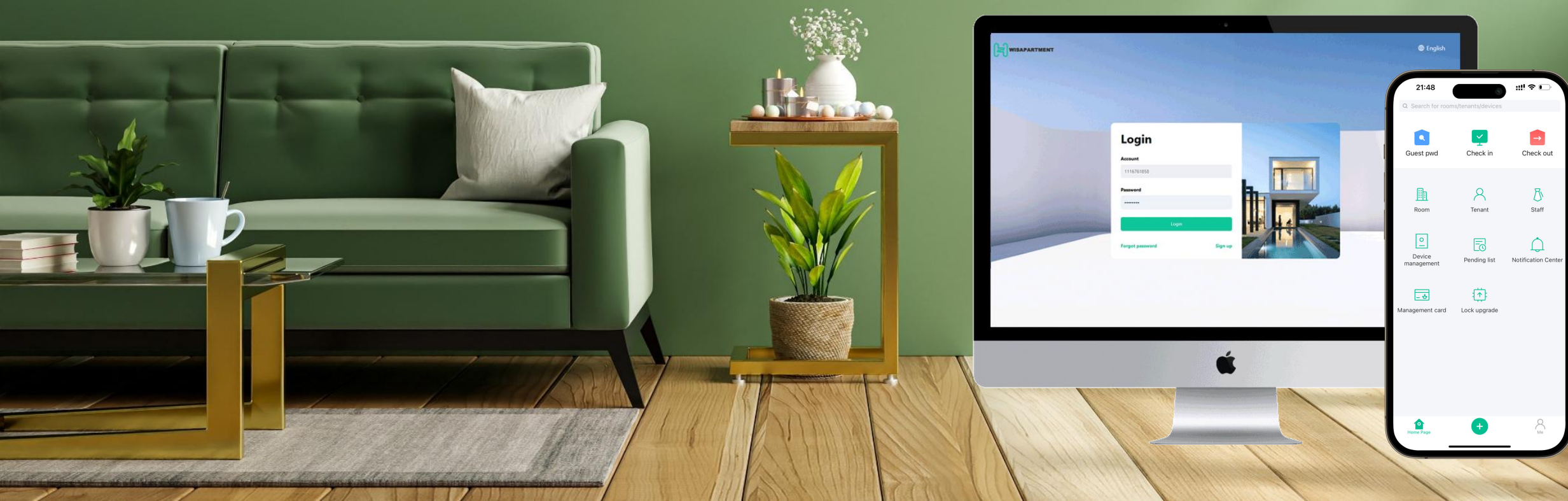


LDRenting APP/PC

Operation Manual Instructions



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 **INTRODUCTION**

 **APP PROCESS**

 **APP FUNCTION**

 **PC PROCESS**

 **PC FUNCTION**

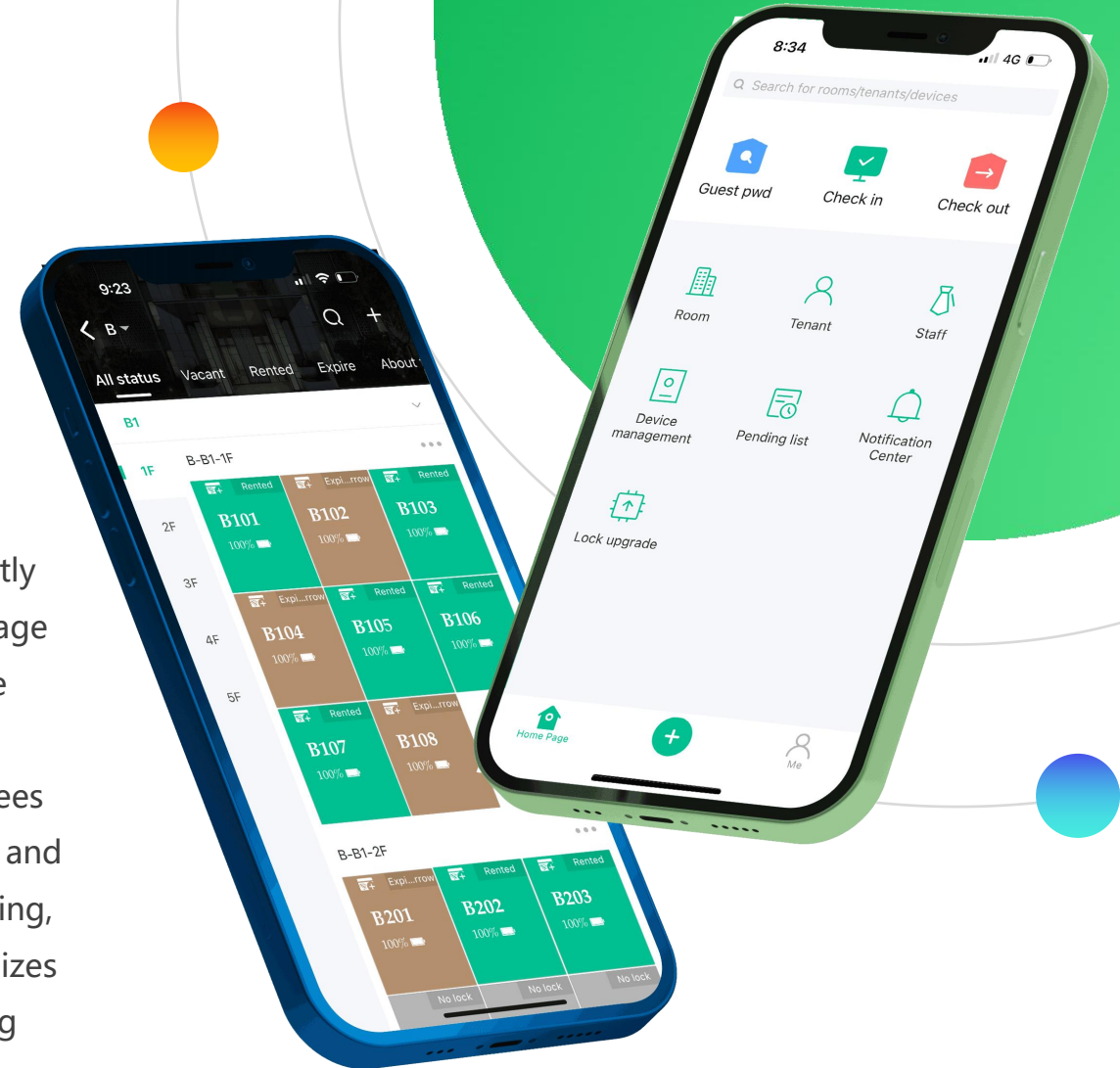
INTRODUCTION

01-Introduction to LDRenting APP



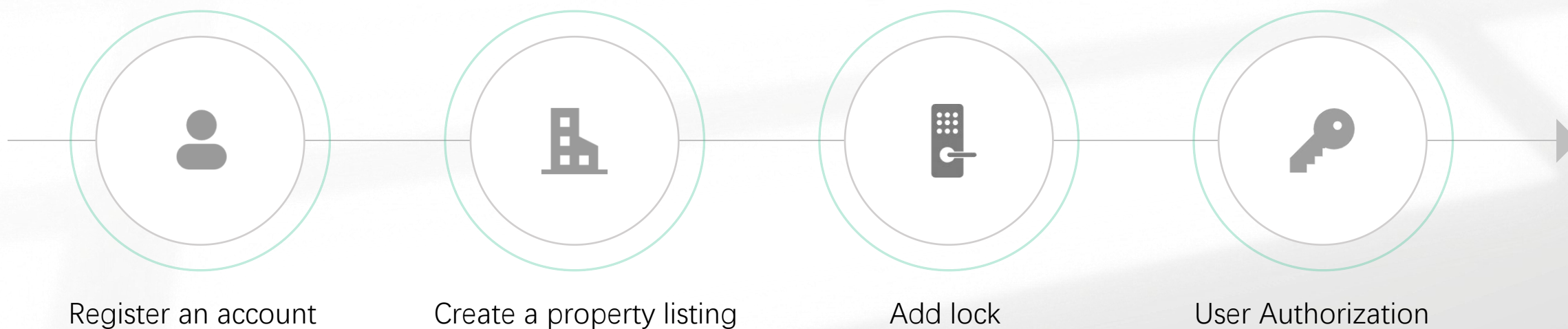
LDRenting

The LDRenting app is developed for apartment operators to manage directly through a mobile platform. With the LDRenting app, you can directly manage property listings, tenant management, equipment management, employee (concierge) management, custom authorization, offline authorization, and more. It supports the assignment of management permissions for employees to management floors/buildings, different menus for different employees, and is compatible with various hardware to suit different types of lock networking, optimizing property management and permission distribution. It synchronizes in real-time with the LDRenting computer management platform, achieving convenient management through multi-system linkage.



APP PROCESS

02-APP Basic Process



APP FUNCTION

03-APP main functions Software installation

1

Scan the QR code below to download
"LDRenting APP"



2

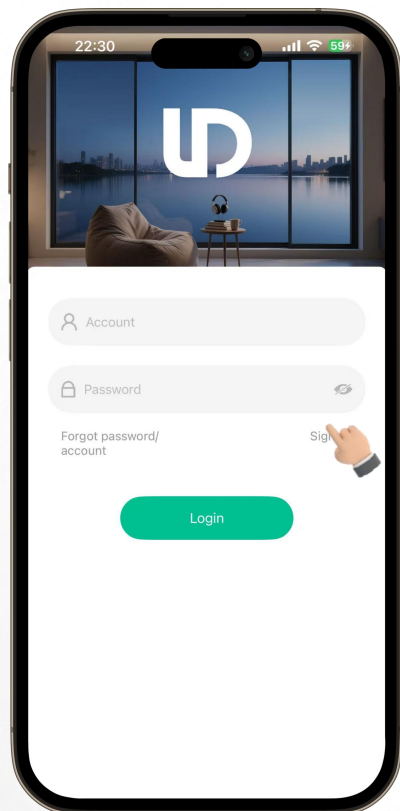
Apple users can search for "LDRenting" through the
appstore to download and install

Android mobile phone users can search for
"LDRenting" through major Android application
markets (App Store, Xiaomi App Market, Huawei App
Market, Baidu Mobile Assistant, 360 Mobile Assistant,
etc.) to download and install

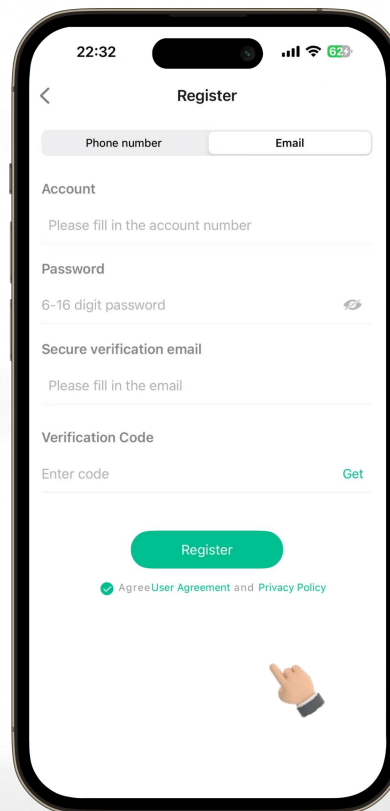


APP FUNCTION

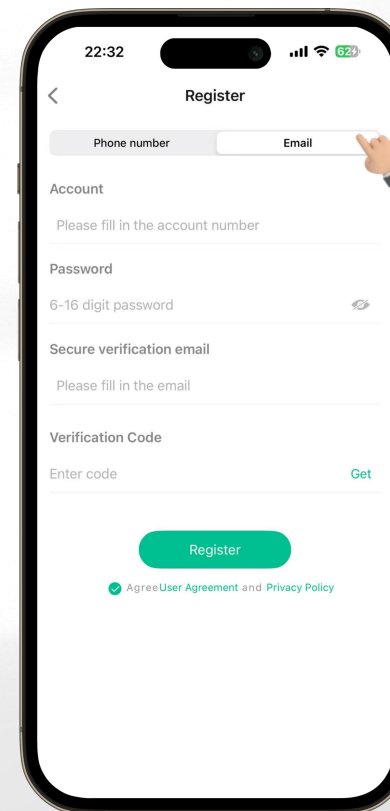
03-APP main functions User Registration



01. Click "New User Registration"



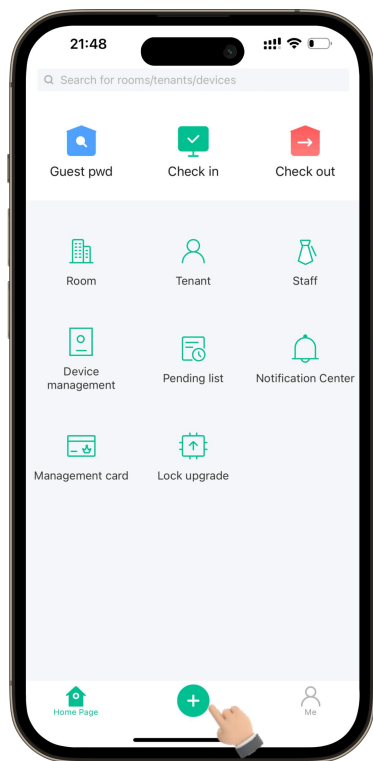
02. Enter your account, password, fill in your phone number to receive the verification code, then click register.



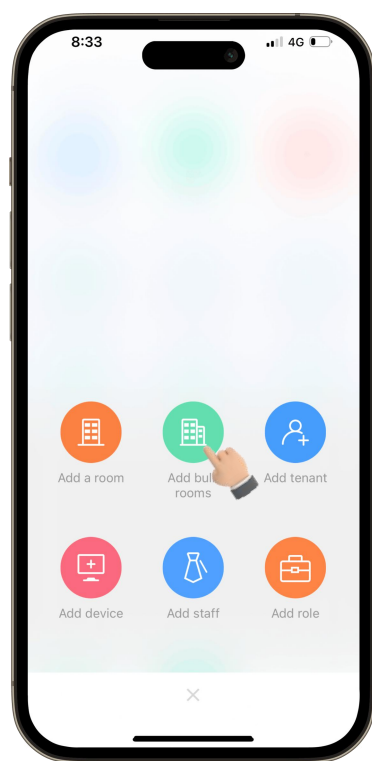
03. Click "Email Registration", and you can also use your email account to register

APP FUNCTION

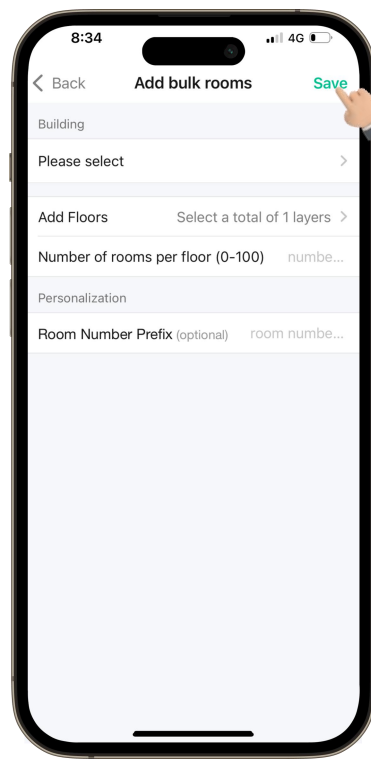
03-APP main functions Create a listing



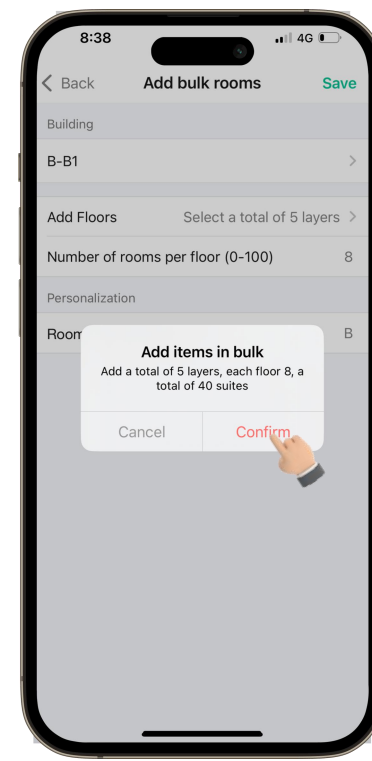
01. Click "+"



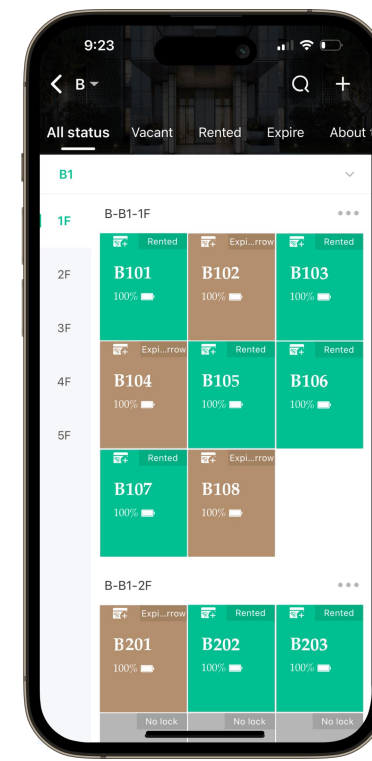
02. Select "Add Rooms in Batch"



03. Fill in the building information, select the room number prefix, and click "Save" after filling in.



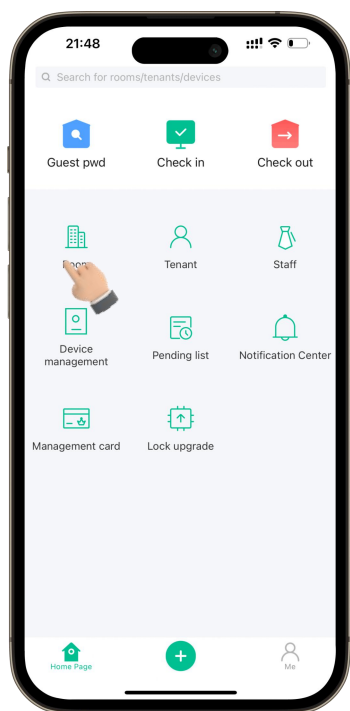
04. Click "Confirm"



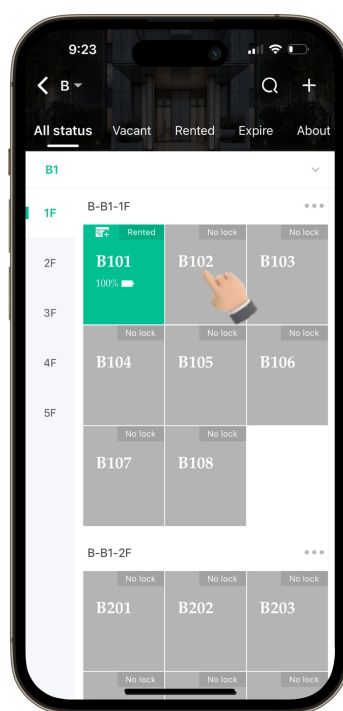
After returning to the home page, click "Housing" to see the created rooms.

APP FUNCTION

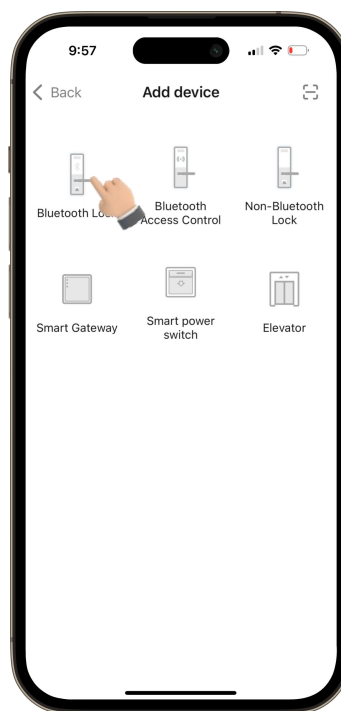
03-APP main functions Add a door lock



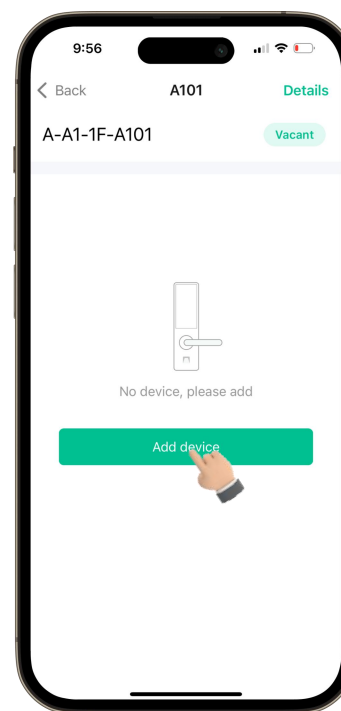
01. Click "Room"



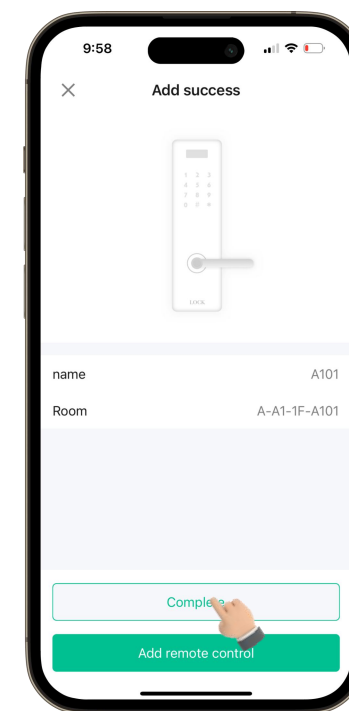
02. Click No lock Room



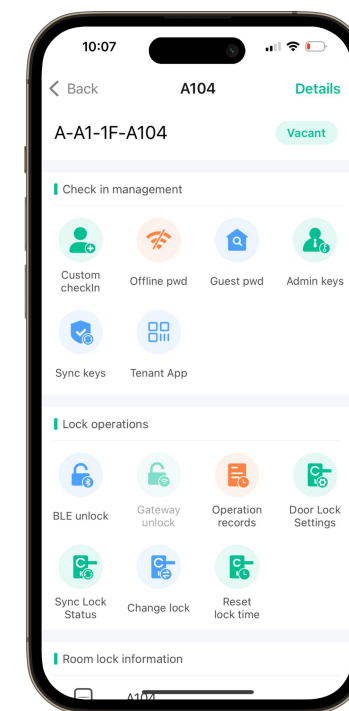
03. Click "Bluetooth Smart Lock"



04. Click device



05. Add complete

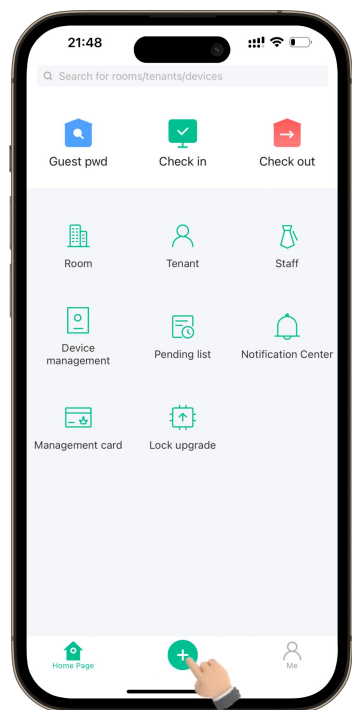


06. Enter the room details page.

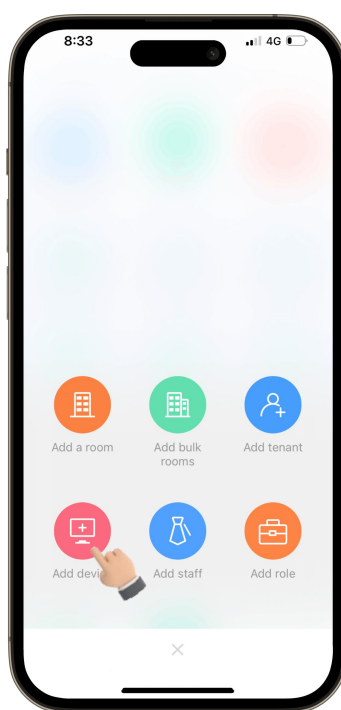
Note: The added door lock must be associated with the room, otherwise the specific business cannot be used. The above operation can also be clicked [House] to enter the room state diagram, and then click the room without door lock installed to quickly add and associate the door lock

APP FUNCTION

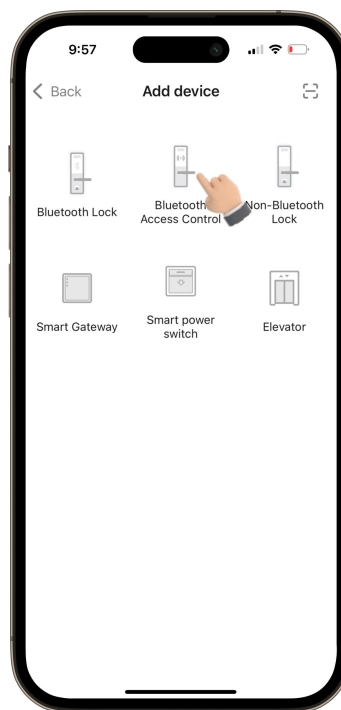
03-APP main functions Add access control



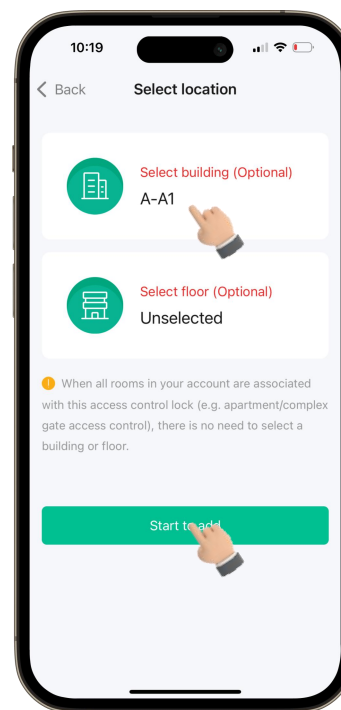
01. Click
"+"



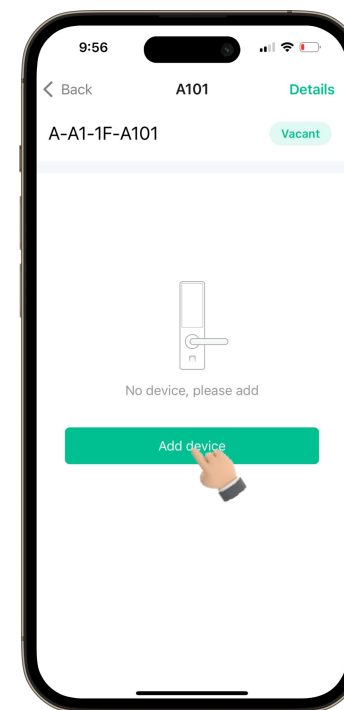
02. Click "Add
Device"



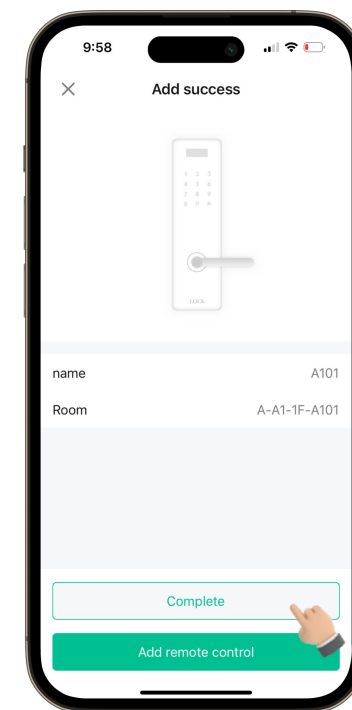
03. Click "Bluetooth
Smart Access Control"



04. Select the
access control
installation location



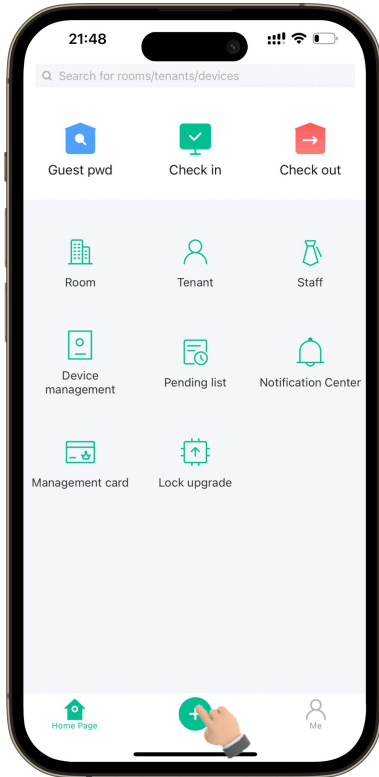
05. Add access
control according
to the prompts



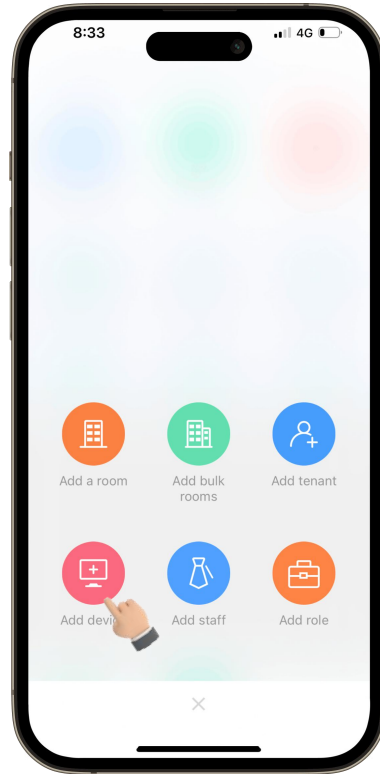
06. Add
complete

APP FUNCTION

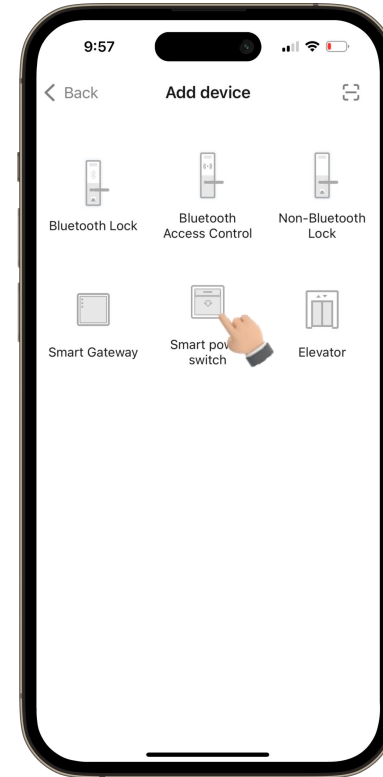
03-APP main functions Add power switch-1



01. Click "+"



02. Click "Add Device"



03. Click "Smart Power Switch"



04. Select the room number

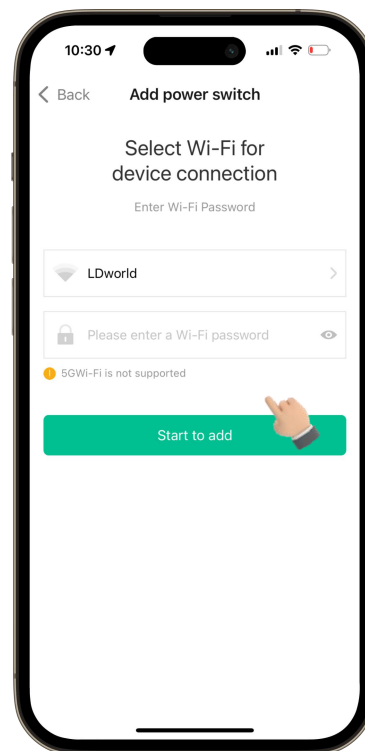
Note: The power switch only supports wifi network distribution, and wifi only supports 2.4 G wifi

APP FUNCTION

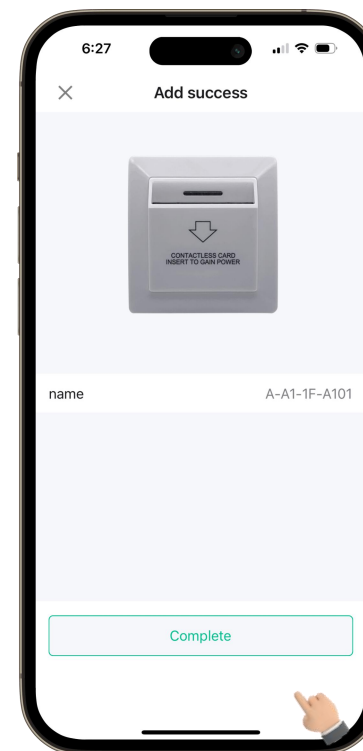
03-APP main functions Add power switch-2



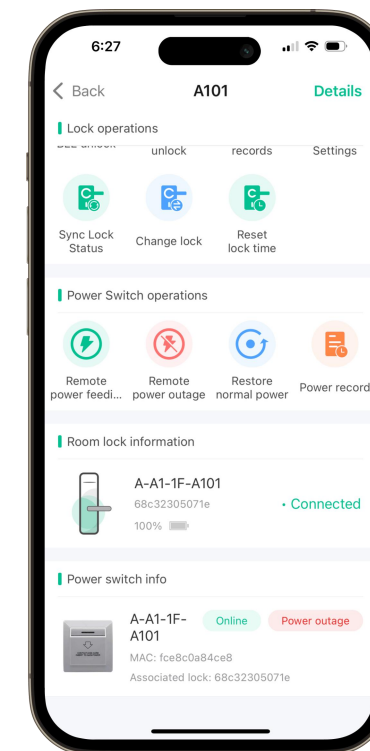
05. Press and hold the initialization button according to the prompts



06. Enter wifi name and password (only 2.4 G is supported)



07. Add complete

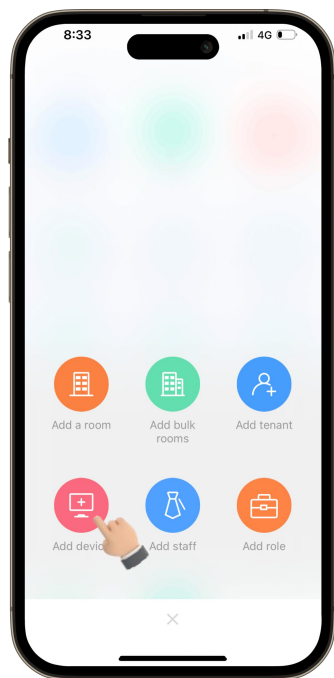


08. Implement remote functions such as reverse lock power supply, card extraction power supply, and remote power on/off.

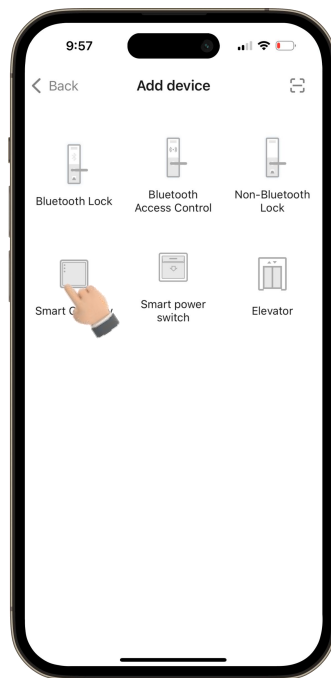
Note: Only the offline card made by the card issuer on the pc side of Apartment can be used to insert the card to withdraw electricity, and the custom check-in card cannot be used to withdraw electricity;

APP FUNCTION

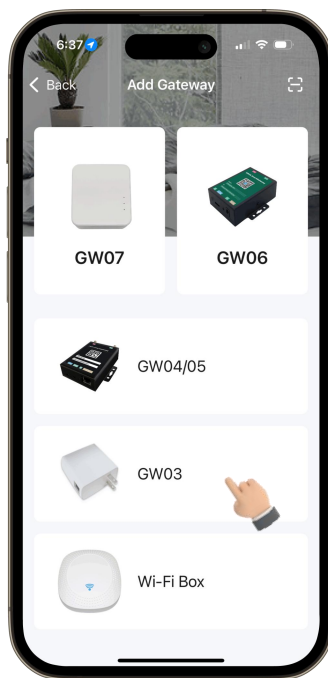
03-APP main functions Add GW03 Gateway (Bluetooth Gateway)



01. Click "Add Device"



02. Select "Smart Gateway"



03. Select "GW03"



04. Scan the QR code on the gateway



05. Press and hold the initialization key to enter initialization status, the indicator light will flash, then click Next.

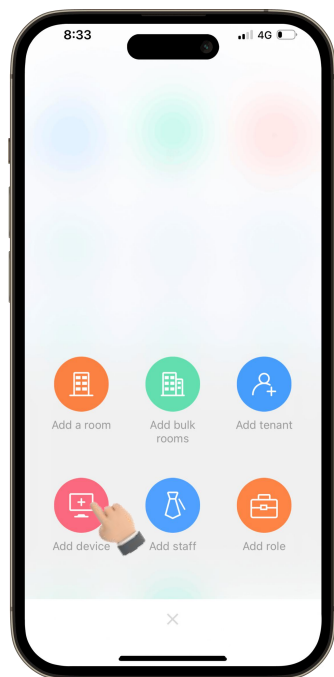


06. Add complete

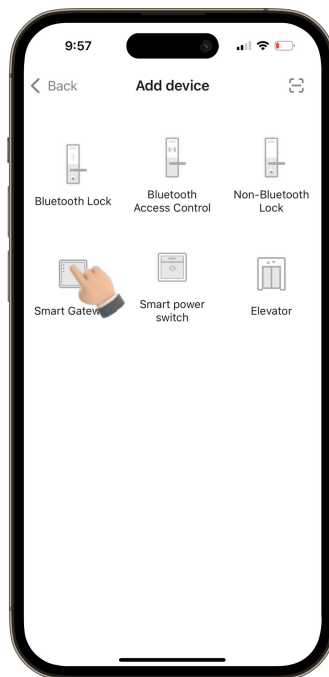
Note: The added gateway must be plugged into a network cable, and the indicator light of the gateway will always be on blue after the network cable is plugged in, otherwise it cannot be added successfully.

APP FUNCTION

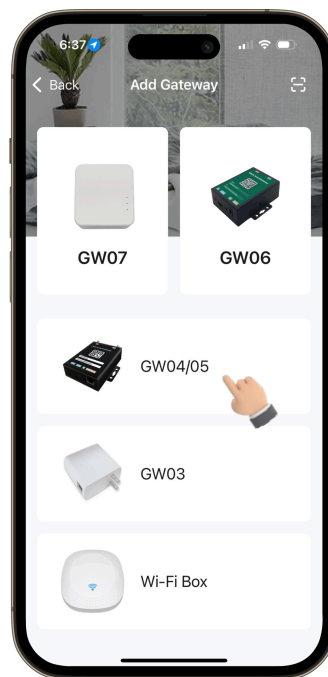
03-APP main functions Add GW04/05 Gateway



01. Click "Add Device"



02. Select "Smart Gateway"



03. Select "GW04/05"



04. Scan the QR code on the gateway



05. Press and hold the initialization key to enter initialization status, the indicator light will flash, then click Nex

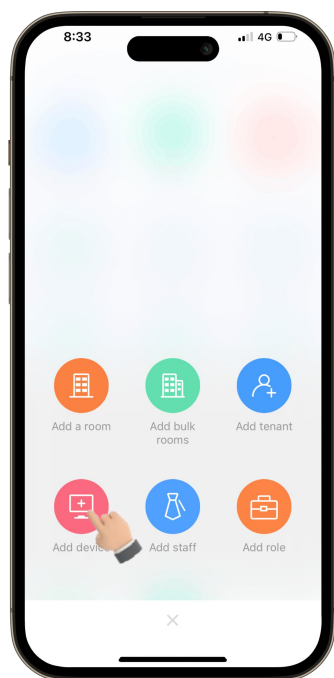


06. Add complete

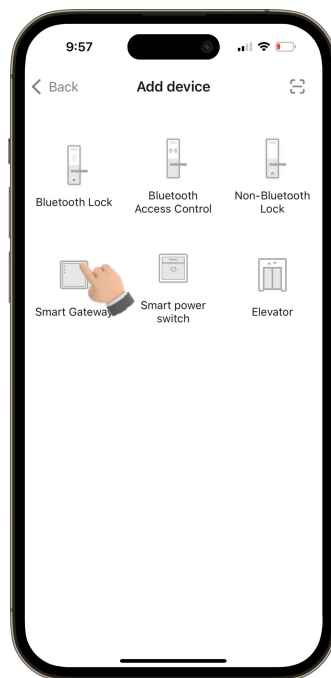
Note: The added gateway must be plugged into a network cable, and the indicator light of the gateway will always be on blue after the network cable is plugged in, otherwise it cannot be added successfully.

APP FUNCTION

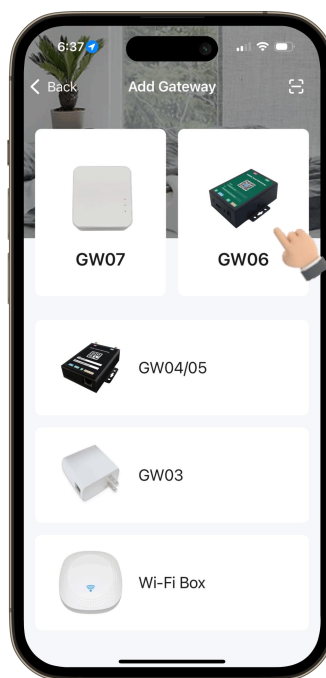
03-APP main functions Add GW06 Gateway (4G Gateway)



01. Click "Add Device"



02. Select "Smart Gateway"



03. Selects "GW06"



04. Scan the QR code on the gateway



05. Press and hold the initialization key to enter initialization status, the indicator light will flash, then click Nex

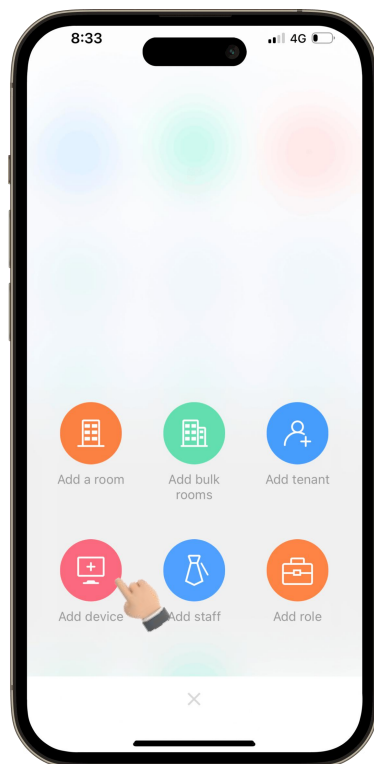


06. Add complete

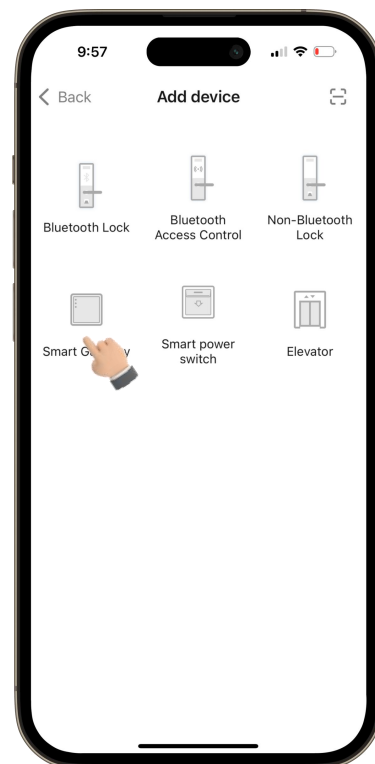
Note: The added gateway must be inserted into a 4G traffic card, and the indicator light of the gateway will always be on blue after the card is inserted, otherwise it cannot be added successfully.

APP FUNCTION

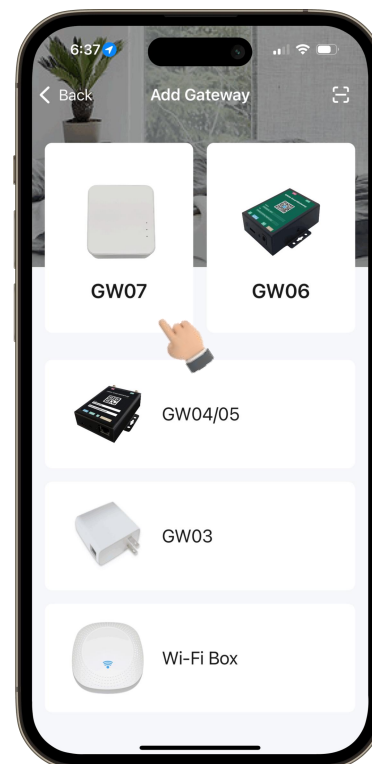
03-APP main functions Add GW07 Gateway-1 (wifi gateway)



01. Click "Add Device"



02. Select "Smart Gateway"



03. Select "GW07"

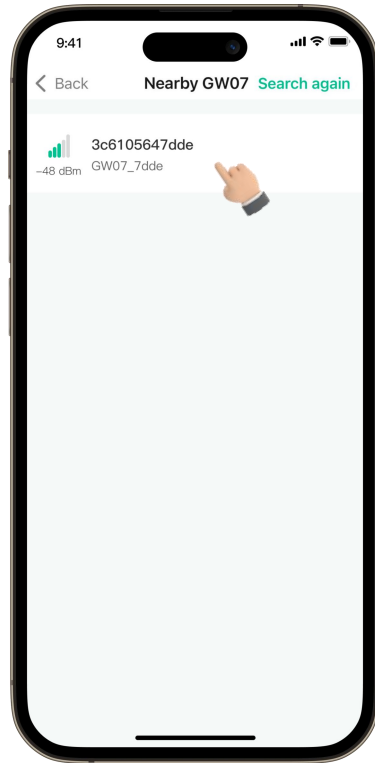


04. Click Next

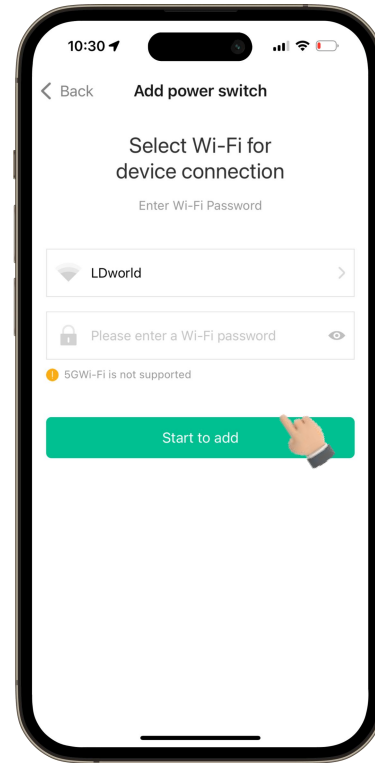
Note: Only 2.4 G wifi is supported

APP FUNCTION

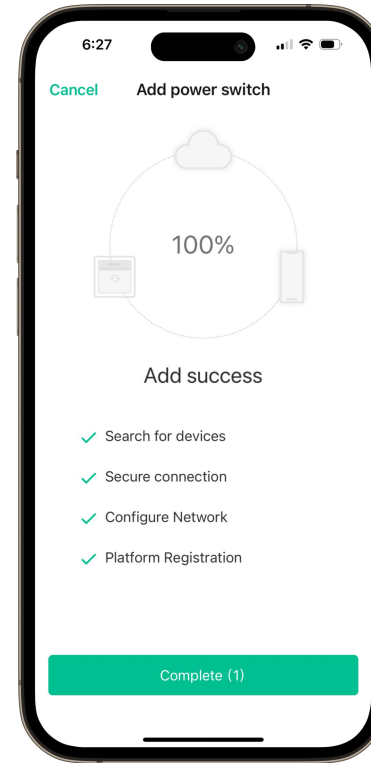
03-APP main functions Add GW07 Gateway-2 (wifi gateway)



05. Click on the corresponding gateway



06. Fill in the wifi name and password



07. Waiting to add

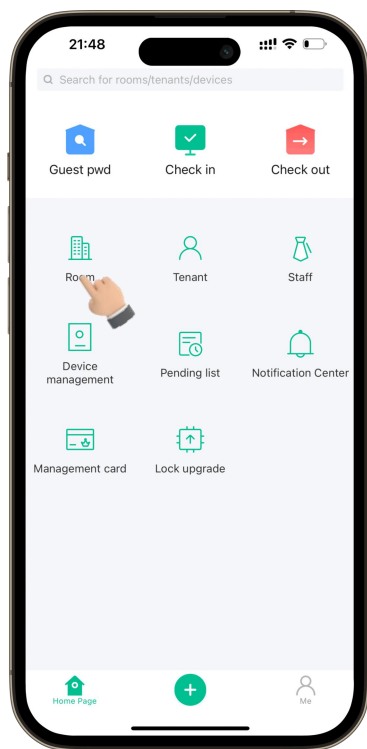


08. Add complete

Note: Only 2.4 G wifi is supported

APP FUNCTION

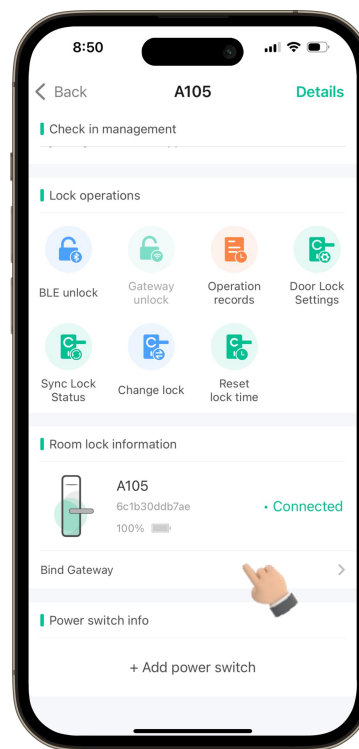
03-APP main functions Binding Gateway-GW05/GW06



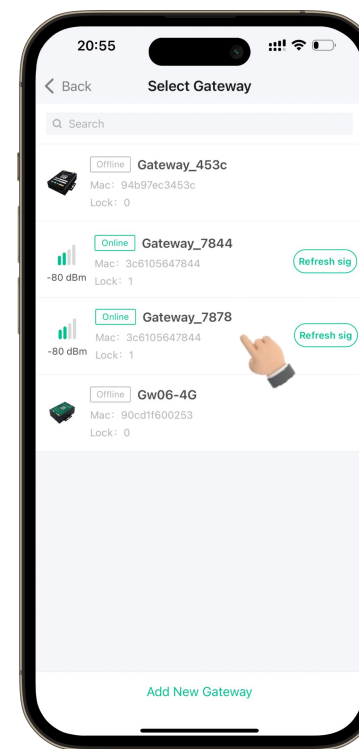
01. Click on the listing



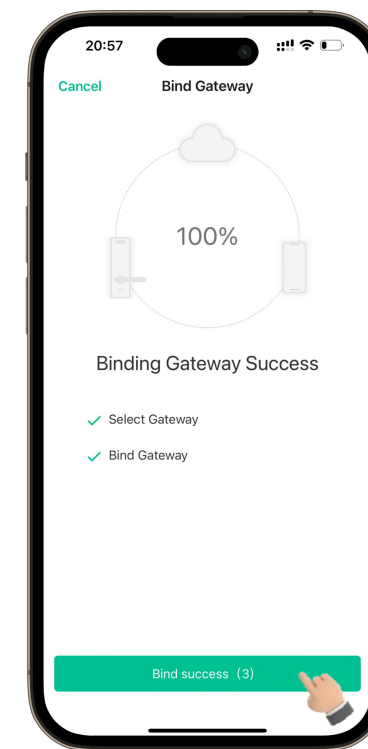
02. Select the room number that needs to be bound to the gateway



03. Click to bind gateway



04. Select the gateway

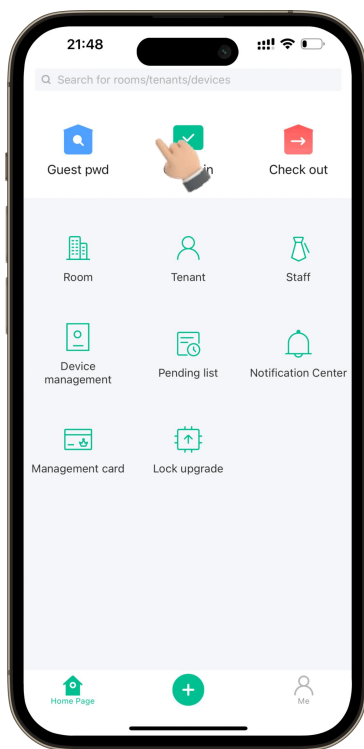


05. Binding complete

Note: When using GW07 gateway, the gateway will automatically associate the nearby door locks, and there is no need to manually associate them
(Sub-1G communication module can search and test the signal strength between the gateway and the door lock when the door lock is bound to the gateway, and select the gateway with the best signal for binding)

APP FUNCTION

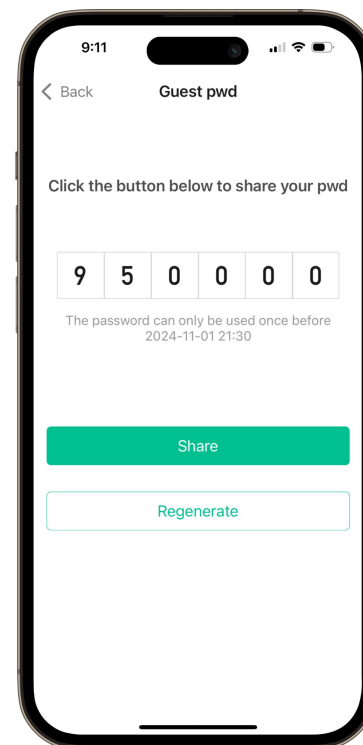
03-APP main functions Viewing password



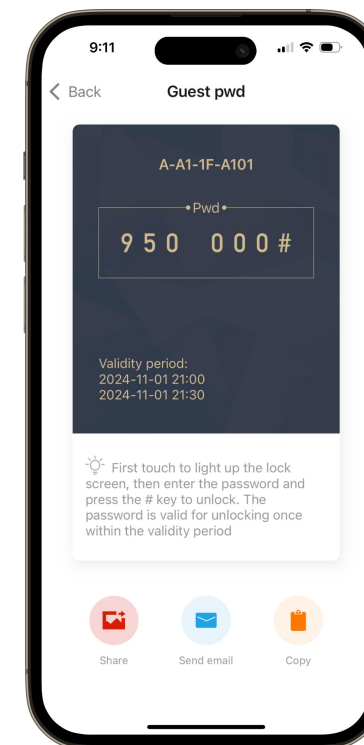
01. Click "Viewing Password" to generate a temporary password, meeting the viewing needs of tenants before check-in. One-time use only.



02. Click on the room number that needs to be viewed



03. Generate a house viewing password



04. Can be sent via email or WeChat.

Note: The viewing password can only be used once and is valid for half an hour.

APP FUNCTION

03-APP main functions Check in

Tenants need authorization to open the door lock when checking in. Apartment is mainly divided into two types: custom check-in and offline check-in.

Custom

- WeChat unlocking authorization
- LDLock (Tenant APP)
- Fingerprint
- Card Authorization
- Custom password authorization
- Face authorization

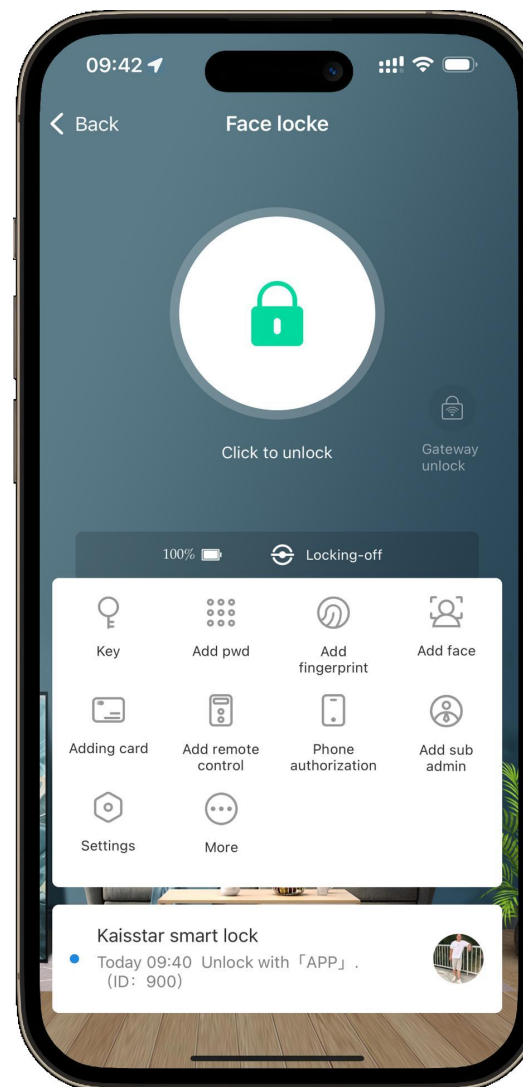
WeChat unlocking and LDLock APP authorization can be used for operation authorization management anytime and anywhere.

Fingerprints, cards and custom passwords need to go to the smart lock for authorization management (if the door lock is connected to the Internet, it is not required). You can also authorize LDLock or WeChat applet to add and delete the tenants unlocking permission in front of the door.

Offline

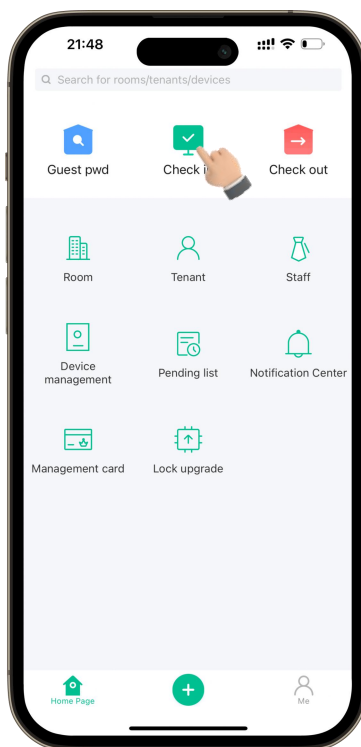
- Offline Algorithm Password
- Offline card (needs to be operated on PC)

Offline passwords can be automatically generated anytime and anywhere, with a length of 7 ~ 10 digits.



APP FUNCTION

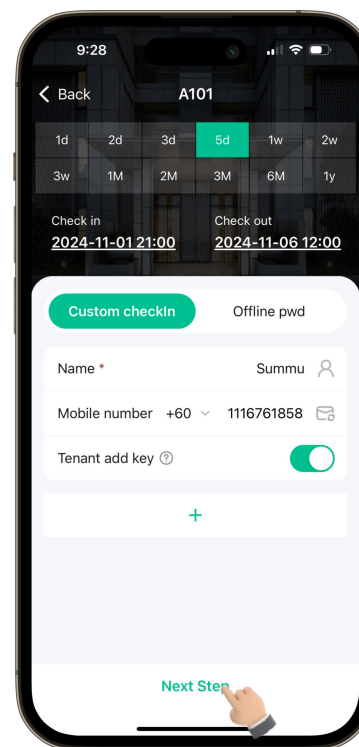
03-APP main functions Tenant Authorization-Custom Occupancy



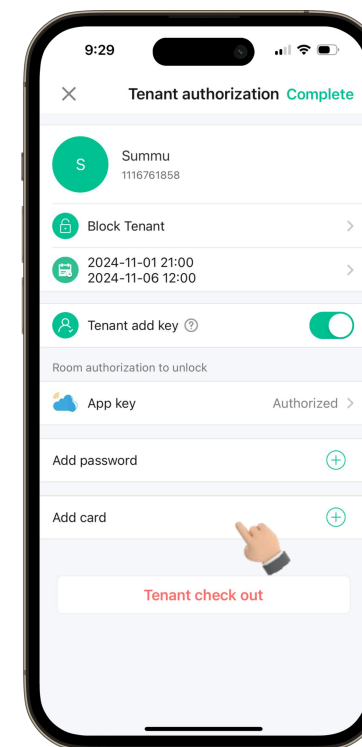
01. Click "Check in"



02. Select the room number to check in



03. Set the validity period, fill in the tenants name and mobile phone number, set the validity period of unlocking, and click "Next"



04. Here, the tenant can be authorized to unlock the corresponding method as needed

APP FUNCTION

03-APP main functions Check-in-Online Check-in Tenant Operations

Time-limited fingerprint

During the validity period, tenants can use fingerprints to unlock the door lock. When adding fingerprints, they need to use APP to control the entry of fingerprints at the door lock end

Limited time cards

During the validity period, the tenant can use the card to unlock the door lock. When adding the card, you need to use the APP to control the addition at the door lock end

Time-limited password

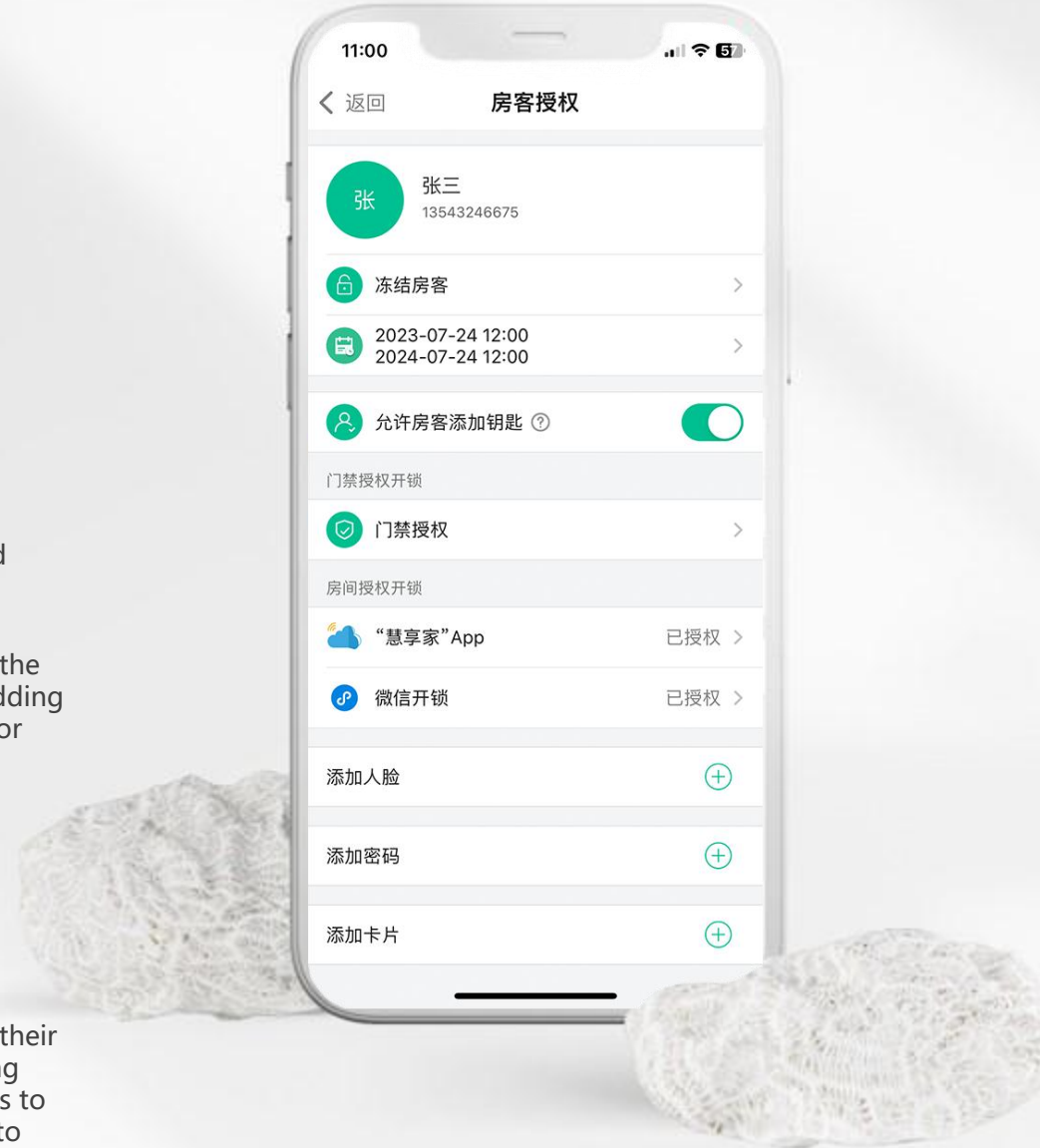
During the validity period, tenants can use the password to unlock the door lock. When adding the password, they need to go near the door lock to add it (the door lock can be added remotely if it is connected to the Internet)

Tenant check out

Delete all unlocking permissions for this user

Time-limited face

During the validity period, tenants can use their faces to unlock the door locks. When adding faces, they need to walk near the door locks to add them (if the door locks are connected to the Internet, they can be added remotely)



Freeze/Unfreeze Tenants

Disable all keys under this tenant without deleting the keys

Modification of lease term

Modify the tenants validity period

APP authorization

Tenants can unlock the lock through the tenant app (Huixiangjia app)

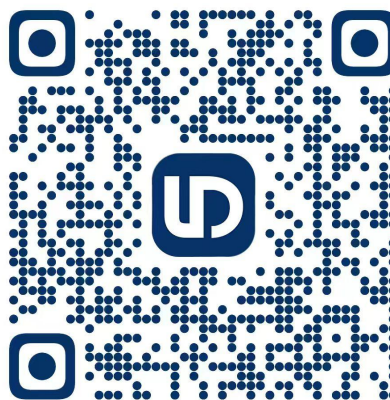
WeChat unlocking authorization

Tenants can unlock the lock through the WeChat applet ("Huixiang Intelligent Control" applet)

APP FUNCTION

03-APP main functions Tenant client

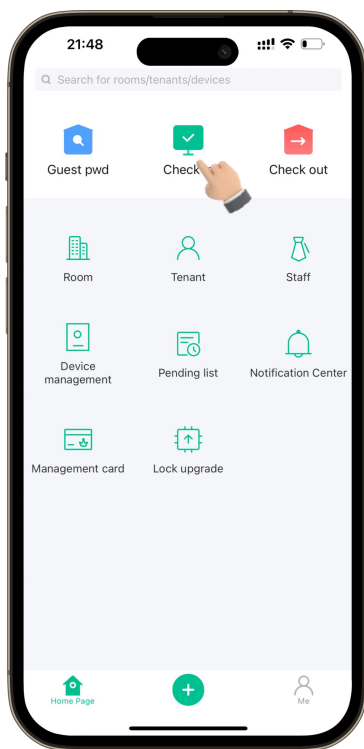
After customized check-in, the tenant will be given Bluetooth unlocking permission by default. Tenants log in to "LDLock Intelligent Control Mini Program" or "LDLock app" through their mobile phone numbers to unlock by Bluetooth.



Tenant terminal-scan the QR code to download the App to unlock

APP FUNCTION

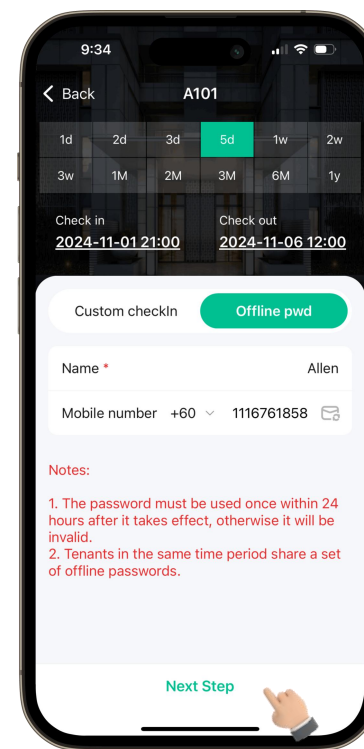
03-APP main functions Check-in-offline password



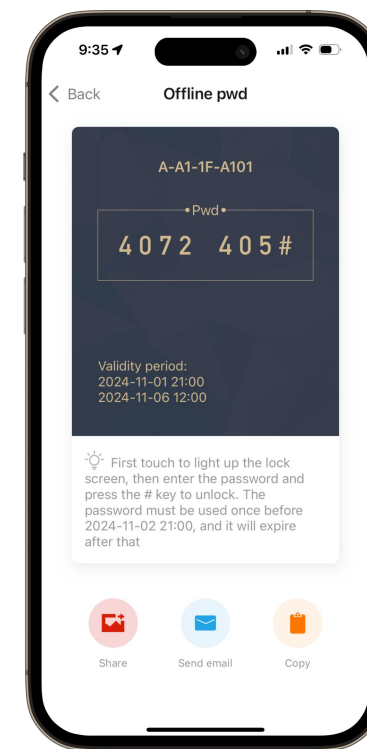
01. Click "Check in"



02. Select the room number to check in



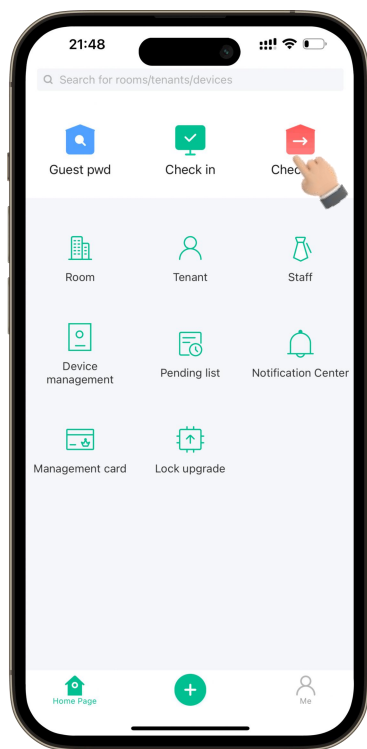
03. Select "Offline Password", fill in the information, and click "Next"



04. Setup successfully

APP FUNCTION

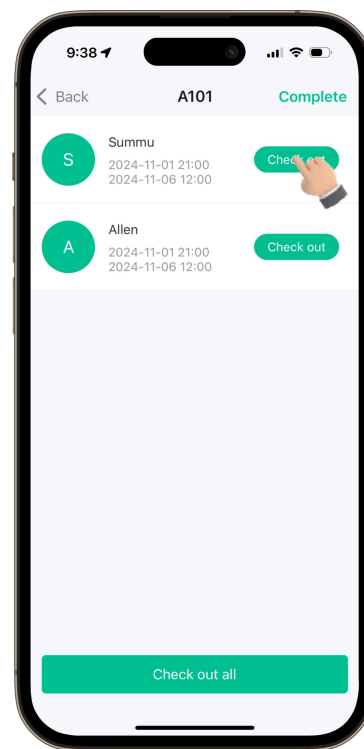
03-APP main functions Check out



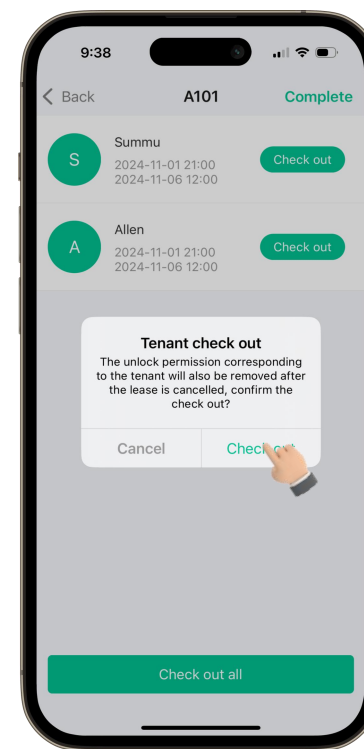
01. Click
"Check out"



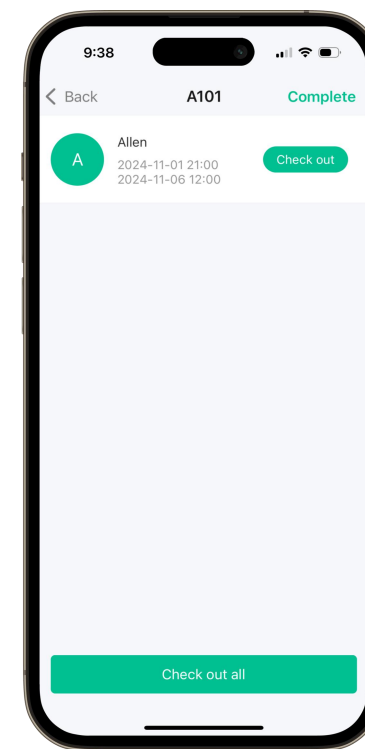
02. Select the room
number to check out



03. Select the tenant who
needs to check out



04. Click "Check
out"

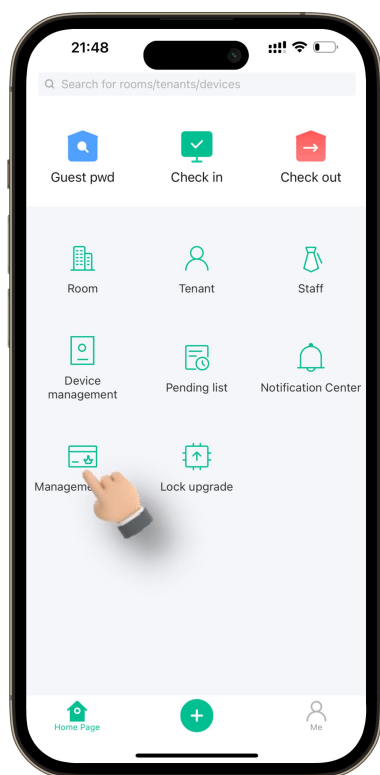


05. Check-
out
completed

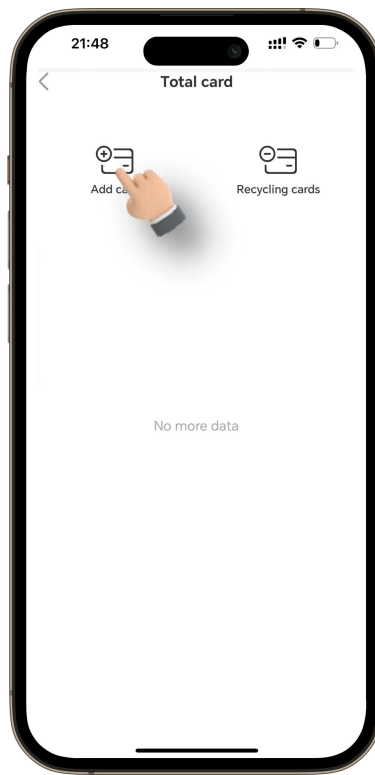
Note: In addition to applet and APP authorization, if the door lock is not connected to the Internet, the mobile phone needs to be in front of the corresponding door lock to complete the authorized deletion

APP FUNCTION

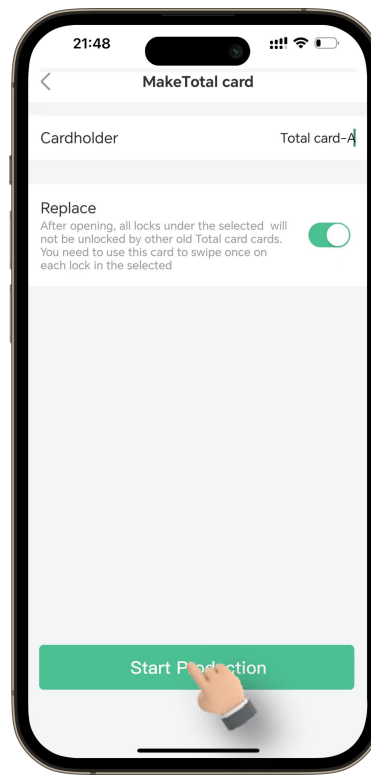
03-APP main functions **Total card**



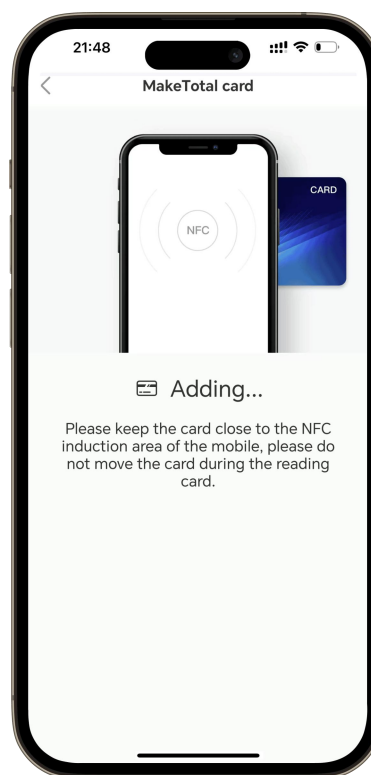
01. Click "Total Card"



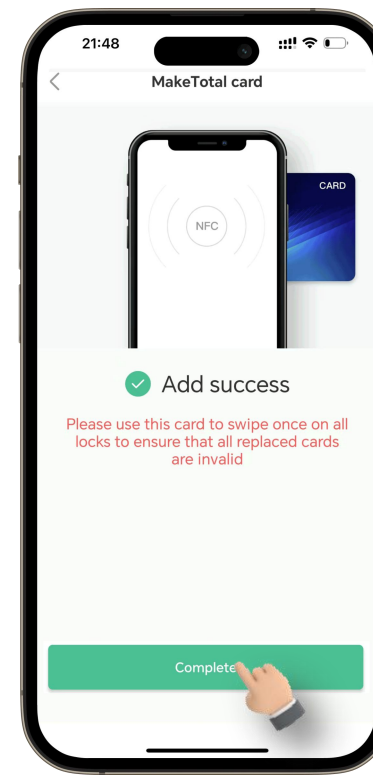
02. Select "Make Total Card"



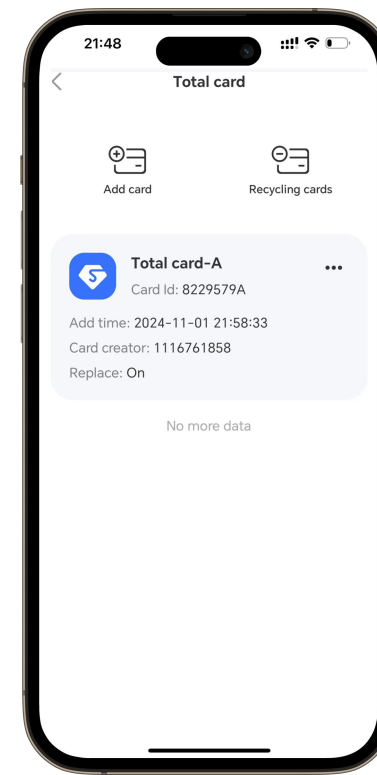
03. Fill in the name of the total card and click "Start Production"



04. Turn on the NFC of the mobile phone and place the card close to the NFC sensing area of the mobile phone



05. Business card printing successfully

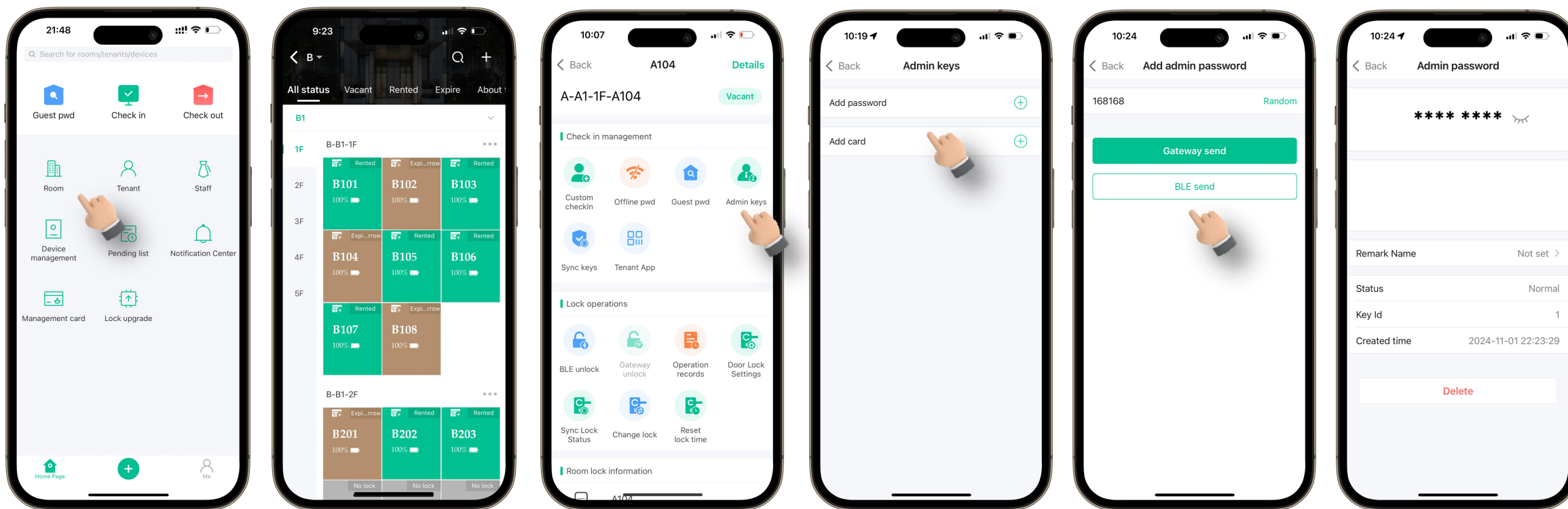


06. After the business card printing is completed, you can view the total card information that has been made in the total card list

Note: Not all locks support total card function: There is a setting item of "Allow total card unlocking" on the "Door Lock Settings" page, which indicates that the door lock supports total card function, otherwise it is not supported

APP FUNCTION

03-APP main functions Administrator Password or Card

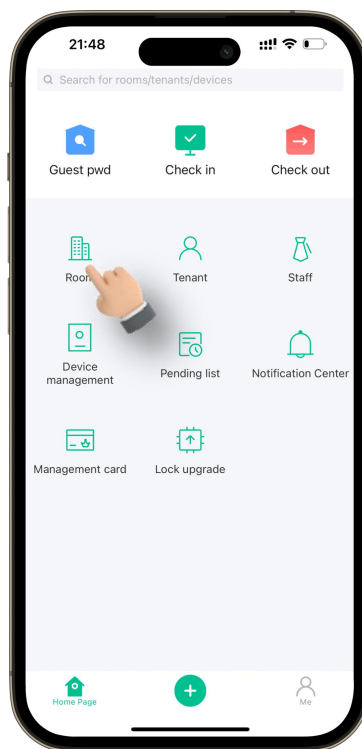


01. Click "Housing"
02. Select the room where you need to set the administrator password
03. Select "Administrator Password"
04. Choose password or card
04. Fill in the password and click Send
05. The administrator password was successfully set

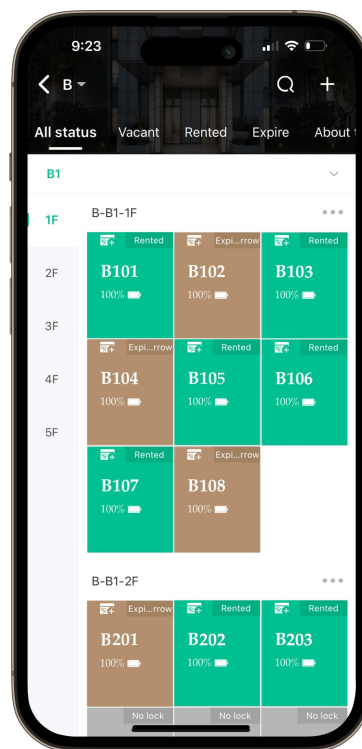
Note: Not all locks support administrator passwords

APP FUNCTION

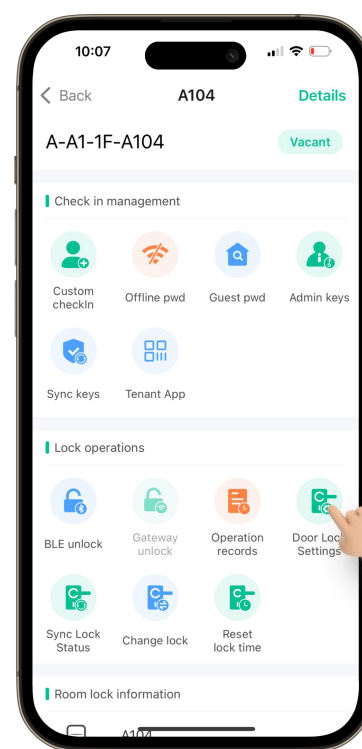
03-APP main functions Replacement function



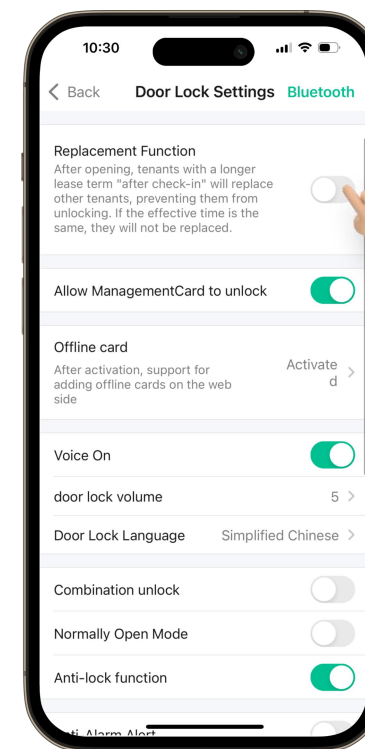
01. Click
"Housing"



02. Select the room that
needs to be replaced



03. Select "Door
Lock Settings"

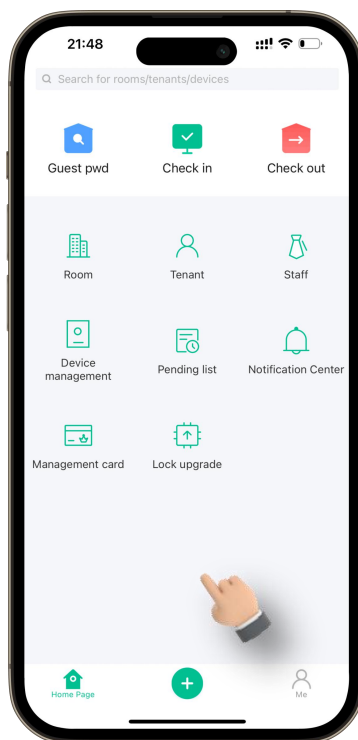


04. Turn on the
"Replacement Function"
option

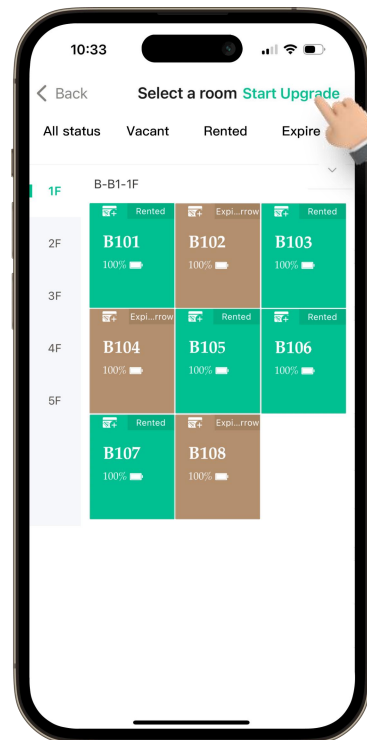
Note: The door lock firmware version greater than 01000501 can only support the replacement function

APP FUNCTION

03-APP main functions Door Lock Upgrade



01. Click "Door Lock Upgrade"



02. Select the room that needs to be upgraded
Then click "Start Upgrade"



03. Wait for the door lock to be upgraded



04. Upgrade completed

Note: Apple phones can support upgrading of 4 locks at the same time, while Android phones can only upgrade a single door lock one by one

APP FUNCTION

03-APP main functions Other functions

Recharge Center

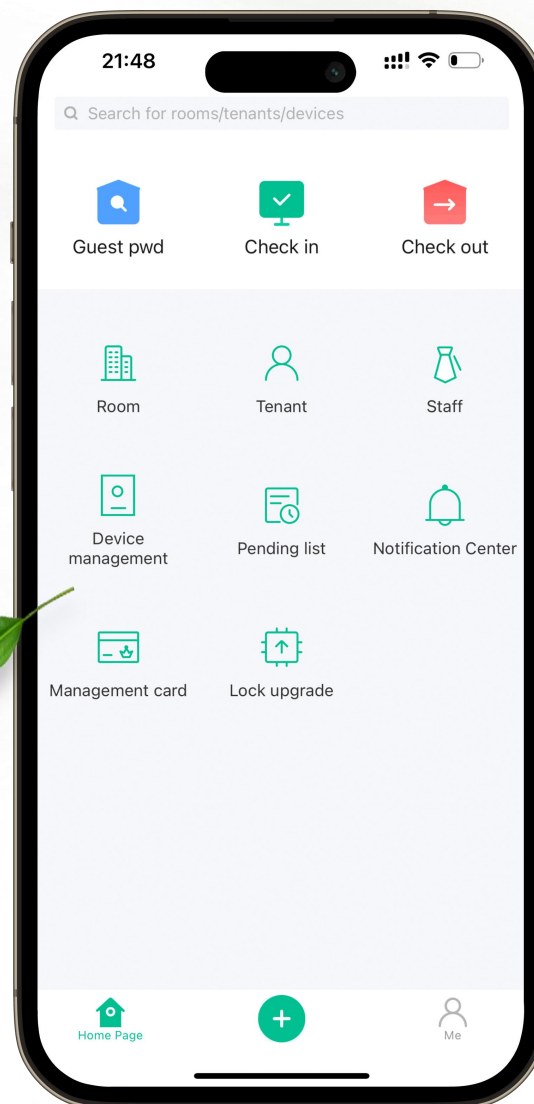
After recharge, the function of sending text messages to inform tenants of check-in information can be realized.

Door lock management

View the current connection status of all door locks, associate housing listings and abnormal status information, and support one-click export of mac addresses of all door locks.

Related public account

By uploading their own WeChat official account QR code and WeChat official account name, and associating the "Huixiang Intelligent Control" WeChat applet on WeChat official account, apartment/hotel managers can simultaneously display WeChat official account QR code and name when WeChat unlocking authorization is performed for WeChat sharing.



Gateway Management

View the current connection status and associated devices of all gateways, and support one-click export of mac addresses of all gateways.

Employee Management

The employee management module can add employees and positions, and different positions are assigned different permissions to improve the management efficiency of apartments/hotels.

Notification Center

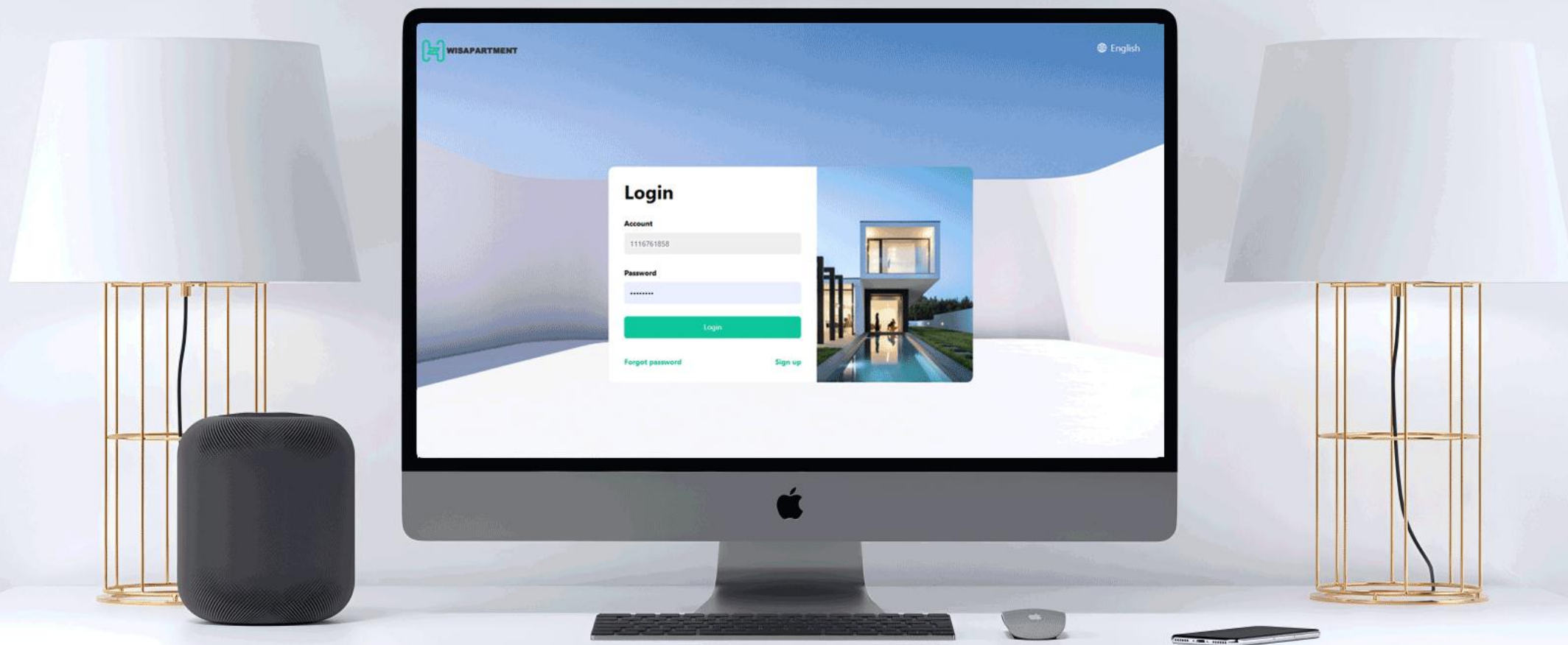
Set up Tenant Expiration SMS Notifications, Occupancy SMS Notifications, and Door Ownership Change SMS Notifications.

LDRenting PC Terminal

Supports the computer side, the account is the same as the APP side

Synchronization of information between mobile phone settings and computer settings

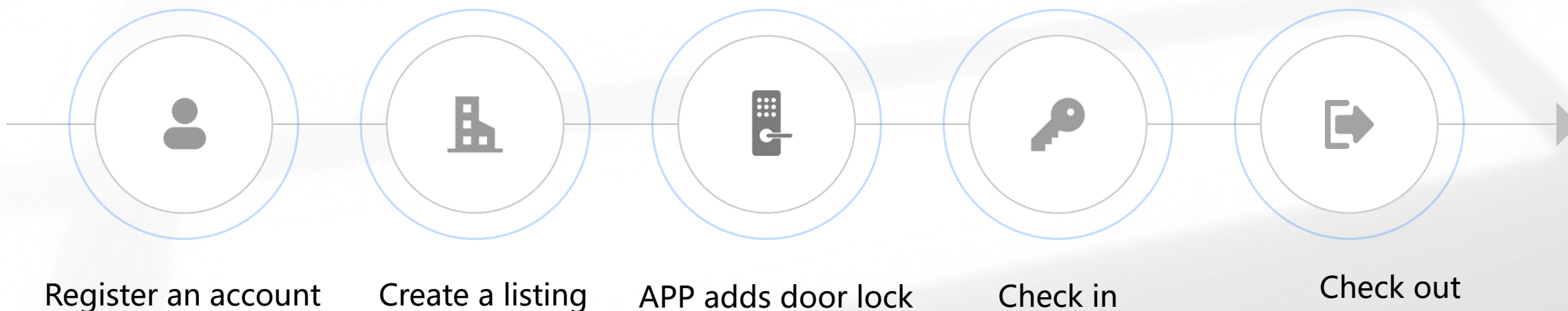
Website: <http://minsu.fandanlock.com>



PC PROCESS

04-Basic process on PC side

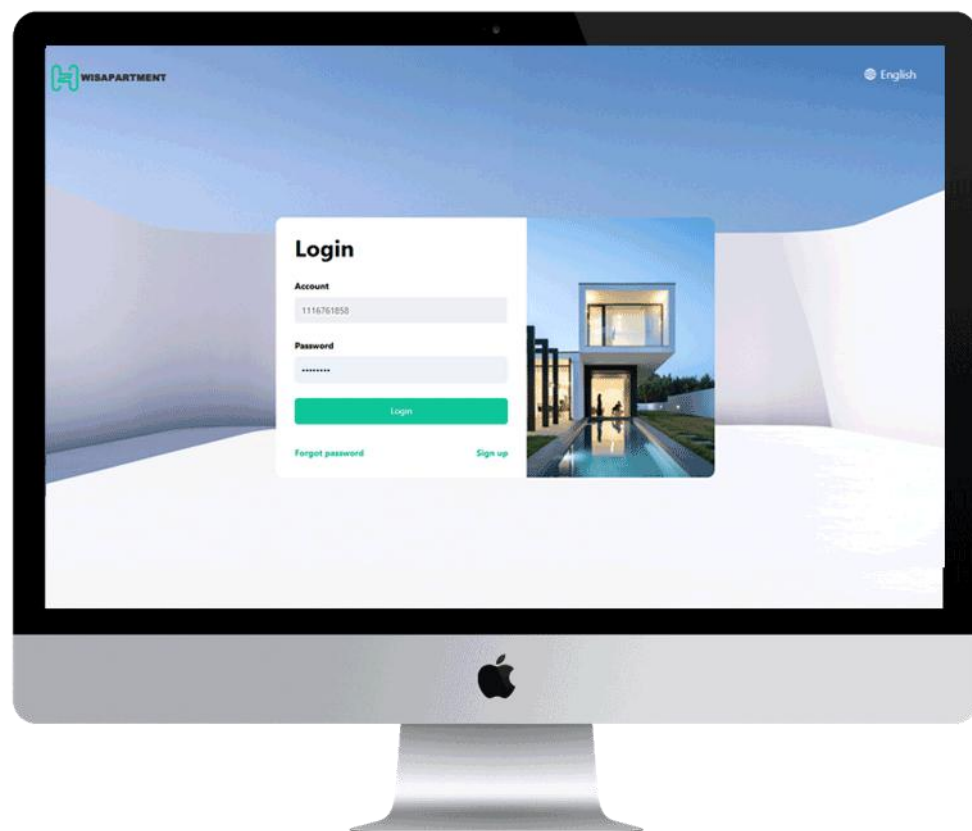
The PC side of Apartment is applied to the apartment system managed by the front desk. It can complete several functions such as housing management, equipment management, tenant management, custom authorization management, offline authorization, and employee management through the PC side of Apartment. It supports the allocation of floor/building management permissions for employees, supports different menu management permissions for different employees, and is equipped with a variety of hardware to adapt to different door lock networking categories, optimizes housing management and permission issuance, and uses it synchronously with the Apartment APP.



PC FUNCTION

05-Main functions of PC side [User Registration](#)

If users have registered and logged in on the Apartment app, they can directly use the same account to log in on the PC. If you log in for the first time, you need to register an account: click the "Register Account" button → fill in the account number, password and mobile phone number, get the SMS verification code and click the "Register" button to complete the registration. After successful registration, return to the login interface and enter the account password to log in. The interface is as shown below



Sign up

[Phone Register](#)
[Email Register](#)

+1

▼

Please enter phone



Existing account? [To login](#)

PC FUNCTION

05-Main functions of PC side [Room state diagram](#)

After the user logs in, the home page room status diagram is displayed by default, and the room status diagram page displays the status information of all current houses. At the same time, it supports house search, card number search and house addition.

WisApartment 1116761858

Room status | house: A | Building: All | Floor: All | Room: Building / Room | Card No: Card No. | Search | Export listings | Handle abnormal with one click

A-A1-1F Serial No:

A101	A102	A103	A104	A105	A106	A107	A108
Rent	No lock	No lock	No lock	No lock	No lock	No lock	No lock
100% Due in 4 days	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock

A-A1-2F Serial No:

A201	A202	A203	A204	A205	A206	A207	A208
No lock	No lock	No lock	No lock	No lock	No lock	No lock	No lock
Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock

A-A1-3F Serial No:

A301	A302	A303	A304	A305	A306	A307	A308
No lock	No lock	No lock	No lock	No lock	No lock	No lock	No lock
Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock

A-A1-4F Serial No:

A401	A402	A403	A404	A405	A406	A407	A408
No lock	No lock	No lock	No lock	No lock	No lock	No lock	No lock
Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock

A-A1-5F Serial No:

A501	A502	A503	A504	A505	A506	A507	A508
No lock	No lock	No lock	No lock	No lock	No lock	No lock	No lock
Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock	Bind lock

Pending

All	40
Rented	1
Expire	0
Abnormal	0
Vacant	39
No lock	39

Read offline card information

PC FUNCTION

05-Main functions of PC side [Add and associate card issuer/fingerprinter](#)

The fingerprint collector can only be associated for use after being added. Method: Under the "Card Issuance Fingerprint Collector Management" menu, click on "+ Add Card Issuance Fingerprint Collector" → Follow the prompts to add the fingerprint collector → After adding, click on "Associate Card Issuance Fingerprint Collector" → Select the card issuance fingerprint collector and click "Associate for use".

The screenshot displays the WisApartment web interface. On the left is a sidebar menu with options: Room status, Tenant, Device, Lock management, Gateway, Encoder (selected), Power switch, Elevator controller, Staff, Message, Statistics, Query Report, Card Management, and System settings. The main content area shows the 'Encoder' management page. It indicates that the encoder/fingerprint is 'Not associated' and provides instructions: '1. Enter the fingerprints for the tenants and send them to the door lock' and '2. Enter the card ID quickly, or produce various cards'. There are buttons for 'Associated Encoder', '+ Add Encoder', and a 'Search' button. Below these, a modal window titled 'Please select the device used for account' is open, showing a table of available devices. The table has columns for Device Name, Serial Number, Status, and Operation. The device 'CardReader8bdc' is highlighted as 'Online'. At the bottom of the modal is an 'Associate' button. Another modal window is partially visible in the foreground, showing steps for adding an encoder: 1. Enter serial number, 2. Long press the button to initialize, 3. Add Encoder, 4. Successfully. It includes an image of the device and a 'Next' button.

Device Name	Serial Number	Status	Operation
CardReader77c	MNR632373F6328	Offline	Connectivity Test
CardReader8bdc	MNR6322E8B77C0	Online	Connectivity Test
CardReader9490	MNR632FBBF56E0	Offline	Connectivity Test
CardReaderf314	MNR63226244644	Offline	Connectivity Test
CardReader8d18	MNR63285CC55C3	Offline	Connectivity Test

PC FUNCTION

05-Main functions of PC side **Check-in-Offline Card Check-in**

First, find the room that needs to be checked in in the room state diagram module, click "Check in" → select offline card to check in → fill in the tenant information → set the validity period, click "Issue Card" → pop up the business card printing page, put the card on the card issuer, and the check-in is successful.

The screenshot displays the WisApartment management interface. On the left is a sidebar with navigation options: Room status, Tenant, Device, Staff, Message, Statistics, Query Report, Card Management, and System settings. The main area shows a room state diagram for building A, with rooms A101 through A108 on floor 1F and A201 through A208 on floor 2F. Room A101 is highlighted with a 'Check in' button. A hand cursor is shown clicking this button.

Three pop-up windows are overlaid on the interface to demonstrate the check-in process:

- Check in**: A modal window with three options: 'Offline card check in' (selected), 'Customized check-in', and 'Offline PWD'.
- Custom Check-in**: A form for room A101 (A1-1F). It includes fields for 'Name' (with a search icon), 'Mobile' (selected) or 'Email', 'Check in' date/time (2024-11-02 09:00), and 'Leave' date/time (2024-11-02 09:00). There are also buttons for 'Allow tenant to add keys' and '+ Add co-occupants'.
- Add off line card**: A window showing a card issuer interface. It displays the name 'Li Sheng' and a message: 'Ready to make room cards. Ready to make room card for Li Sheng, please put the card on the card issuer.' Below the message is a card issuer device icon and a '0 / 1' counter.

At the bottom left, there is a green button labeled 'Load offline card information'.

PC FUNCTION

05-Main functions of PC side [Check-in-Custom Check-in 1](#)

First, find the room that needs to be checked in in the room state diagram module, click "Check in" → select custom check-in → fill in the tenant information → set the validity period, and click "OK"

The screenshot displays the WisApartment management interface. On the left is a sidebar with navigation options: Room status, Tenant, Device, Staff, Message, Statistics, Query Report, Card Management, and System settings. The main area shows a room status diagram for building A, with floors 1F through 5F. Room A101 is highlighted with a 'Check in' button. A 'Custom Check-in' modal is open, showing details for room A101. The modal includes fields for guest name, phone number, and validity period. A 'Check in' sub-modal is also visible, offering options for 'Offline card check in', 'Customized check-in', and 'Offline PWD'.

Room Status Diagram Data:

Floor	Room	Status
A-A1-1F	A101	Rented
	A102	No lock
	A103	No lock
	A104	No lock
	A105	No lock
	A106	No lock
	A107	No lock
	A108	No lock
A-A1-2F	A201	No lock
	A202	No lock
	A203	No lock
	A204	No lock
	A205	No lock
	A206	No lock
	A207	No lock
	A208	No lock
A-A1-3F	A301	No lock
	A302	No lock
	A303	No lock
	A304	No lock
	A305	No lock
	A306	No lock
	A307	No lock
	A308	No lock
A-A1-4F	A401	No lock
	A402	No lock
	A403	No lock
	A404	No lock
	A405	No lock
	A406	No lock
	A407	No lock
	A408	No lock
A-A1-5F	A501	No lock
	A502	No lock
	A503	No lock
	A504	No lock
	A505	No lock
	A506	No lock
	A507	No lock
	A508	No lock

Custom Check-in Details:

- Room: A101, A1-1F
- Validity: Limited (Cycle)
- Check in: 2024-11-02 09:00
- Check in guests:
 - Name: [Please enter name]
 - Mobile: [Selected] | Email: [Unselected]
 - Phone: [Please enter phone]
 - Allow tenant to add keys: [Checked]
 - + Add co-occupants
- Leave: 2024-11-02 09:00

PC FUNCTION

05-Main functions of PC side **Check-in-Custom Check-in 2**

Find the tenant in the room details, click "Authorize" → click to add card, password, fingerprint and other keys

The screenshot displays the WisApartment PC interface. The main window shows the 'Room status' page for room A-A1-1F-A101. The left sidebar contains navigation options: Room status, Tenant, Device, Lock management, Gateway, Encoder, Power switch, Elevator controller, Staff, Message, Statistics, Query Report, Card Management, and System settings. The main content area shows the 'Association' tab with 'Check in detail', 'Online check in', and 'Check in offline' sections. The 'Online check in' section shows a tenant named 'sunny' with a mobile number 1116761858 and a status of 'normal'. The 'Check in offline' section shows a tenant named 'Allen' with a mobile number 1116761858 and a status of 'normal'. The 'device' section shows a table with columns: Lock type, Network type, Name, Battery, Online/Offline, Alarm, and Operation. The 'Power switch' section shows a table with columns: MAC, hardwareVersion, softwareVersion, Online/Offline, and Status.

A modal window is open in the foreground, titled 'Check-in room'. It shows the room details for A101 (A1-1F) and the tenant 'sunny' (Mobile: 1116761858, Status: normal). The modal has tabs for 'Key', 'Room', and 'Lease'. The 'Key' tab is active, showing a toggle for 'Allow tenant to add keys' which is turned on. Below the toggle, there are buttons for 'Add', 'Deauthorization', and 'Send email'. The 'Room' tab is also visible, showing the 'WisHome APP' status as 'Authorized' and a 'No key' indicator.

PC FUNCTION

05-Main functions of PC side [Check-in-offline password check-in](#)

Offline password authorization supports validity period setting and periodic time setting. It needs to be unlocked once within 24 hours, otherwise it will become invalid. The steps are as follows: Find the room that needs to be checked in in the room state diagram module, click "Check in" → select "Offline Password" → set the validity period of the offline password, fill in the tenants name, click "OK" → pop up the offline password, and the check-in is successful.

The screenshot displays the WisApartment management interface. On the left, a sidebar contains navigation options: Room status, Tenant, Device, Staff, Message, Statistics, Query Report, Card Management, and System settings. The main area shows a grid of room status for floors A-1-1F, A-1-2F, A-1-3F, A-1-4F, and A-1-5F. Each room card indicates its status (e.g., 'Not lock', 'Bind lock') and a 'Check in' button. A hand cursor is shown clicking the 'Check in' button for room A101.

On the right, a summary panel shows the status of all rooms: 40 total, with 1 Rented, 0 Expire, 0 Abnormal, 39 Vacant, and 39 Not lock.

Two pop-up windows are overlaid on the bottom right:

- Check in**: A modal with three options: 'Offline card check in', 'Customized check-in', and 'Offline PWD'. A hand cursor is shown selecting 'Offline PWD'.
- Custom Check-In**: A form for configuring the check-in for room A101. It includes fields for 'Name' (sunny), 'Mobile' number (+60 1116761858), and 'Allow tenant to add keys' (checked). The 'Lease' section shows 'Validity' set to 'Limited' with a 'Check in' date of 2024-11-02 09:00 and a 'Leave' date of 2025-11-02 12:00. A grid of time intervals is shown, with '1y' selected.

PC FUNCTION

05-Main functions of PC side [Check out](#)

In the room status module, find the corresponding room, click "Check-out" → select the person(s) to check out, click "Check-out" (if all occupants of the room need to check out, click "Check-out for all") → a pop-up window appears, click "OK", and the check-out is complete.

Note: In addition to applet and APP authorization, if the door lock is not bound to the gateway, the mobile phone needs to be in front of the corresponding door lock to complete the authorized deletion

The screenshot displays the WisApartment PC interface. The main area shows a grid of room status cards for different floors (A-11-F, A-11-2F, A-11-3F, A-11-4F, A-11-5F). A hand cursor is clicking the 'Check out' button on the A101 card. On the right, a 'Pending' sidebar shows a list of room statuses: Rented (40), Expire (0), Abnormal (0), Vacant (39), and Nolock (39).

Two 'Check out' pop-up windows are shown in the foreground:

- Left Pop-up:** Lists occupants 'sunny' (2024-11-02 09:00 ~ 2025-11-02 12:00) and 'Allen' (2024-11-01 21:00 ~ 2024-11-06 12:00). It has 'Check out' buttons for each and a 'Check all out' button at the bottom.
- Right Pop-up:** Shows fields for 'Name: sunny', 'Phone: 1116761858', and 'Check out: A11F-A101'. It has 'Cancel' and 'OK' buttons at the bottom.

PC FUNCTION

05-Main functions of PC side [Make a total card](#)

After the card issuer is associated, the total card can be made on the PC side.

WisApartment 1116761858

- Room status
- Tenant
- Device
- Staff
- Message
- Statistics
- Query Report
- Card Management
 - Master card**
 - System settings

* Name:

Replace master card: ☐

Issue card

Name	Card No	Card issuing time	Status	Replace previous card	Operation
Total card-A	8229579A	2024-11-01 21:58	normal	yes	Delete without card

1 items per page. 1 items in total

[Read offline card information](#)

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Add Total card

1 / 1

Successful

Complete

PC FUNCTION

05-Main functions of PC side Remote unlocking

Click the connected room number in the room state diagram, enter the room details, and then click the "Remote Unlock" button.

The image displays two overlapping screenshots of the WisApartment web interface, illustrating the process of remote unlocking a room.

Background Screenshot (Room Status Overview):

- Header:** WisApartment logo, user ID 1116761858.
- Filters:** Room status, Tenant, Device, Staff, Message, Statistics, Query Report, Card Management, System settings.
- Room Grid:** A grid of room cards for floor A-A1-1F. Room A101 is highlighted with a hand cursor pointing to it.
- Buttons:** Search, Export listings, Handle abnormal with one click.

Foreground Screenshot (Room Details for A-A1-1F-A101):

- Header:** WisApartment logo, user ID 1116761858.
- Room Information:** Room ID: f2RCrsuLk8=, Room picture, Repeat passage mode setting.
- Check in detail:** Sunny (2024-11-02 09:00 to 2025-11-02 12:00), Allen (2024-11-01 21:00 to 2024-11-06 12:00).
- Check in offline:** Offline password renewal requires re authorization.
- Device Table:**

Lock type	Network type	Name	Battery	Online/Offline	Alarm	Operation
BLE Lock	BLE-Gateway	A-A1-1F-A101	100%	Online	normal	Details, Unbind, Synchronise lock status, Synchronise record
- Power switch Table:**

MAC	hardwareVersion	softwareVersion	Online/Offline	Status	Operation
f2b0da84e0	PS-ZW002 V4	01000417	Online	power off	Delete, Power taking record
- Buttons:** Remote unlock, Guest paid, Edit, Delete room, Remote power supply, Power off, Restore normal power supply, Search, Check in, Check all out.

PC FUNCTION

05-Main functions of PC side Tenant Management

The tenant management module can view the information of the tenant, click "+ Add Tenant", and then enter the tenants name and mobile phone number to add the tenant information.

The screenshot displays the WisApartment web application interface. On the left, a sidebar contains navigation links: Room status, Tenant (highlighted), Device, Staff, Message, Statistics, Query Report, Card Management, Master card, and System settings. The main content area features a search bar with fields for Name, Phone, Email, and Check-in status, along with Search, reset, and Expand buttons. Below the search bar is a table of tenants:

Name	Phone	Email	Check-in status	Check-in room	Check-in time	photo
A	15897610677	--	No stay		--	--
sunny	1116761858	--	Rented	A-A1-1F-A101	2024-11-02 09:00	--

On the right side of the main area, there are buttons for Export tenant information, Add tenant, Add individual tenants, Batch import of tenants, and Download and import templates. A modal window titled "Add tenant" is open, showing input fields for Name, Phone, Email, and photo, along with Cancel and OK buttons.

PC FUNCTION

05-Main functions of PC side Equipment Management

The device management module can view the status of the gateway and door lock, power level, associated room and other information, and can perform operations such as deleting the door lock

WisApartment 1116761858

Room status
Tenant
Device
Lock management
Gateway
Encoder
Power switch
Elevator controller
Staff
Message
Statistics
Query Report
Card Management
System settings

Online lock: 1
Abnormal lock: 0

Status: All normal Abnormal
warning: low power Other warnings
Lock type: All Lock Access control

Please enter device's name or MAC

Lock MAC	Location	Name	Battery	Lock type	Network type	Status	Hardware version	Firmware version	Last communication time	Wireless signal	Wireless hardware version	Wireless firmware version	Operation
68c32305071e	AA11FA101	A-A1-1F-A101	100%	Lock	BLE+Gateway	normal	BFZTEVL-HXJ28E-LDPFZ-AFD-C1T12 V5	01000943	2024/11/01 22:48:14(long-range)	--	--	--	Details Unbind Delete

1 items per page, 1 items in total

[Read offline card information](#)

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PC FUNCTION

05-Main functions of PC side **Employee Management**

Employee management includes job management and employee list. Different positions and corresponding employees can be added according to needs, and different positions can be assigned different permissions to improve the management efficiency of apartments/hotels.

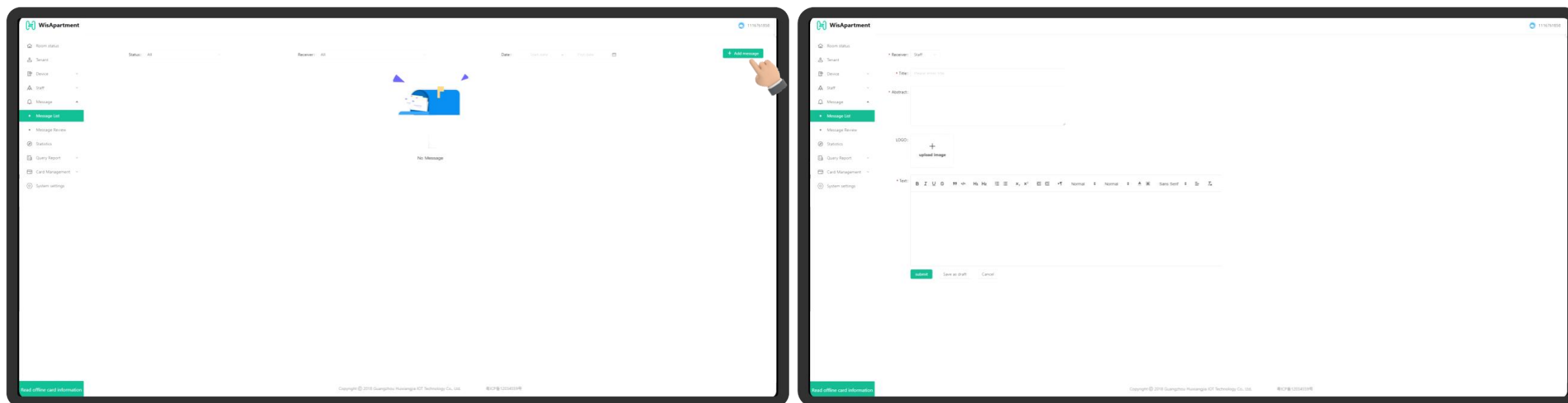
The screenshot displays the WisApartment web application interface. On the left, a sidebar menu includes options like Room status, Tenant, Device, Staff, Role, Staff list (highlighted), Message, Statistics, Query Report, Card Management, and System settings. The main area shows a table of staff members with columns for Name, Role, Account, Phone, Registration time, Status, and Operation. A single staff member is listed with the role of Administrator. A green '+ Add staff' button is visible in the top right corner of the table area. An 'Add staff' modal is open, showing fields for Name, Phone, Account, Password, Role, and Room permission. The 'Account' field is highlighted with a red box and contains the text '1116761858@ It cannot be modified after confirmation.' A red arrow points from this field to a text box at the bottom right.

When adding employees, there must be systematic account binding, and different real estate permissions must be assigned according to the position.

PC FUNCTION

05-Main functions of PC side [Message management](#)

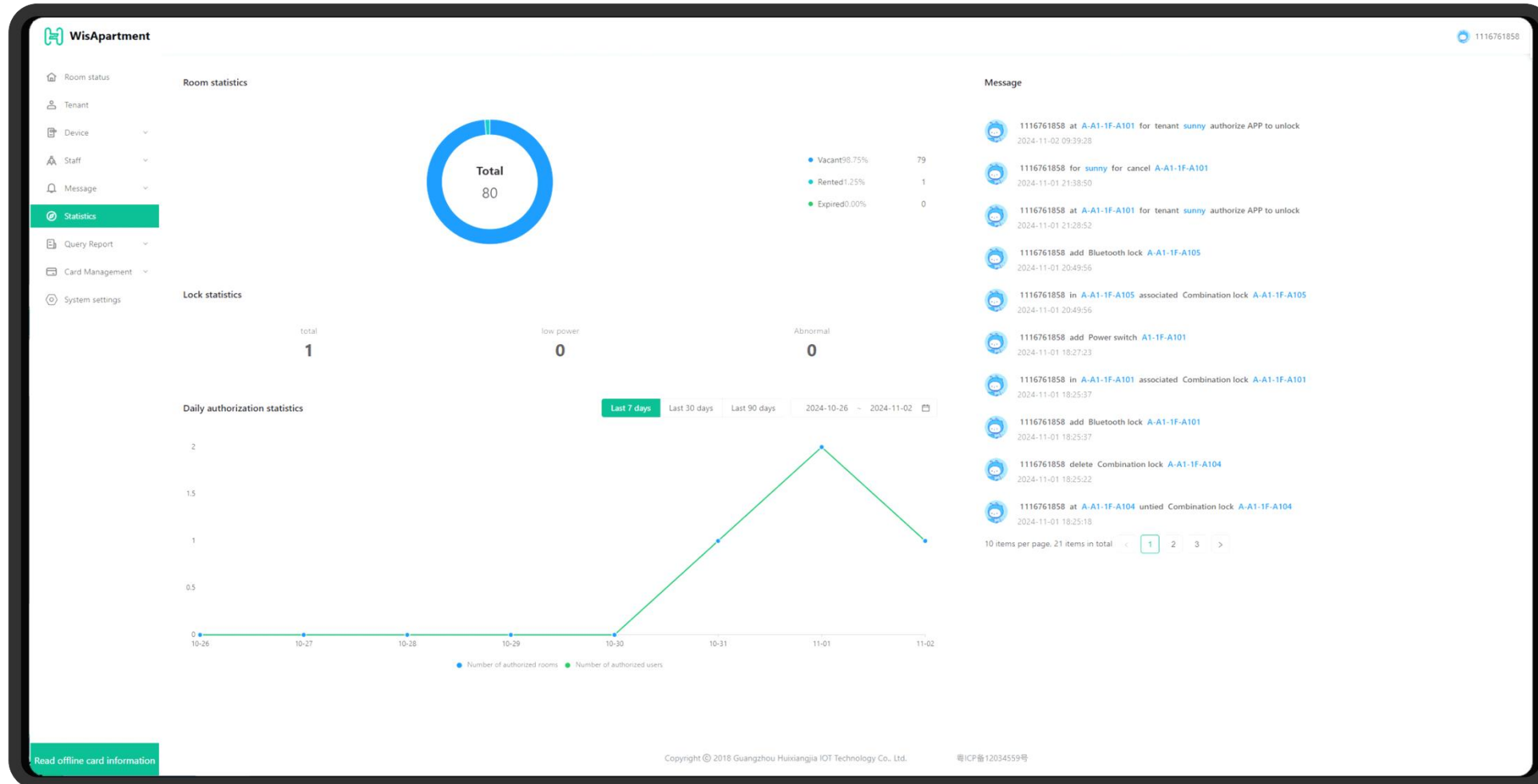
The message management module can edit messages to send to employees or tenants. Click "Message List" → "New Message" → Select the recipient. After editing the message, click Submit → Click "Message Review" for review by an account with review permission. Only messages that have passed the review can be sent.



PC FUNCTION

05-Main functions of PC side Apartment dynamics

You can view listings, door lock statistics and apartment dynamics



Apartment Open Interface

In addition to its own management functions, Apartment also supports docking with third-party SaaS management platforms. Based on its own door lock authorization management business, Apartment provides an open interface to docking with SaaS platforms



Room information inquiry

Room List	Get List of Door Lock Logs
Room Details Get	Room Key List



Authorization management

Add an offline password	Add APP/WeChat unlocking authorization
Issue cards remotely	Delete Key
Remote password authorization	Generate a one-time password
Unfreeze logs	Modify user validity period
Freeze User	Room withdrawal



Event push

Door lock incident reportingDoor lock online and offline notification



Remote unlocking

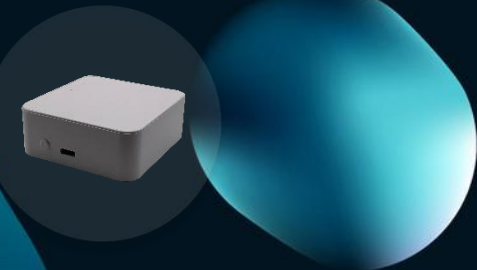
Remote unlocking

Supporting hardware equipment



4G Gateway (GW06)

- 4G gateway, no need to worry about on-site network cabling issues
- Communication distance: The operators 4G network is directly connected to the cloud, and Sub-1G wireless connection to the door lock (more than 160 meters)
- Number of sub-devices: Sub-1G connections: 64
- Antenna Type: a. 4G connectivity: stick antenna; b. Sub-1G connection: mushroom head antenna
- Power supply mode: DC12V



Bluetooth Gateway (GW03)

- Support Bluetooth communication with door lock
- Communication range radius 5 meters (barrier-free)
- Supports up to 10 Bluetooth communications
- Support wifi networking



Sub-1G Gateway (GW05)

- Support Bluetooth communication with door lock
- Support communication with door lock through 433
- Supports up to 10 Bluetooth communications and 32 433 communications
- Communication range radius 20 meters (barrier-free)



NB-IoT module

- Supports telecom Ctwing or mobile OneNet platform
- Standby power consumption 10uA



Bluetooth Gateway (GW03)

- Support Bluetooth communication with door lock
- Communication range radius 5 meters (barrier-free)
- Supports up to 10 Bluetooth communications



WIFI module

- Direct connection to router, no gateway required, data upload in real time
- Ultra-low power consumption, standby power consumption 10uA
- Use financial-grade secure encryption

Supporting hardware equipment



Card Issuing Equipment

1. Support Ethernet and server connection
2. Support Web-side network configuration to realize switching between different IP segments
3. The experience is perfectly close to the traditional card issuer card reading and writing operation experience
4. Support operations across systems, including support and not limited to

Windows/Linux/osx/ios/Android and other operating systems

5. Third-party docking is friendly, PMS/self-service check-in machine/customer control system can directly Connect to the server to complete the docking of the network card issuer MNR-600



Fingerprint collector

1. Support Ethernet and server connection
2. Support Web-side network configuration to realize switching between different IP segments
3. The experience is perfectly close to the traditional card issuer card reading and writing operation experience
4. Support operations across systems, including support and not limited to

Windows/Linux/osX/ios/Android and other explosive systems

5. Third-party docking is friendly, PMS/self-service check-in machine/customer control system can directly Connect to the server to complete the docking of the network card issuer MNR-6632



Network power switch

1. Working voltage: 220VAC Working current: 100mA
2. Support networking linkage with door lock BLE
3. Supports card power withdrawal, offline password/Bluetooth unlocking and anti-locking power withdrawal
4. Support time control and room control functions
5. Support reporting of abnormal power withdrawal events
6. Support OTA upgrade function
7. Dimensions: 86mmx86mmx46mm

