



# 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 for 'Smart Living'.

**Left Screenshot (Register Account):**

- Header: 12:12 PM, 0.0KB/s, status icons, and a blue bar with a back arrow and the title 'Register'.
- Title: 'Register Account'.
- Form Fields:
  - Text input: 'Please enter your email address'.
  - Text input: 'Please enter passcode'.
  - Text input: 'Please enter passcode again'.
- Buttons:
  - 'Validate code' (text button).
  - 'GET CODE' (text button).
  - 'REGISTER' (large blue button).

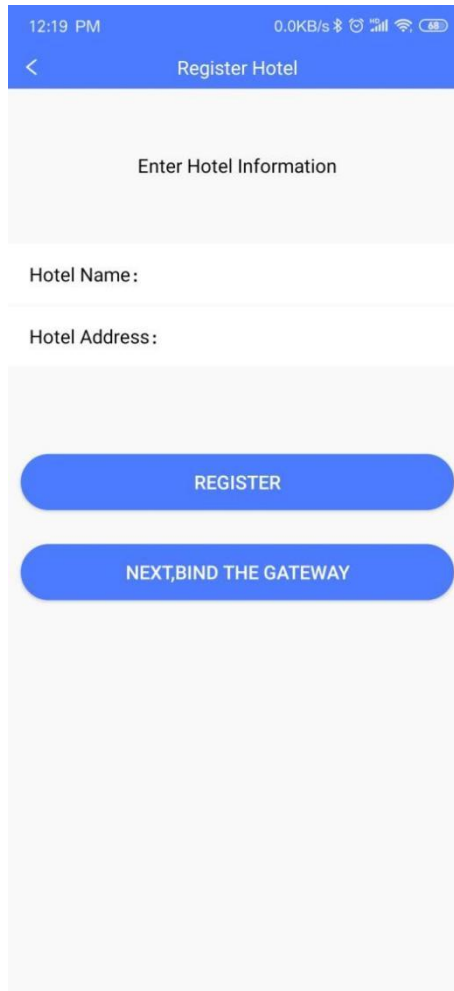
**Right Screenshot (Login):**

- Header: 12:13 PM, 2.0KB/s, status icons, and a blue bar with a back arrow and the title 'Login'.
- Logo: '— 司马智任 — SMART LIVING'.
- Form Fields:
  - Text input with email icon: 'Email'.
  - Text input with lock icon: 'Passcode'.
- Checkbox: 'Remember passcode' (checked).
- Buttons:
  - 'LOGIN' (large blue button).
  - 'No account? Sign up Now' (text link).
  - 'Forget Passcode' (text link).

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## 2、Registered hotel

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

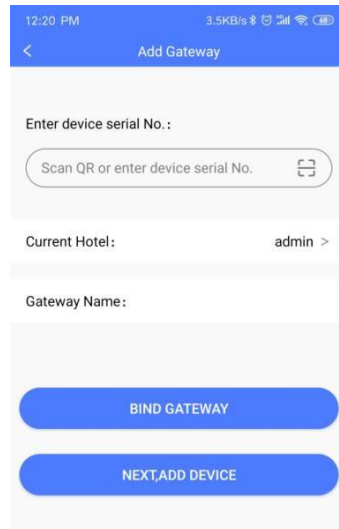


The screenshot shows a mobile application interface for registering a hotel. At the top, a blue header bar contains the time '12:19 PM', network status '0.0KB/s', and battery level '68%'. Below the header, a blue bar with a back arrow and the text 'Register Hotel' is visible. The main content area has a light gray background with the text 'Enter Hotel Information' centered. Below this, there are two input fields: 'Hotel Name:' and 'Hotel Address:'. At the bottom, there are two blue buttons with white text: 'REGISTER' and 'NEXT,BIND THE GATEWAY'.

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### 3、Add Gateway

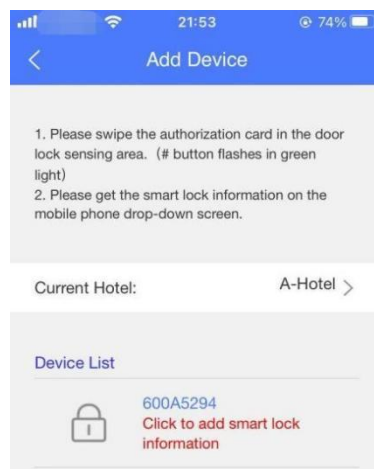
Each gateway has a QR code that can be added by clicking on the QR code. After the all the devices are completed, you can view the online status in the gateway list.



### 4、Add Device

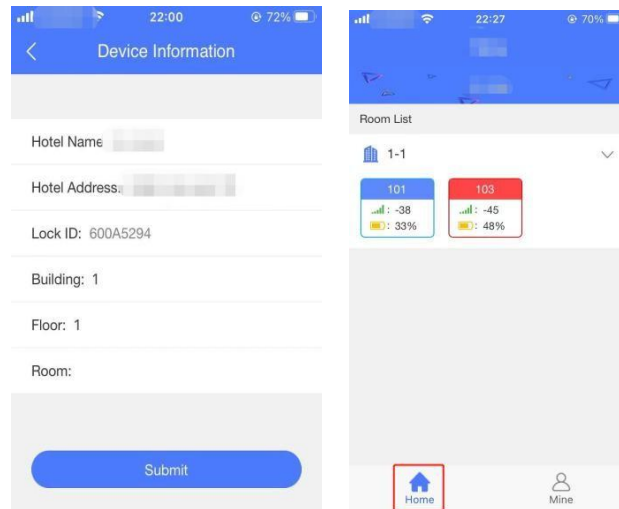
please swipe the **authorization card** in the door lock sensing area.(#button flashes in green light)

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



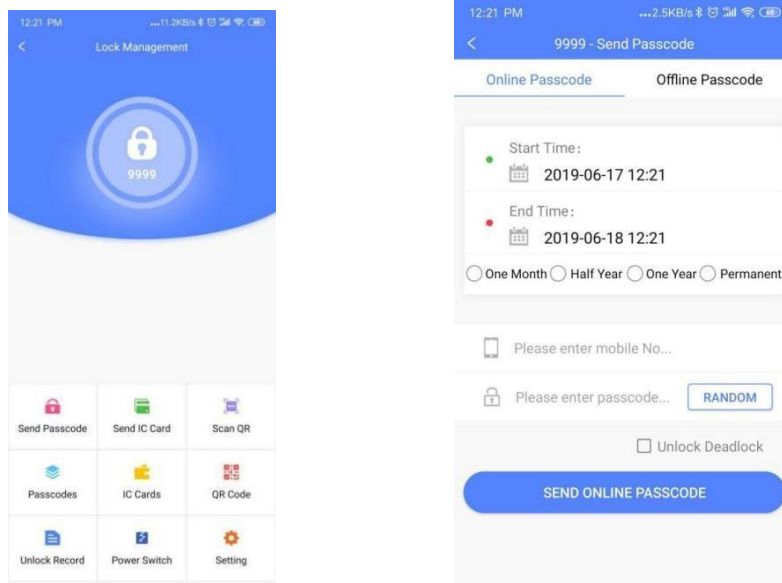
## 5 、 Set room list **With Management APP**

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**

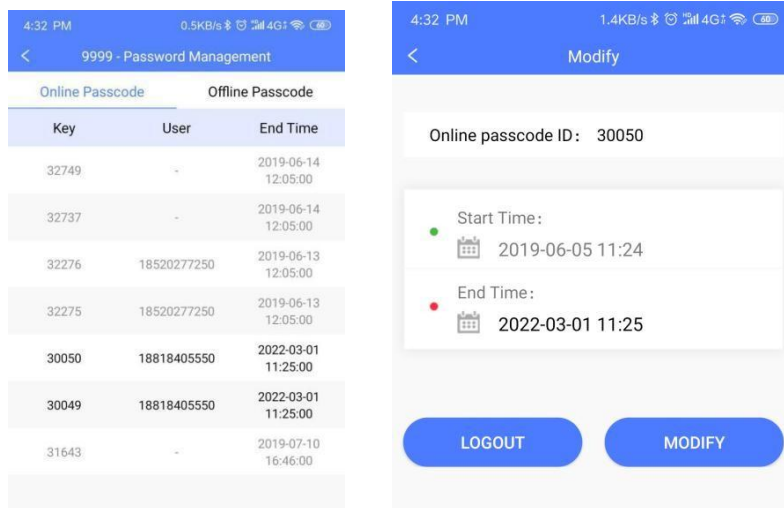
Select the valid time period for the Pin-code and fill it in after the user's mobile phone. The Pin-code can be set by itself or randomly generated by the system.



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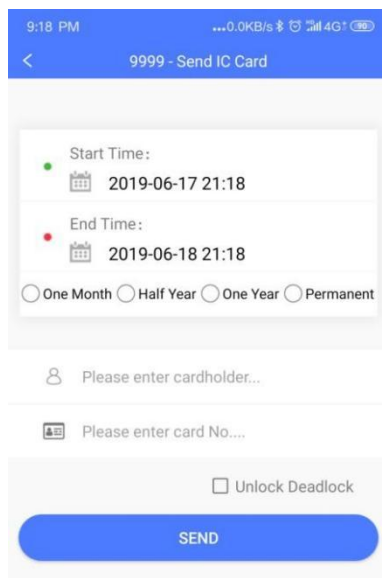
## 7、Pin-codes **With Management APP**

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.



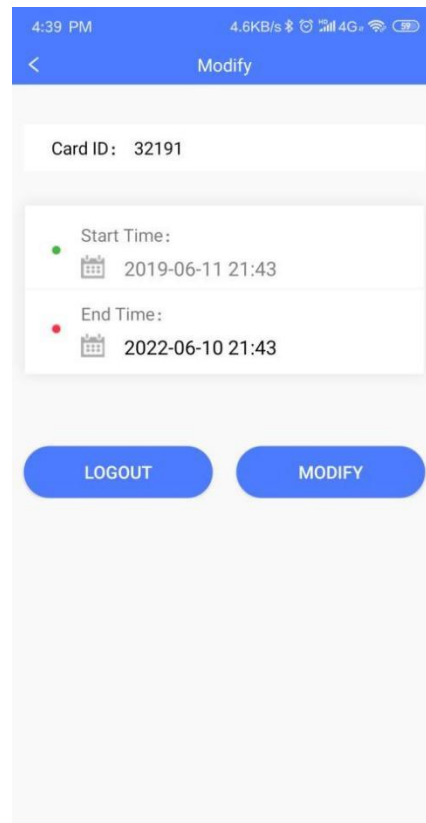


## 9、IC Cards **With Management APP**

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
54F577BC	-	2019-06-17 22:03:00
54F577BC	-	2019-06-17 22:03:00
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

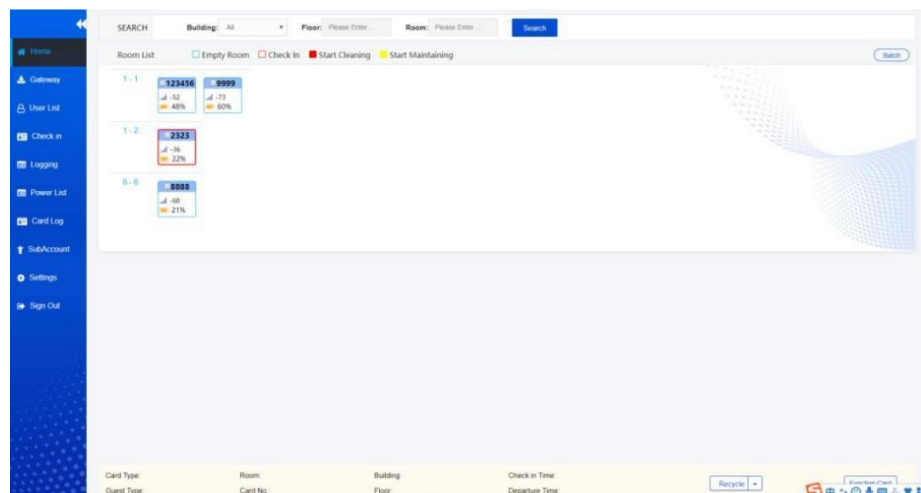
### 1. Turn on the DMS Protector

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
DMSProtector	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 配置...	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 hotel management. On the left is a blue sidebar with menu 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 has a top header with a user ID '1329580484' and buttons 'Save' and 'Edit'. Below this is a section titled 'Third-party Interface Information' with fields for 'appid' and 'appsecret', and a 'Reset' button. To the right of this section is a 'Register Authorization Card' section, which is highlighted with a red box. It contains a 'Confirm new password' field with a 'Rewrite' button, and fields for 'Authorization Card No.:' and 'Authorization Time:', both showing 'No Auth Info'. A 'Register' button is also highlighted with a red box. Below the 'Third-party Interface Information' section is a 'WiFi Setting' section with a 'WIFI LIST' dropdown and a 'WIFI NAME' field with a placeholder text 'Custom wifi name, can be the same name as ssid'. To the right of the 'WiFi Setting' section is a 'CheckIn Setting' section with a 'Departure Time' field set to '12:00' and a 'GuestCard Setting' field set to '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 confirmation message '9999 Lock Operation' in a blue box with a close button 'X'. Below the message 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.

9999 Lock Operation

Remote UnlockRemote FreezeRemote Unfreeze

PasscodeIC CardQRCodeKeyAdminLoggingSettings

Online PasscodeOffline Passcode

Start Time:2019/06/17 18:16

End Time:2019/06/18 18:161M 1/2Y 1Y Permanent

Phone No:

Passcode:RandomUnlock Deadlock

Send

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.

9999 Lock Operation

Remote UnlockRemote FreezeRemote Unfreeze

PasscodeIC CardQRCodeKeyAdminLoggingSettings

Start Time:2019/06/17 18:16

End Time:2019/06/18 18:161M 1/2Y 1Y Permanent

Card Owner:

Card No :Unlock Deadlock

Send

7. Key Admin

9999 Lock Operation

Remote UnlockRemote FreezeRemote Unfreeze

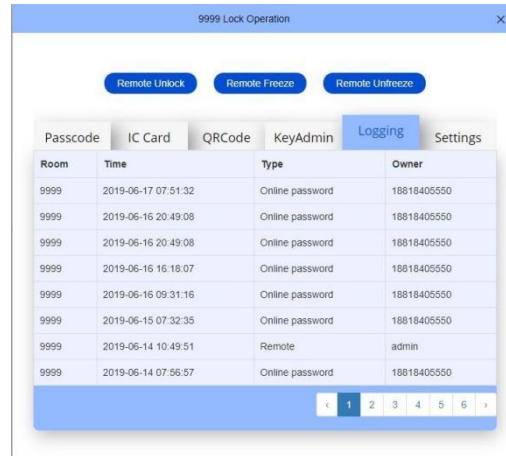
PasscodeIC CardQRCodeKeyAdminLoggingSettings

Edit

<input type="checkbox"/>	Type	Owner	Key	Valid Time	Rise Time
<input type="checkbox"/>	QRCode	-	34376	2019-6-17 15:13:51~ 2019-6-18 15:3:0	2019-6-17 15:14:7
<input type="checkbox"/>	QRCode	-	34375	2019-6-17 15:13:51~ 2019-6-18 15:3:0	2019-6-17 15:14:5
<input type="checkbox"/>	Offline Card	-	34359	2019-6-17 14:45:5~ 2019-6-18 14:3:0	2019-6-17 14:45:7
<input type="checkbox"/>	Online Card	-	34358	2019-6-17 14:45:5~ 2019-6-18 14:3:0	2019-6-17 14:45:16
<input type="checkbox"/>	Offline Card	-	34332	2019-6-17 12:34:14~ 2019-6-18 22:3:0	2019-6-17 12:34:17

1 / 12 上一页 下一页

## 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



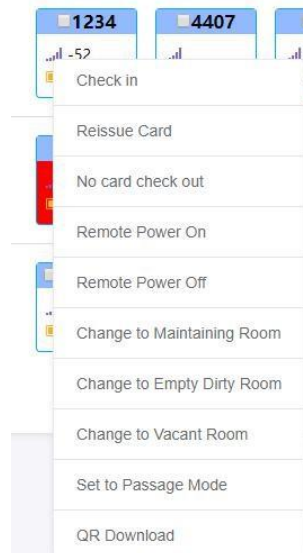
Building:

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

Individual Guest

Reservation

☐

Guest Name

Charge Type

Whole-day Room

Reserved Days

1

Can open deadlock

☒

Voucher Type

ID Card

ID No.

Check in Time

2019-10-23 11:20:57

Departure Time

2019-10-24 14:00:00

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!

Add Room

Delete

Phone

Password

Online Card

Offline Card

Close

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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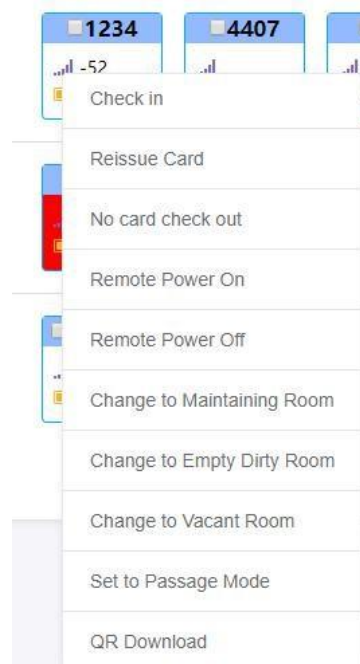
(recommended to use this method to check in)

**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



The screenshot shows a web interface for 'Gateway List'. On the left is a sidebar with 'Home', 'Gateway', and 'User List'. The main area has a 'Gateway List' header with 'Add' and 'Delete' buttons. Below is a table with columns: No., Gateway ID, Gateway Name, and Gateway Status.

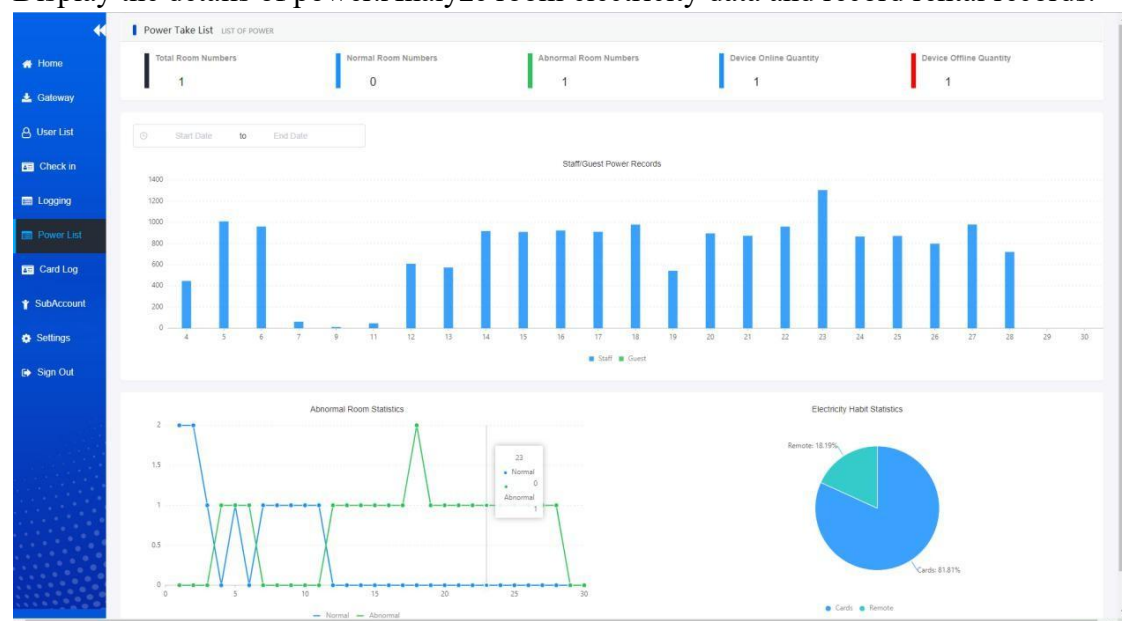
No.	Gateway ID	Gateway Name	Gateway Status
1	111FD0A054D5735327501943	NR08	Online
2	201FD0054C50353841401943	12345	Online

## 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

Add

## 15. Settings

The screenshot displays a web-based settings interface with a blue sidebar on the left containing navigation links: Home, Gateway, User List, Check in, Logging, Power List, Card Log, SubAccount, Settings (highlighted), and Sign Out. The main content area is divided into six panels:

- Wechat Public Setting** (WECHAT SETTING): Includes input fields for wxid2e8b50c8b6f19, 7da3fa0fea8a5b7395d19970696d, and T9w7Agd0-F4WjQKGWw8Dufaf729mfiTqgeam8, with a Save button.
- Message Setting** (SMS SETTING): Shows SMS Stock:125, a field for 'Please Enter the num of sms' with a Charge button, and a SendSms / SMSOn toggle with a Save button.
- Switch Hotel** (HOTEL SWITCH): Features a dropdown menu with 'admin' selected, a text field with '想哭就哭小海小海小海小海', and a numeric field with '3837087560', with a Save button.
- Modify Password** (CHANGE THE PASSWORD): Includes fields for Old password, New password, and Confirm new password, with a Reset button.
- Third-party Interface Information** (SDK MANAGER): Shows two long alphanumeric strings and a button labeled '截图(Alt + A)', with a Reset button.
- Register Authorization Card** (AUTHORIZATION CARD): Includes fields for Authorization Card No.: F4E470BC and Authorization Time: 2019-03-28 15:55:23, with a Register button.

At the bottom right of the interface, there are icons for various system functions.

**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>