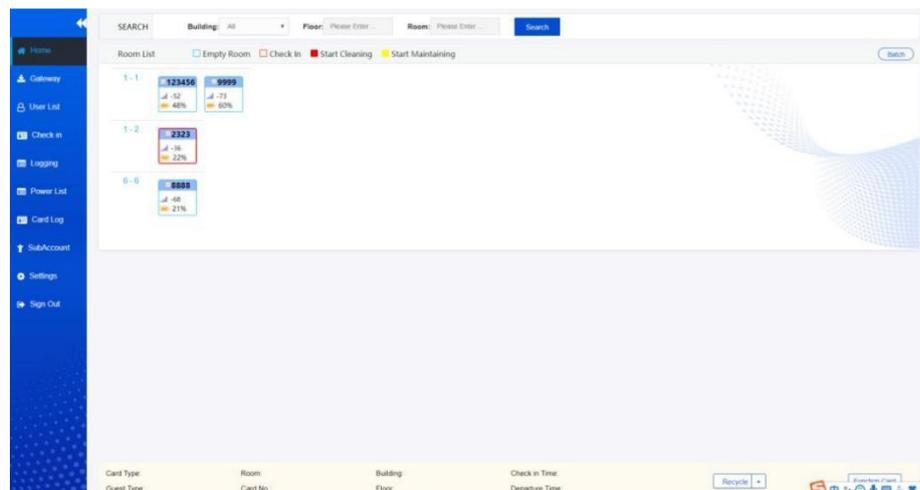
### 1. Turn on the DMS Protector

agt	2021/6/21 10:30	文件夹	
log	2021/7/9 14:00	文件夹	
logs	2021/8/9 19:27	文件夹	
CabinetNo	2021/5/19 15:09	文本文档	1 KB
DataBase.dll	2021/5/19 15:09	应用程序扩展	770 KB
<b>DMSProtector</b>	2021/5/19 15:09	应用程序	215 KB
ICSharpCode.SharpZipLib.dll	2021/5/19 15:09	应用程序扩展	196 KB
MakeCardServer	2021/5/19 15:10	应用程序	463 KB
MakeCardServer.exe	2021/5/19 15:10	XML Configurati...	1 KB
MakeCardServer.pdb	2021/5/19 15:10	PDB 文件	316 KB
Newtonsoft.Json.dll	2021/5/19 15:10	应用程序扩展	541 KB
Newtonsoft.Json.pdb	2021/5/19 15:10	PDB 文件	216 KB
Newtonsoft.Json	2021/5/19 15:10	XML 文档	541 KB
RestSharp.dll	2021/5/19 15:10	应用程序扩展	147 KB
RestSharp	2021/5/19 15:10	XML 文档	125 KB
Serilog.dll	2021/5/19 15:10	应用程序扩展	73 KB
Serilog.FullNetFx.dll	2021/5/19 15:10	应用程序扩展	31 KB
Serilog.FullNetFx.pdb	2021/5/19 15:10	PDB 文件	84 KB
Serilog.FullNetFx	2021/5/19 15:10	XML 文档	27 KB
Serilog.pdb	2021/5/19 15:10	PDB 文件	230 KB
Serilog	2021/5/19 15:10	XML 文档	129 KB
SnMakeCard.dll	2021/5/19 15:10	应用程序扩展	1,094 KB
sysconfig	2021/8/9 21:37	配置设置	1 KB
update	2021/5/19 15:10	配置设置	1 KB
websocket-sharp.dll	2021/5/19 15:10	应用程序扩展	244 KB

Turn on the DMS Protector

### 2. Software Login

Open the URL using **Google Chrome**: <https://dms.dmsiot.com>



### 3. Registration authorization card

Connect the card issuer and run the DMS card service in the background; click the list item on the left to select the current hotel and register the authorization card.

The screenshot shows a web interface for managing lock settings. On the left is a blue sidebar menu with items: User List, Check in, Logging, Keys List, Power List, Card Log, SubAccount, Settings (highlighted with a red box), and Sign Out. The main content area is divided into several sections: 1. A top section with a text input '1329580484' and 'Save' and 'Edit' buttons. 2. A 'Third-party Interface Information' section with 'SDK MANAGER' title, 'appid' and 'appsecret' input fields, and a 'Reset' button. 3. A 'Register Authorization Card' section with 'AUTHORIZATION CARD' title, 'Authorization Card No.: No Auth Info', 'Authorization Time: No Auth Info', and a 'Register' button (highlighted with a red box). 4. A 'WiFi Setting' section with 'WIFI SETTING' title, a 'WIFI LIST' dropdown, and a 'WIFI NAME' input field with a placeholder 'Custom wifi name, can be the same name as ssid'. 5. A 'CheckIn Setting' section with 'CHECKIN SETTING' title, 'Departure Time: 12:00', and 'GuestCard Setting: Disable Deadlock'.

### 4. Remote control

Remote unlocking: Perform remote unlocking operation and open the door lock directly. (no open anti-lock permission)

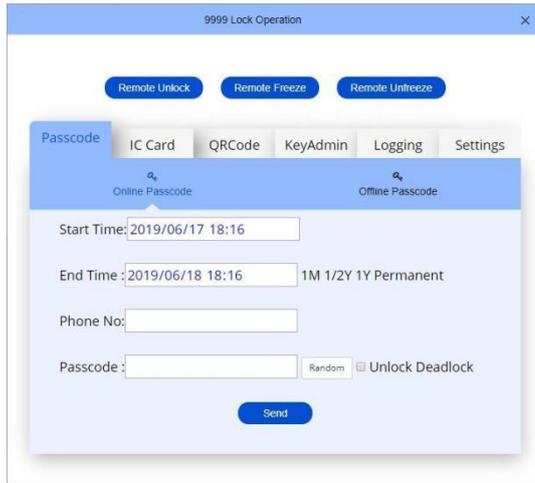
Remote freeze: locks the lock. After locking, all keys are not cleared but cannot be unlocked (key, Pin-code, card)

Remote unfreeze: unlock the lock, unlock the key before it is unlocked (key, Pin-code, card,)

The screenshot shows a blue notification bar at the top with the text '9999 Lock Operation' and a close button (X). Below the bar are three blue buttons: 'Remote Unlock', 'Remote Freeze', and 'Remote Unfreeze'.

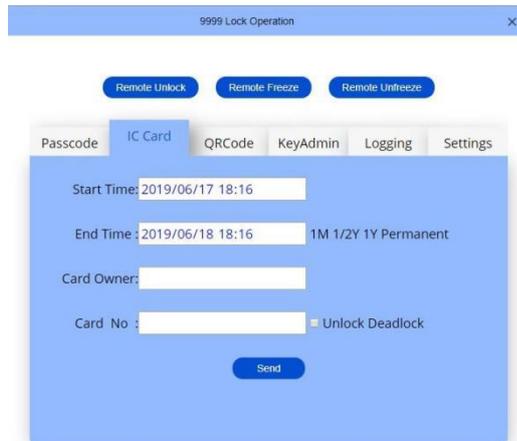
### 5. Pin-code (Only available when the lock has keypad)

Pin-code management includes online Pin-codes and offline Pin-codes. The online Pin-code needs to be sent remotely. The default is the current time to 24 hours after the next day. After the Pin-code is sent remotely, the feedback will be sent successfully. If there is a network failure in the door lock network, you can unlock it by sending an offline Pin-code. The offline Pin-code does not need to be sent to the lock. The Pin-code can be unlocked directly.

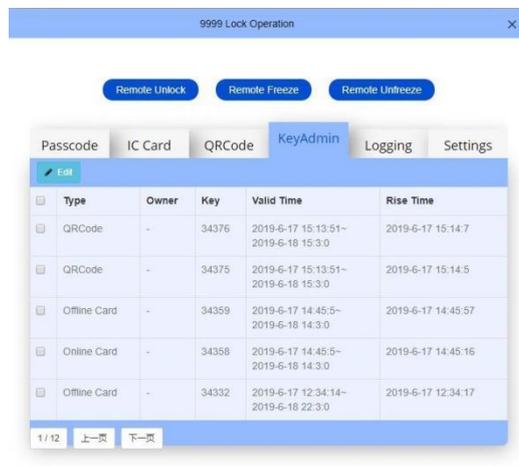


## 6. IC Card

Select the start time and end time of the card number, access the card issuer, and place the card on the card reader. The card number field will display the card number of the card. After clicking Send, you can unlock the corresponding door lock by the card.



## 7. Key Admin



## 8. Access Events

Room	Time	Type	Owner
9999	2019-06-17 07:51:32	Online password	18818405550
9999	2019-06-16 20:49:08	Online password	18818405550
9999	2019-06-16 20:49:08	Online password	18818405550
9999	2019-06-16 16:18:07	Online password	18818405550
9999	2019-06-16 09:31:16	Online password	18818405550
9999	2019-06-15 07:32:35	Online password	18818405550
9999	2019-06-14 10:49:51	Remote	admin
9999	2019-06-14 07:56:57	Online password	18818405550

## 9. Settings

The room information can be edited, the door lock can be deleted, the room can be deleted. if you delete the lock success and then the door lock will be restored to the factory mode

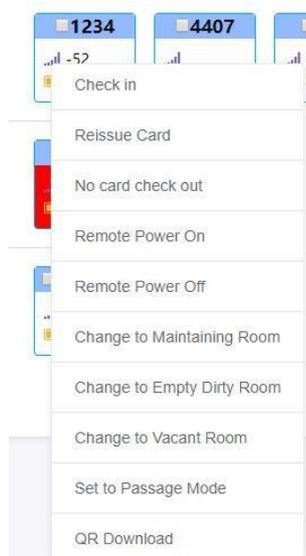
Building:

Floor:

Room:

## 10. Check In

Right-click on the room number and the settings box will pop up. Features include check-in, reissue room card, remote power on or power off (if equipped with power switch), set as maintenance room, set to empty room, set to empty room, set to normally open mode and door lock QR code download option



### 10.1. Check In: (Must be authorized to register the card and the DMS card service software is running in the background)

Check in

Guest Bill  Guest Type   Reservation

Guest Name  Charge Type  Reserved Days   Can open deadlock

Voucher Type  ID No.  Check in Time  Departure Time

Guest Room Information

	Room No.	Card Number	Room Type	Building	Floor	Remark
1	1234	1	Default	1	1	

Total Quantity: 1 Red font: Room has been reserved!

The number of cards issued can be modified

**Offline card:** Check in with the card when the gateway is online or not

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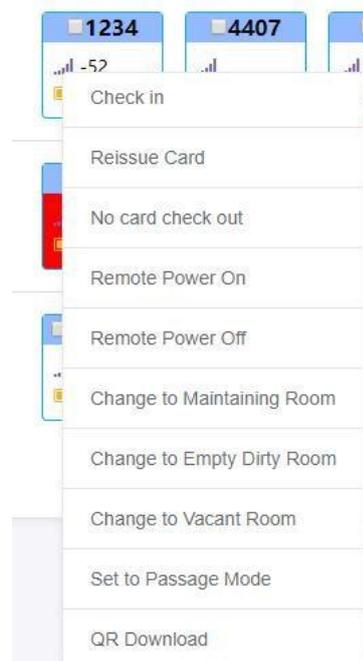
(recommended to use this method to check in)

**Online card:** Send the card number to the door lock through the gateway, the gateway must be online

**Password:** Send the password to the door lock through the gateway, the gateway must be online

### 10.2. Reissue card

Select the need to replenish the card / report the room, right click to reissue the room card, if you choose to replace the front card, use the card to swipe the card on the door lock, then the card will replace all valid room cards issued before. If you choose not to replace the front card, the valid room card issued before can continue to be used.



**10.3. No card check out:** Remotely check-out the room if you do not have the card (needs network);

**10.4. Power take-off switch (hotel support):** remote power transmission and remote power transmission function for remote control of the power switch scene;

**10.5. Room type:** The room can be divided into three modes: maintenance room, empty room, and empty room. The mode of empty room can be used for room check-in;

**10.6. Set to normal open mode:** This function is normally open. After setting this mode successfully, the door can enter the normally open mode after entering the Pin-code in the door lock;

## 11. Gateway



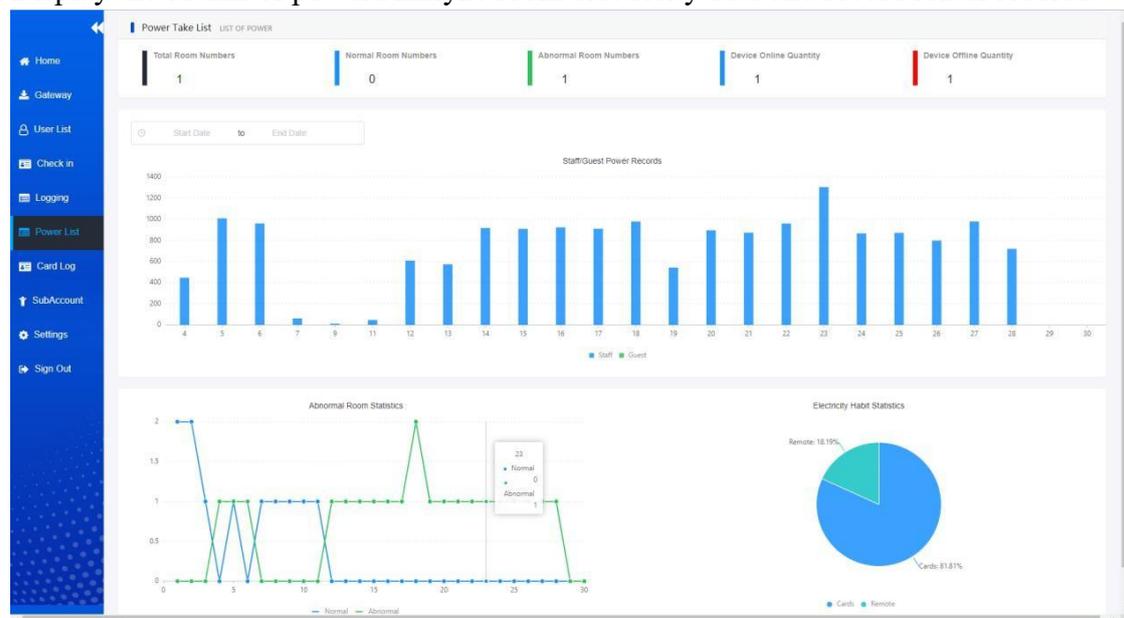
No.	Gateway ID	Gateway Name	Gateway Status
1	111FD0A054D5733327501943	8088	Online
2	201FD0054C5033841401943	12345	Online

## 12. Access event

Display all operating events after you unlock the doors in about 30 minutes.

## 13. Power List

Display the details of power. Analyze room electricity data and record rental records.



Abnormal room description: If the room is not registered, but the switch is powered for more than 1 hour, the system determines that the room is abnormal.



#### 14. Sub Account:

After setting the sub-account, the sub-account login name is: primary account: sub-account.

For example: main account: abcde, sub-account: 001. Then the sub-account login account is <abcde: 001 >

Subaccount List LIST OF SUBACCOUNTS

No.	Account	Sub Account	Operate
1	1	test1	
2	1	gzthss1	
3	1	1234	
4	1	znks	
5	1	ad1234	
6	1	123123123	
7	1	joe	
8	1	001	

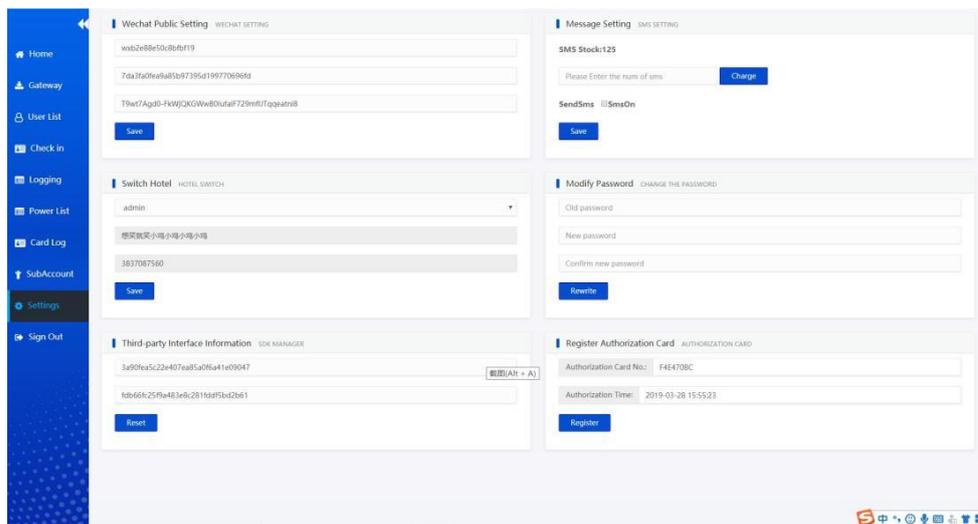
Add Subaccount ADD SUBACCOUNTS

Sub Account Name:

Sub Account Pass:

All  AddLock  DelLock  Remote Unlock  SendPassCode  SendCard  SendQrcode  UnValidKey  RemoteValid  RemoteUnlock  EmergencyPasscode  HighPrivilege  RoomInfo Edit

## 15. Settings



**Hotel (Apartment) switch:** If an account corresponds to multiple hotels, you can switch between the hotel (apartment) switch list to view and operate the information of each hotel (apartment).

## 16. How to reset to the factory setting

Keep pressing the reset button for about 10s, during the 10s, first you will hear one beep, and blue LED light will be flashing, then you will hear a music, means the lock is reset.



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## **17. API for the third part software development**

### **API file link:**

<http://dms.dmsiot.com/doc/restapi.html>

### **API user manual:**

<http://dms.dmsiot.com/doc/%E7%AC%AC%E4%B8%89%E6%96%B9%E6%8E%A5%E5%8F%A3%E4%BD%BF%E7%94%A8%E8%AF%B4%E6%98%8E.html>