



## G510S Doorphone User Manual

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## 1 Product Overview

### 1.1 Product Introduction

G510S is a 5-inch touchscreen network doorphone with audio and video intercom, access control, monitoring and alarm functions. It can be used in applications such as villas, residential buildings, and more.

This product supports four configuration methods: direct hardware configuration, backend configuration, IDMC configuration and Nex Smart Cloud Platform Configuration.



## 1.2 Interface Introduction

**Ethernet (POE) :** Provides both power and network connectivity

**12V-15V/GND:** External power input

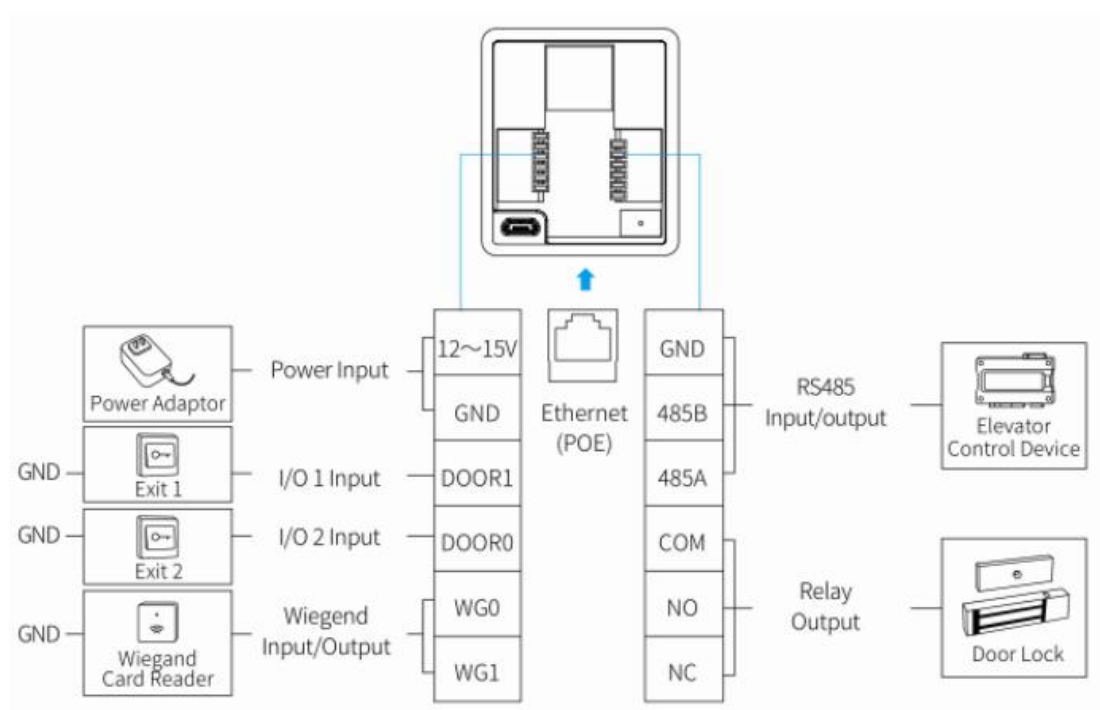
**NO/COM/NC:** Relay control port

**RS485A/B:** RS485 port

**DOOR0/GND:** Internal door opening

**DOOR1/GND:** Input port

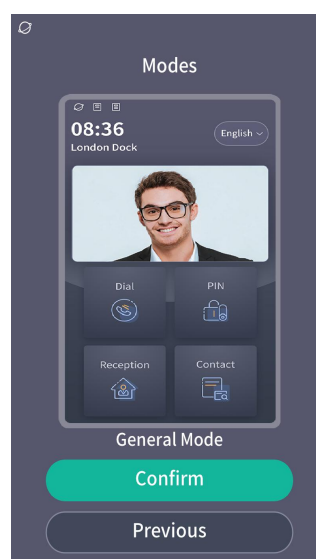
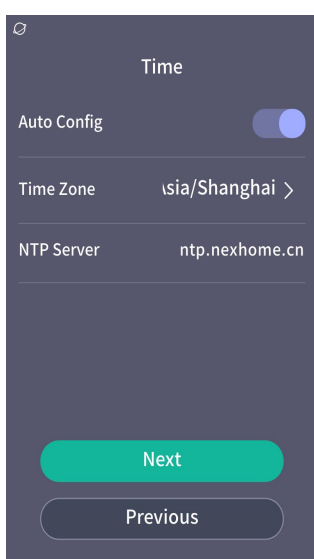
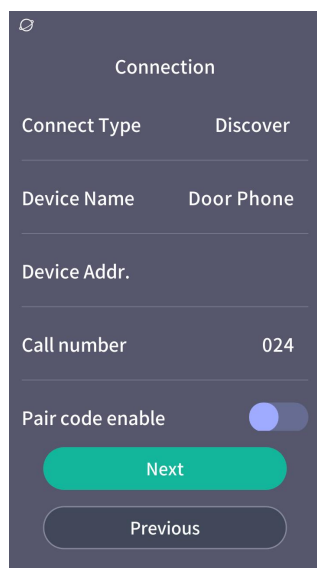
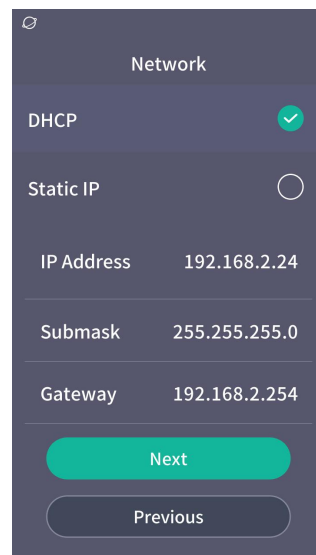
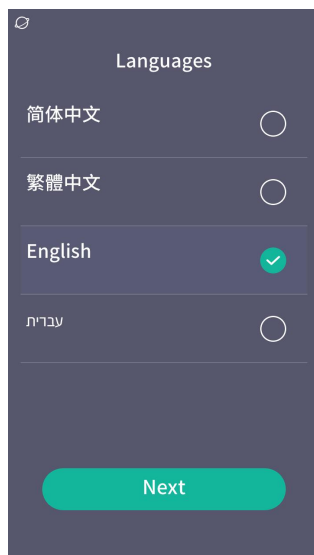
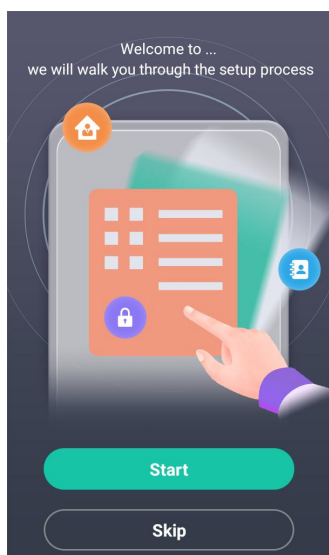
**WG0/WG1/GND:** Wiegand interface



## 2 User Guide

### 2.1 First configuration

When starting the device for the first time, the user must perform language configuration (Simplified Chinese, Traditional Chinese, English, Hebrew), network configuration (DHCP, static IP), connection type setting (Discovery, Cloud), and mode selection (General mode, Doorbell mode, Access mode, Directory mode).



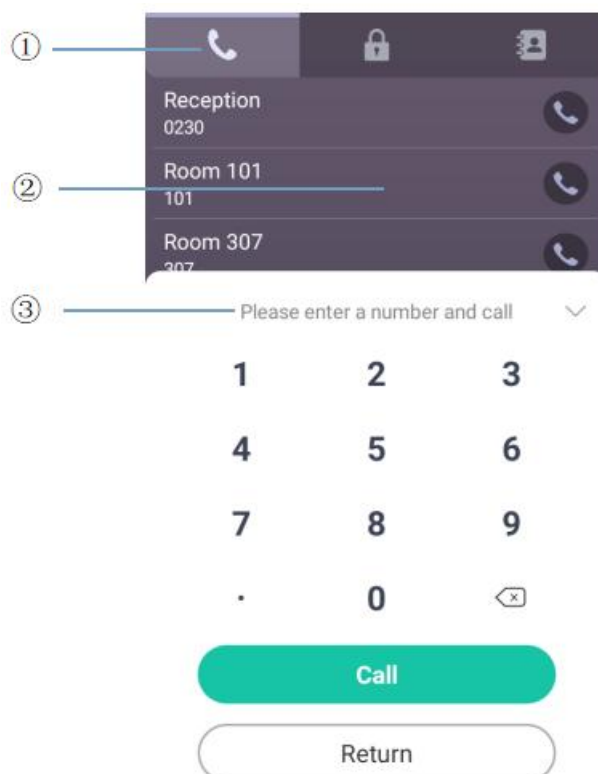


## 2.2 Dialing

### 2.2.1 Outgoing Calls

By clicking the dial button on the main screen, you can enter the call interface. You can directly click the dial button to start the call, or enter the call number or SIP account on the keyboard and click the call button to make the call. Alternatively, you can click on the address book on the main screen and select the device you want to call from the list to initiate the call.

This device supports group calling function, which means it can simultaneously call multiple indoor units. Simply select the group you want to call from the address book.



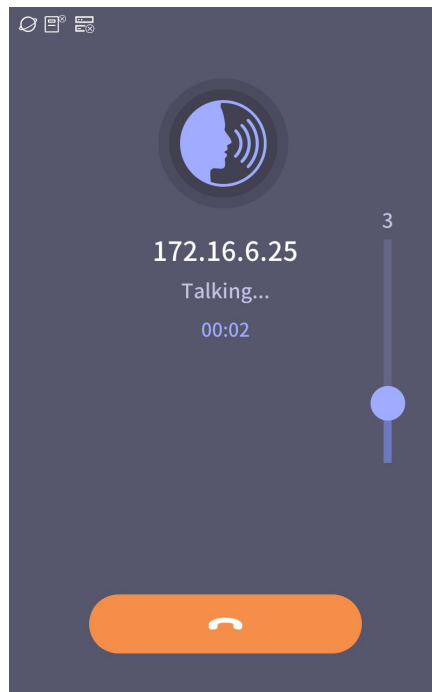
## 2.2.2 Incoming Calls

When there is an incoming call and automatic answer is not enabled on the web, click the green answer button on the screen to answer the conversation, and click the red hang up button to hang up the call.



## 2.2.3 During a call

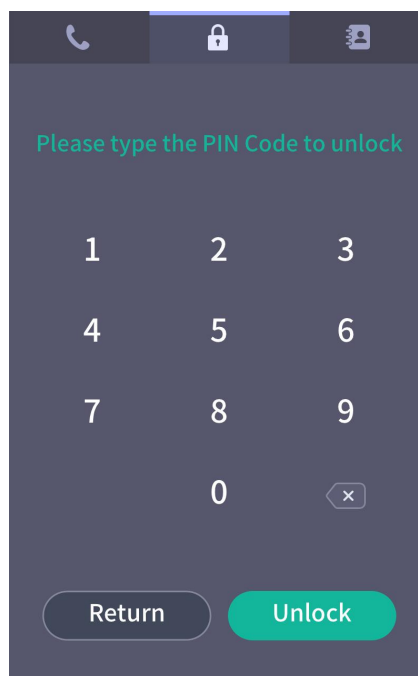
After clicking the green button to answer, enter the call interface. The volume bar on the right can adjust the call volume. Clicking the red button at the bottom of the interface will end the call.



## 2.3 Unlocking

### 2.3.1 Password Unlocking

Click on the **PIN** button on the main screen and enter the password, then click **Unlock** button to unlock.



### 2.3.2 Card Unlocking

Place the entered card in the card sensing area of the device, and the door lock will automatically open.

### **2.3.3 Face Unlocking**

Directly approach the face to the screen, and if the face is valid, the device will prompt for successful door opening.

### **2.3.4 DTMF Unlocking**

Call the other party, and after the other party answers, enter the DTMF code (default is the "#" key), and the device prompts that the door has been opened successfully.

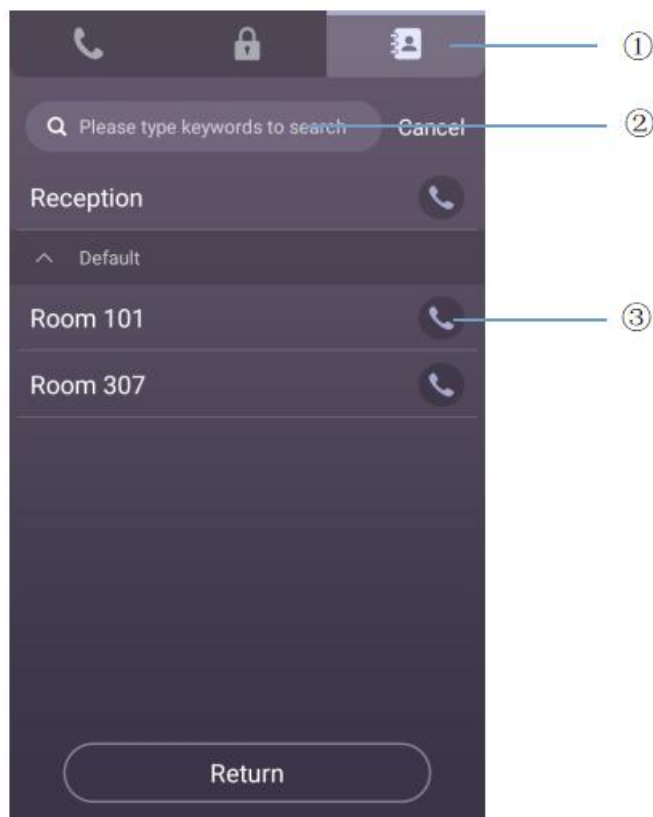
### **2.3.5 QR code Unlocking**

Use a recognizable access control QR code. If the QR code is within its validity period, place it close to the screen and unlock it.

## 2.4 Address Book Search

Click on the address book button① on the main screen to enter the address book

- Enter numbers or letters in the input box to search②, support fuzzy search.
- Scroll up and down the list to select a contact, and click the contact tab or the call button.③



## 3 Configuration Tutorial

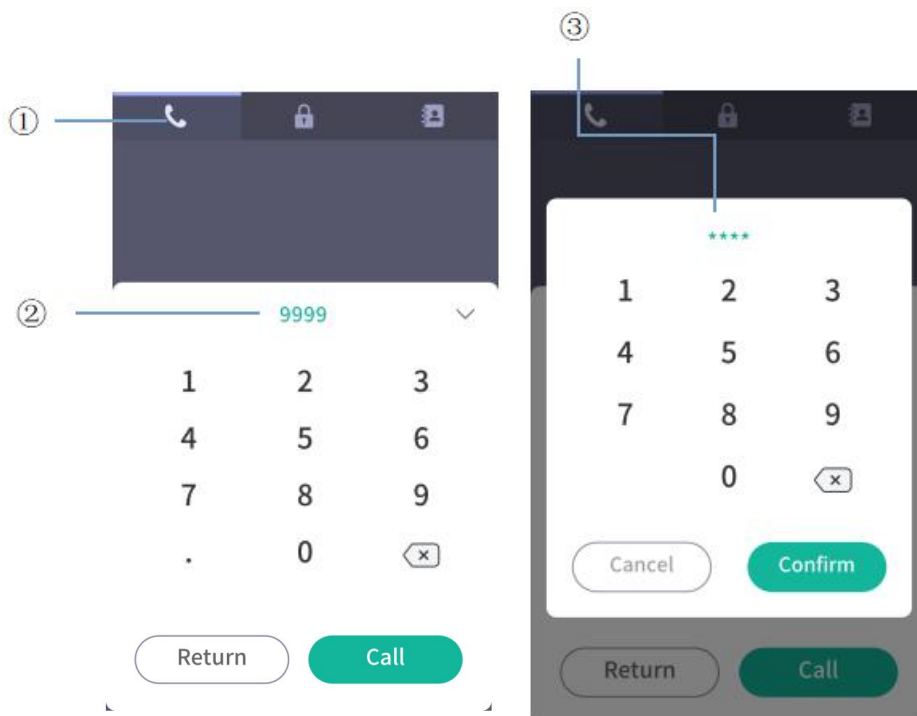
### 3.1 Accessing the Backend Interface

#### 3.1.1 Accessing the Device-side Backend

① Click on dialing button on the main interface.

② Enter 9999 and call to pop up the project password menu.

③ Enter the password 3888 and click OK to enter the device backend interface.



## 3.1.2 Checking the Device IP Address

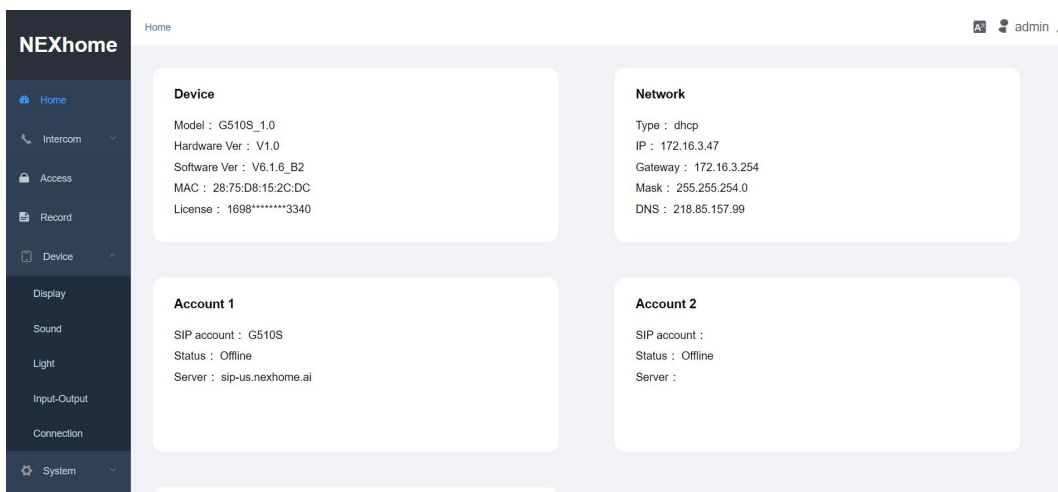
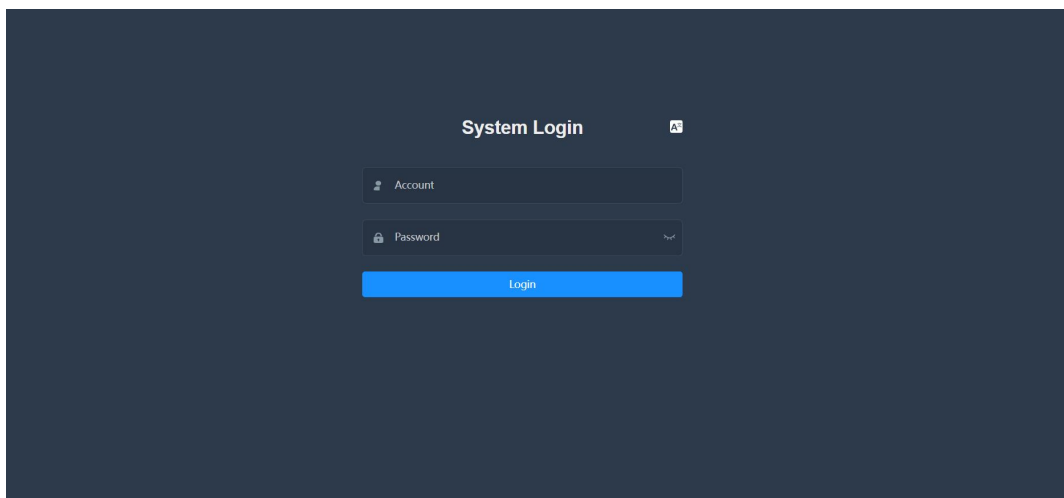
After entering the device backend, click the status information button to view the device's network address, version information and connection status.





## 3.1.3 Accessing the Web-side Backend

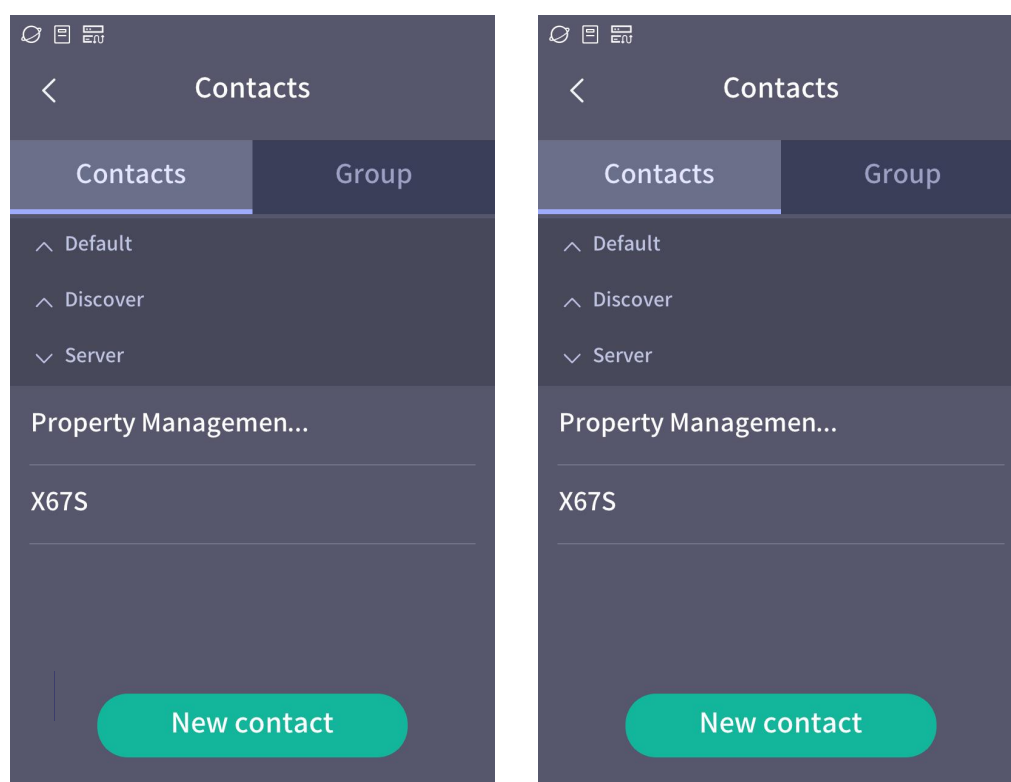
Enter the network address of the device on the webpage, click Enter to enter the web backend login interface, enter the account (default is admin) and password (default is 123456), and click Login to enter the web backend.



## 3.2 Intercom Configuration

### 3.2.1 Address Book Setting

In the device engineering settings interface, you can add, modify, and delete local contacts and local contact groups in **Contacts**.



In the web backend, you can view existing address books in the intercom address book, and you can click the add button at the top right to add new contacts. The add button at the bottom right can create a new contact group. When creating a new contact, it is necessary to fill in the contact's display name, call number, and SIP number.

NEXhome

Home

Intercom

Contacts

Account

Advanced

RTSP

Access

Record

Device

System

Contacts

Contact

SIP account

All

Search

+ Add

Delete

<input type="checkbox"/>	Index	Contact Name	Call number	SIP number	Top	Group	SIP account	Email	Source	Actions
<input type="checkbox"/>	1	222, building01	01222	grpxf0wxyf3yu b959c8q9rt	No	Server	Account 1		Server	
<input type="checkbox"/>	2	CYX	002	MapowQ6YgV nIHJ4BvpojaQ	No	Default	Account 1		Local	
<input type="checkbox"/>	3	YWL	001	M3tZiapuoRz AVxsnsTYLNT I	No	Default	Account 1		Local	

Total 3

10/page

< 1 >

Go to 1

Group

<input type="checkbox"/>	Index	Group name	Source	Actions
<input type="checkbox"/>	1	Default	Local	
<input type="checkbox"/>	2	Discover	Discover	
<input type="checkbox"/>	3	Server	Server	

+ Add

Delete

After selecting a contact on the left side of the contact list, you can click the delete button in the upper right corner to delete the local contact; After selecting a contact group on the left side of the contact list, you can also click the corresponding delete button on the right side to delete the contact group, which supports batch deletion.

To edit a contact or contact group, you can enter the editing interface by clicking the edit button at the far right of the list.

Edit the group name to modify the group name displayed in the device address book interface.

NEXhome

Home

Intercom

Contacts

Account

Advanced

RTSP

Access

Record

Device

System

Contacts

Contact

SIP account

All

Search

+ Add

Delete

<input type="checkbox"/>	Index	Contact Name	Call number	SIP number	Top	Group	SIP account	Email	Source	Actions
<input type="checkbox"/>	1	222, building01	01222	grpxt0wxy3yu p959c8q8rt	No	Server	Account 1		Server	
<input type="checkbox"/>	2	CYX	002	MapowQ6YgV nIHJ4BvpjaQ	No	Default	Account 1		Local	
<input type="checkbox"/>	3	YWL	001	M3lZlapuRz AVxsnsTYLNT I	No	Default	Account 1		Local	

Total 3 10/page 1 Go to 1

Group

<input type="checkbox"/>	Index	Group name	Source	Actions
<input type="checkbox"/>	1	Default	Local	
<input type="checkbox"/>	2	Discover	Discover	
<input type="checkbox"/>	3	Server	Server	

+ Add Delete

Add

\* Contact Name

\* Call number

\* SIP number

SIP account

Account 1

Account 2

IP Calling

Group

Default

Email

☐ Top

Submit

Cancel

## 3.2.2 Call Setting

In the web backend, enter the Inertcom-Advanced section. You can check audio coding, set available coding, set video coding rate, resolution, coding load, and set DTMF type and load. You can also set the maximum talk time, maximum call-in time, and maximum call-out time, as well as whether to enable automatic answering and the delay time for automatic answering.

Home / Intercom / Advanced

admin

### Audio coding

Alternative coding 0/2

G722

G729

Available coding 0/2

PCMU

PCMA

Video coding

Codec: H264

Resolution: 720P

Code rate: 1024 kbps

Coding load: 97

DTMF

Type: RFC2833

Load: 101

Save

### DTMF

Type: RFC2833

Load: 101

Save

### Call settings

\* Maximum talk time: 5 Minute

\* Maximum call-out time: 60 Second

\* Maximum call-in time: 60 Second

\* Group Calling: Enabled

Save

### Auto Answer

Enable: ☒

\* Auto Answer Delay: 0 Second

Auto Answer Mode: Audio

Save

## 3.2.3 SIP Account Setting

In the device backend, click the **SIP Account** button to set the SIP account information. You can also automatically synchronize the settings after binding the server.

In the web backend, you can set up a SIP account in the intercom account.

## 3.3 Access Control Configuration

### 3.3.1 Adding New Passwords

In the device backend, after clicking on **Credentials** button, you can view or edit all current access control and their effective dates. By clicking the "Add" button, you can add a new access card, password, or facial access control. You can choose to apply access control to three different doors A, B, and C.

In the web backend, in the **Access** section, you can click the "Add" button to add a new access control. The following is the relevant information that needs to be filled in:

**Name:** Customer Name

**Card number:** IC card number, please swipe the card once first to obtain the card number record

**PIN:** Access control password

**Valid date:** The effective date of the card, which defaults to 2200 years from the current day

The screenshot shows a mobile application interface for adding new access credentials. The form is titled 'Add' and includes the following fields and options:

- Name:** A text input field for the customer name.
- Select at least one way to unlock:** A section with three radio button options:
  - Card:** Selected by default, with a right arrow indicating further configuration.
  - PIN:** An option for password-based access.
  - Face:** An option for facial recognition access, also with a right arrow.
- Valid date:** A date range selector showing '2023.09.06-2200.01.01' with a right arrow for more options.
- Door A:** A checkbox to select which door the access control applies to.
- Save:** A large green button at the bottom to save the configuration.

**Valid weekday:** Card effective period, mu

**Valid hours:** The effective period of the card, default to 00:00 to 23:59,can set multiple

**Upload photos:**Upload photos to the device for facial recognition

The screenshot shows the 'Add' modal in the NEXhome web interface. The modal contains the following fields and options:

- Name:** A text input field.
- Card number:** A text input field.
- PIN:** A text input field.
- Valid date:** A date range selector showing '2023-09-07' to '2200-01-01'.
- Valid weekday:** A section with a checked 'All' option and checkboxes for 'Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', and 'Saturday'.
- Valid hours:** A section with an 'Add' button and a time range selector showing '00:00:00' to '23:59:59'.
- Valid Door:** A section with checkboxes for 'Door A', 'Door B', and 'Door C'.
- Upload:** A blue button for uploading a photo.
- Confirm/Cancel:** Buttons at the bottom of the modal.

## 3.3.2 Relay Setting

In the web backend, enter **Device-Input-Output-Relay** can set the relays.

The screenshot shows the 'Relay' settings page in the NEXhome web interface. The page includes the following fields and options:

- ID:** A dropdown menu showing 'Relay1'.
- Hold delay(s):** A dropdown menu showing '3s'.
- DTMF Mode:** A dropdown menu showing '1 Digit DTMF'.
- DTMF:** A text input field showing '#'.
- Relay Name:** A text input field showing 'relay'.
- Save:** A blue button at the bottom.



**Number:** Relay number, including relay 1, relay 2, and relay 3.

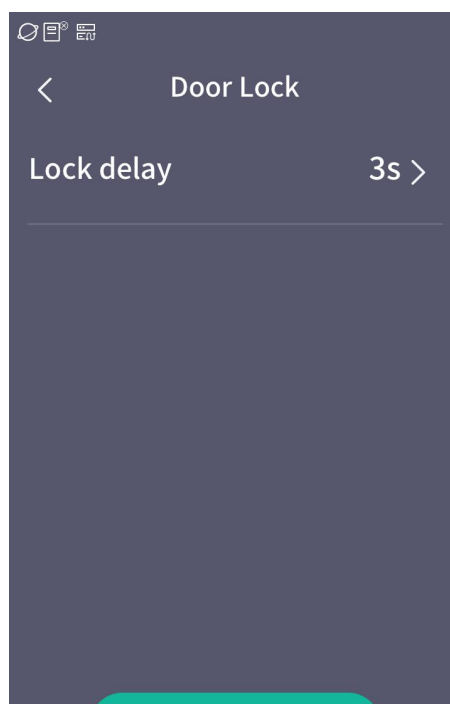
**Hold delay:** The relay remains in the triggered state for a certain period of time before resetting, i.e. the door opening hold time

**DTMF mode:** The input digit of the DTMF code, defaults to 1 digit

**DTMF:** The input DTMF code, which defaults to #, is used for remote door opening

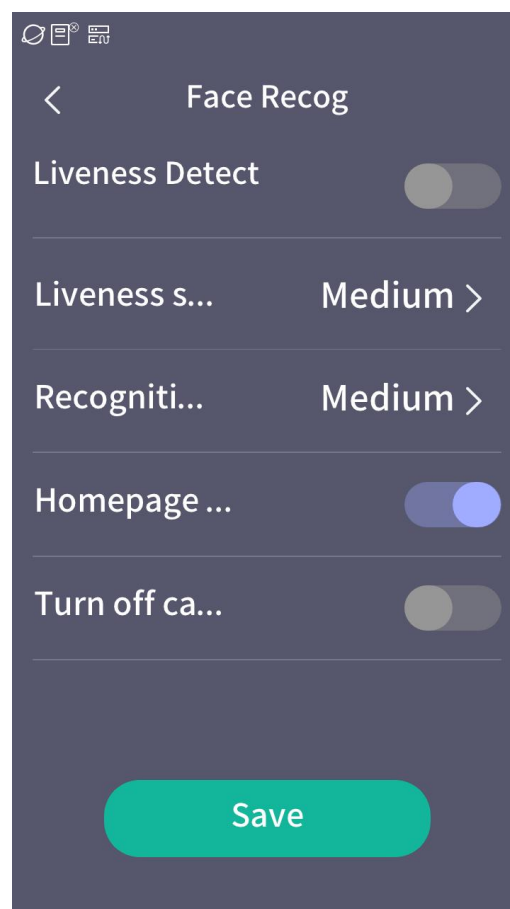
### 3.3.3 Door Lock Delay Setting

In the device backend, click the **Door Lock** button to set the door lock delay time.



## 3.3.4 Face Recognition

In the device backend, enter the facial recognition interface to enable or disable liveness detect and configure recognition sensitivity. You can turn on or off the QR code recognition on the home screen, as well as enable or disable the camera off function.



In the device's web backend, in **Access-Authentication Setting**, enable or disable face liveness detect, set the liveness detect strictness level, face recognition sensitivity, face recognition resolution, enable or disable the QR code recognition on the homepage, configure the card number matching mode, and select the unlocking type of illegal unlocking report snapshot.

NEXhome

Home

Intercom

Access

Record

Device

Display

Sound

Light

Input-Output

Connection

System

Basic

Authentication Setting

Face Liveness Enable

Enabled

Liveness strict level

High

Face Recognition

Max

Sensitivity

Turn off camera when

idle

Disable

Homepage Qrcode

Recognition

Enabled

Card number match type

Full match

Illegal unlocking report

capture

Select

Save

## 3.3.5 Wiegand

In the device's web backend, in the **Device - Input/Output - Wiegand** section, you can configure the Wiegand type (26/34), Wiegand mode, functions, Wiegand sequence, Wiegand output sequence. If the mode is set to output, you need to enable the Wiegand output PIN.

NEXhome

Home

Intercom

Access

Record

Device

Display

Sound

Light

Input-Output

Connection

Save

Wiegand Setting

Wiegand type

Wiegand-26

Wiegand mode

Input

Fuction

Relay

Wiegand sort

Ordinal

Wiegand output sort

Ordinal

Wiegand output PIN

Disable

Save

RFID

Card number

8HN

display

## 3.3.6 RFID Copy Prevention

In the web backend of the device, you can set the card number display type (the same as the card number display type in **Access** interface), IC card anti duplication level, and read-write sector in the **Device -Input/Output- RFID**.

NEXhome

Home

Intercom

Access

Record

Device

Display

Sound

Light

Input-Output

Connection

System

Basic

Wiegand output PIN

Disable

Save

RFID

Card number

8HN

display

IC card copy

Difficult

protection level

Default section

0

Default block

1

Key A

FFFFFFFFFFFF

Key B

FFFFFFFFFFFF

Save

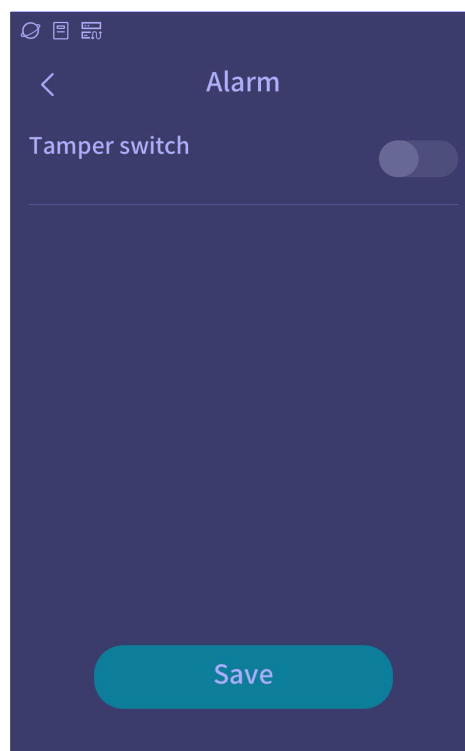
Other Setting

## 3.4 Alarm Setting

### 3.4.1 Tamper Alarm

In the device backend, click the **Alarm** button to set the tamper alarm on or off. Click the black protruding button on the right side of the device back to release the tamper alarm.

You can enable or disable motion detection and configure the reporting interval for trigger events.



In the device's web backend, in the **Device - Input/Output**

**Setting - Other** section, you can enable or disable the tamper-proof alarm. To deactivate the tamper-proof alarm, simply press the black protruding button located on the right side of the device's back.

You can enable or disable motion detection and configure the reporting interval for trigger events.

## Other Setting

Dismantle

Motion Detection

Motion Detection    Seconds  
Interval

Save

## 3.4.2 Door Magnetic Alarm

In the web backend, you can configure the door magnet alarm in the Device-Input-Output, in the Input Port section, select the function as Magnetism.

NEXhome

Contacts

Account

Advanced

RTSP

Access

Record

Device

Display

Sound

Light

Input-Output

Connection

Save

Input port

ID

Input port1

Trigger state

Low

Fuctionon

Relay

Relay ID

Relay1

Hold delay(s)

0s

Port name

input1

Save

Other Setting

Dismantle

Disable

Save



## 3.5 Internal Door Opening/Door Magnetic Setting

In the backend of the web side, you can select the function to set the internal door opening for the relay in the input port section of Device-Input-Output Setting, and you can configure the ID, trigger state, function, hold relay time and name of the input port. Select the function as door magnet, you can configure the number, door magnet type, holding delay and input port name.

**NEXhome**

- Contacts
- Account
- Advanced
- RTSP
- Access
- Record
- Device
- Display
- Sound
- Light
- Input-Output
- Connection

Save

### Input port

ID

Trigger state

Fuctionon

Relay ID

Hold delay(s)

Port name

Save

### Other Setting

Dismantle

Save

## 3.6 System Logs

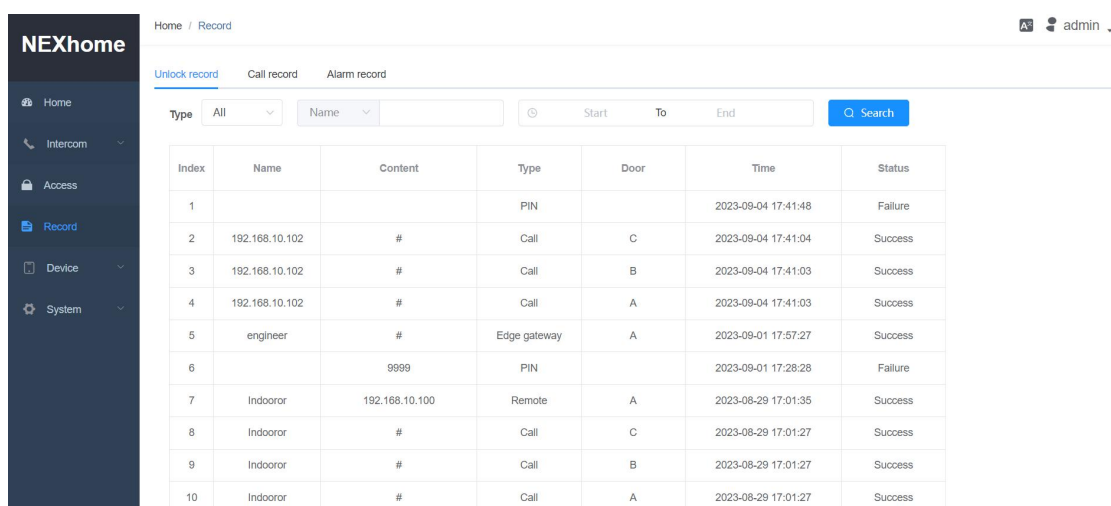
### 3.6.1 Record

In the web backend, various records of the device can be viewed in the **Record**, including the following:

**Unlock record:** various methods such as card swiping, facial recognition, password, and DTMF for door opening records and snapshots.

**Call record:** Record of the calling party and the record of being called

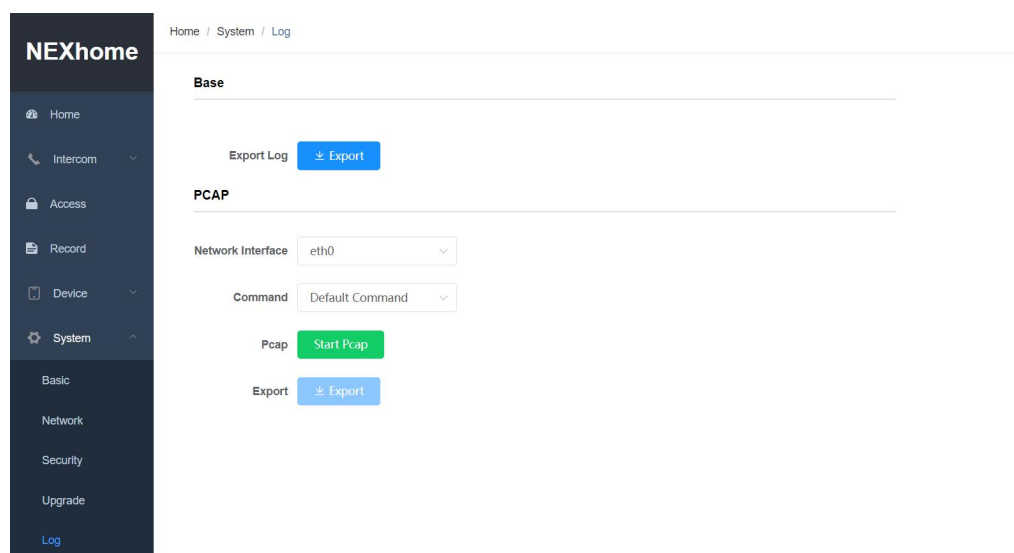
**Alarm Record:** Device alarm record including magnet alarm and dismantle alarm



Index	Name	Content	Type	Door	Time	Status
1			PIN		2023-09-04 17:41:48	Failure
2	192.168.10.102	#	Call	C	2023-09-04 17:41:04	Success
3	192.168.10.102	#	Call	B	2023-09-04 17:41:03	Success
4	192.168.10.102	#	Call	A	2023-09-04 17:41:03	Success
5	engineer	#	Edge gateway	A	2023-09-01 17:57:27	Success
6		9999	PIN		2023-09-01 17:28:28	Failure
7	Indooror	192.168.10.100	Remote	A	2023-08-29 17:01:35	Success
8	Indooror	#	Call	C	2023-08-29 17:01:27	Success
9	Indooror	#	Call	B	2023-08-29 17:01:27	Success
10	Indooror	#	Call	A	2023-08-29 17:01:27	Success

## 3.6.2 Logs and Packet Grabbing

In the backend of the web side ,enter System - Log setting,  
you can export the logs in .tgz zip format which can also be

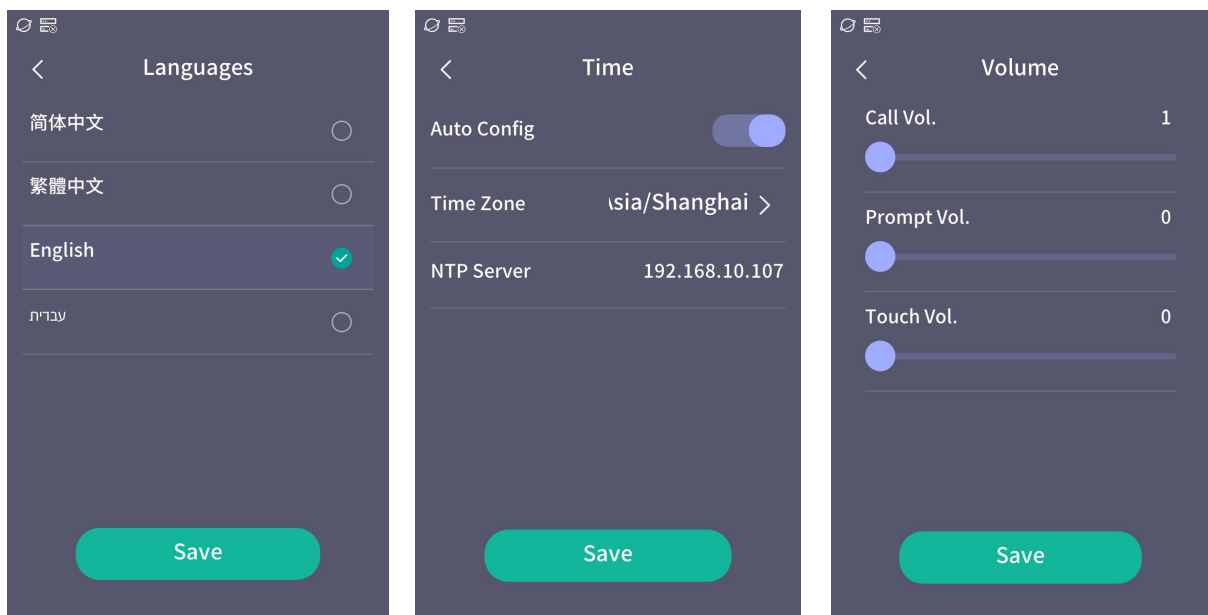


grabbed.

## 3.7 System Settings

### 3.7.1 Language, Volume, and Time

On the device backend page, click on **Language** settings to change the device display language. Currently, it supports Simplified Chinese, Traditional Chinese, English, and Hebrew. Click on the **Volume** settings to set the call volume, prompt volume, touch volume and alarm volume. Click on **Time** settings to set the time zone and the time server to connect to. You can also cancel automatic settings and manually set the device time instead.



In the web side, you can set the language of the web in the upper right corner of the page, which supports Simplified Chinese, Traditional Chinese and English. In System-Basic Settings, you can set the language of web and device, and you can also set the Time zone and NTP server, also there are two ways of automatic time calibration and manual time calibration. In addition, you can set daylight saving time. In Device-Sound Settings, you can set the call volume, prompt volume, touch volume and alarm volume. In Device-Display Settings, You can set the home page language options, the

NEXhome

Home

Intercom

Access

Record

Device

System

Basic

Network

Security

Upgrade

Log

Home / System / Basic

Language

WEB English

Device English

Volume

Call Vol. 1

Prompt Vol. 0

Touch Vol. 0

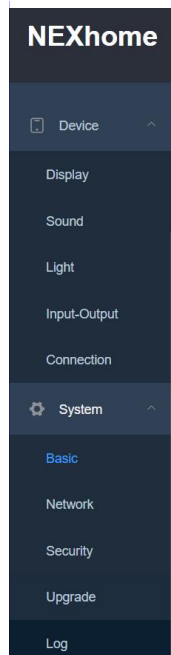
Save

Time

Timing mode Auto Manual

Date settings 2023-09-07 10:23:26

it.



### Daylight saving time

Func enable

\* Offset  Minutes

☒ Date mode

Start time  month  day  hour

End time  month  day  hour

☐ Week mode

Start month

End month

Start week

End week

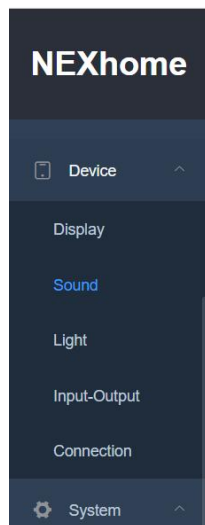
Start day

End day

Start hour

End hour

Save



Home / Device / Sound

### Volume

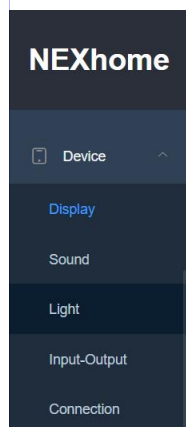
Call Vol.

Prompt Vol.

Touch Vol.

Alarm Vol.

Save



### Homepage

Language ☒ English ☒ 简体中文 ☒ 繁體中文 ☒ עברית

Default language  Seconds

reset timeout

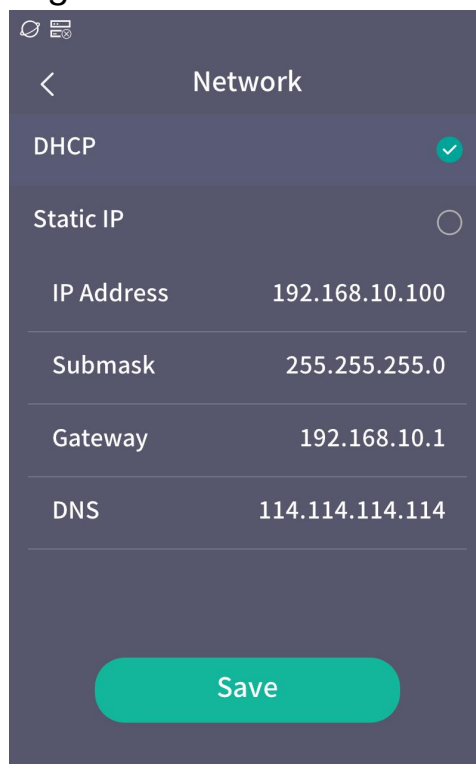
Description

Save

### Mode

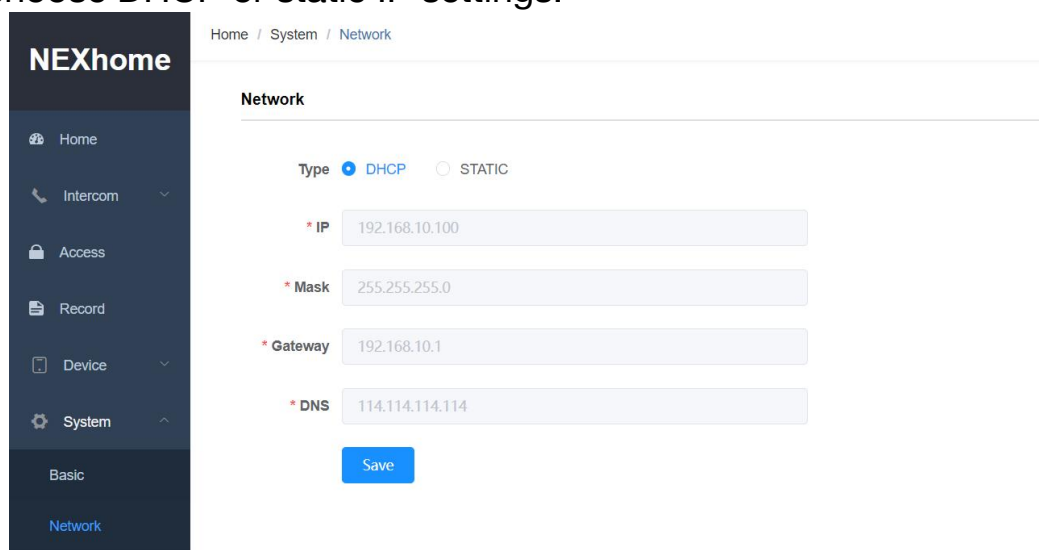
## 3.7.2 Network Settings

In the device backend, click on **Network** setting to change the current network settings and select DHCP or static IP settings.



A screenshot of a mobile application interface for network settings. At the top, there is a back arrow and the title "Network". Below this, there are two options: "DHCP" with a green checkmark in a circle, and "Static IP" with an empty circle. Under "Static IP", there are four rows of settings: "IP Address" with the value "192.168.10.100", "Submask" with "255.255.255.0", "Gateway" with "192.168.10.1", and "DNS" with "114.114.114.114". At the bottom, there is a large green button labeled "Save".

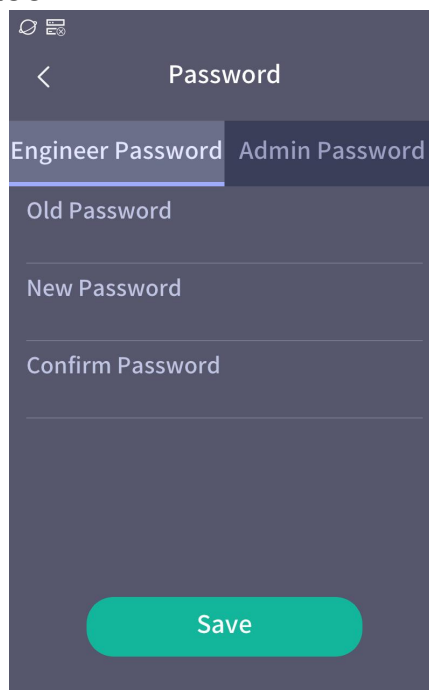
In the **System-Network** settings on the web side, you can also choose DHCP or static IP settings.



A screenshot of a web interface for network settings. On the left is a dark sidebar with the "NEXhome" logo and a menu with items: Home, Intercom, Access, Record, Device, System, Basic, and Network. The main content area has a breadcrumb "Home / System / Network" and a title "Network". Below the title, there is a "Type" section with radio buttons for "DHCP" (selected) and "STATIC". Below this are four input fields, each with a red asterisk label: "\* IP" with "192.168.10.100", "\* Mask" with "255.255.255.0", "\* Gateway" with "192.168.10.1", and "\* DNS" with "114.114.114.114". At the bottom, there is a blue button labeled "Save".

## 3.7.3 Password Settings

In the device backend, click the **Password** button to change the password for logging in to the engineering interface and logging in to the web interface.



In the **System-Security** settings on the web side, the password for logging into the web interface can be changed.

Home / System / Security

### Change Password

\* Old password

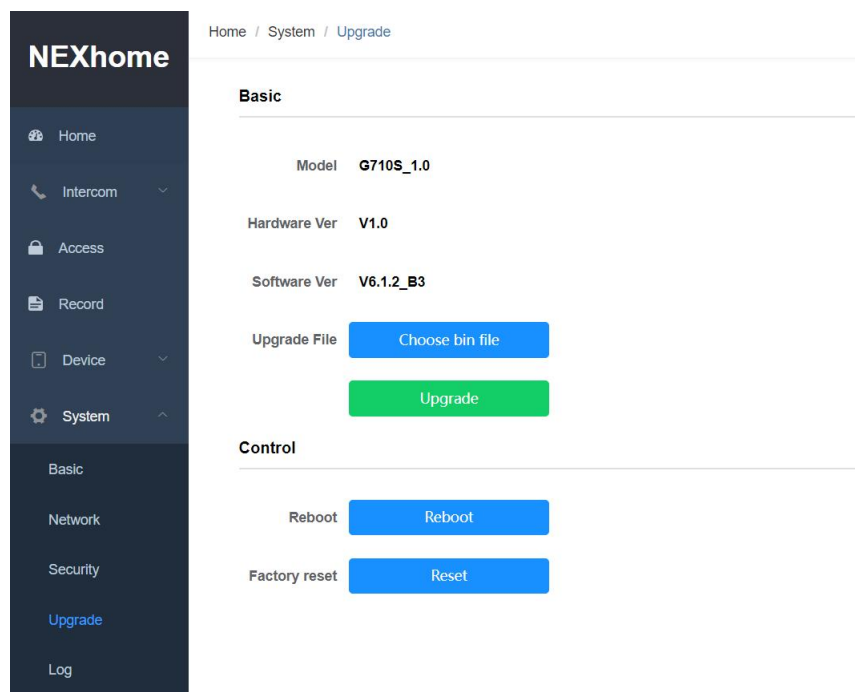
\* New password

\* Confirm password



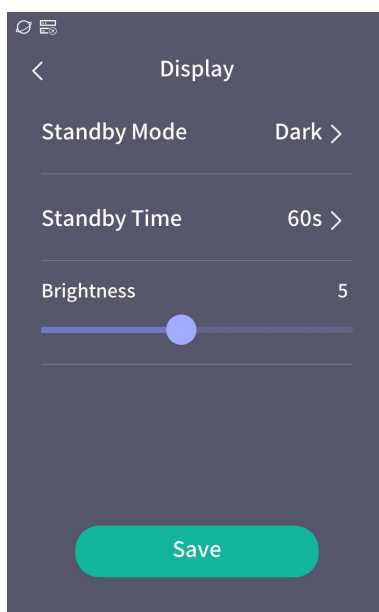
## 3.7.4 Firmware Upgrade

In the **System-Upgrade** of the web side, you can view the current version number of the device and use the .bin file to upgrade the device software.

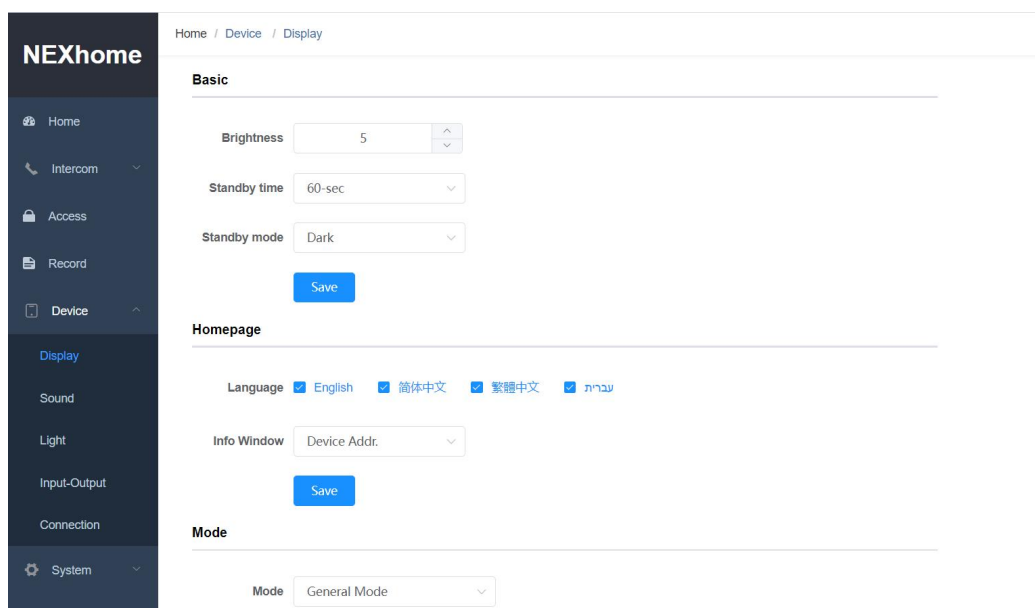


## 3.7.5 Screen Settings

On the engineering interface of the device side, click the **Display** button to set the standby model and standby time of the device, and also to change the brightness of the screen.

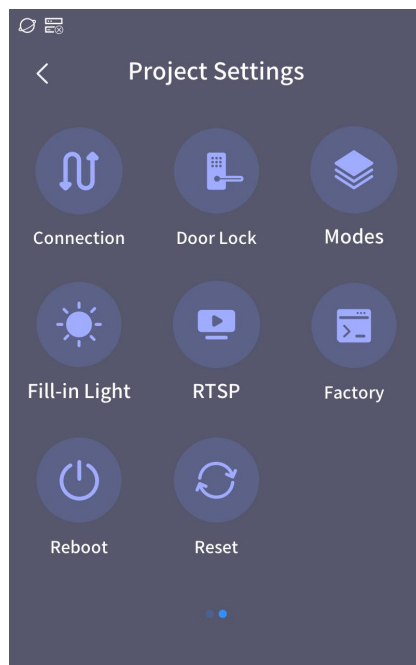


In Device - Display Settings - Basic of the web side backend, you can also set the brightness of the device screen, the standby time and the standby mode.

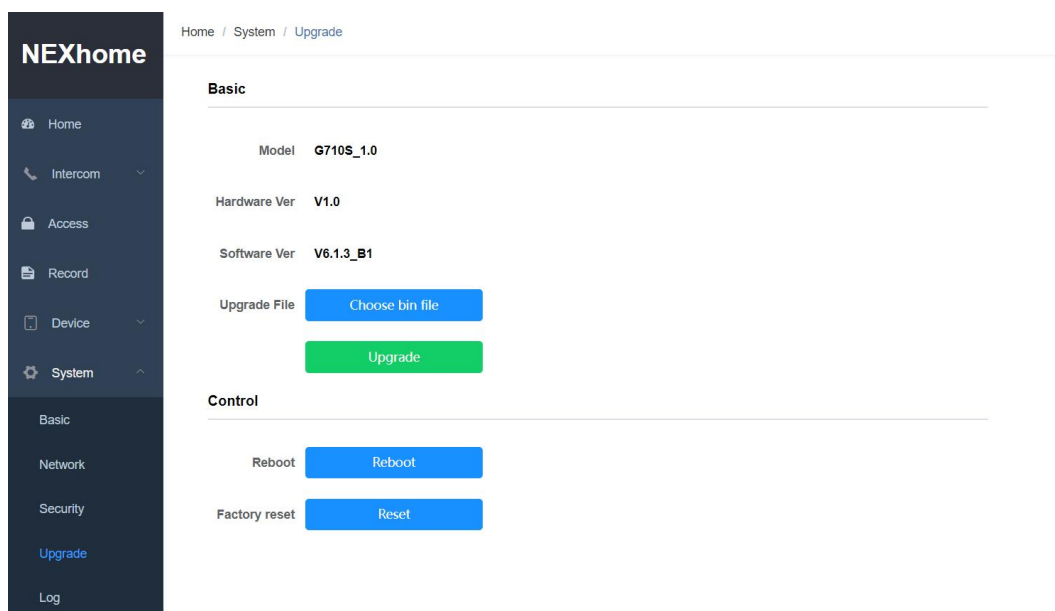


## 3.7.6 Restart and Reset

In the device backend, click the **Reboot** button to restart the device, and click the **Reset** button to reset the device.



In the System-Upgrade section on the web side, the device can be reboot or reset.



## 3.7.7 Modes Settings

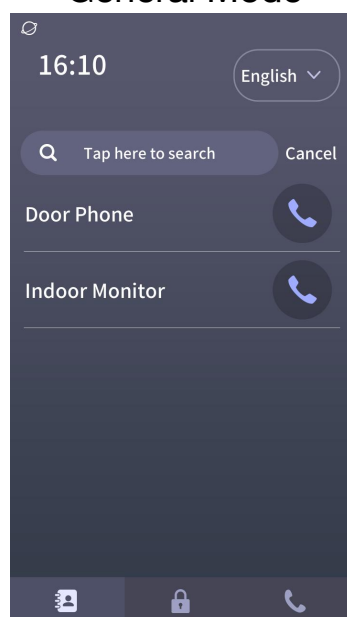
In the backend on the device side, click the Mode button to display the different main menus of the device, including General Mode, Access Mode, Doorbell Mode, and Directory Mode.



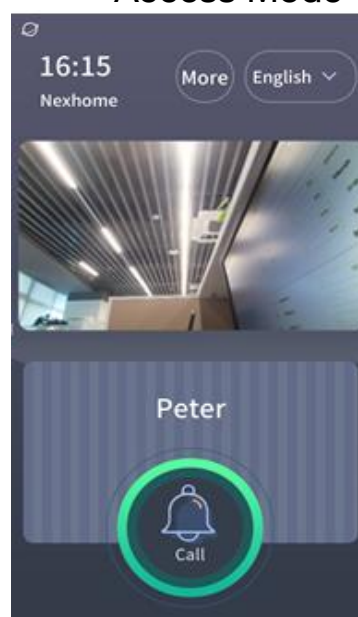
General Mode



Access Mode



Directory Mode



Doorbell mode

In the Device-Display-Mode of the web side,the different main menus of the device can also be selected,again including General, Access, Doorbell and Directory modes.

In the button icon, you can choose to set the dial, password, address book, QR code button icon.

**NEXhome**

Home

Intercom

Access

Record

Device

Display

Sound

Light

Input-Output

**Mode**

Mode: General Mode

Button1: Call Name: Call

Button2: PIN Name: PIN

Button3: Contacts Name: Contacts

Button4: None

Button5: None

Button6: None

Buttonwin Text

Save

## 3.7.8 Contacts Page Settings

In the **Device-display** on the web side, You can choose whether to display the group name in the address book, You can also choose whether to enable the address book search function.

NEXhome

Home

Intercom

Access

Record

Device

Display

Sound

Light

Input-Output

Connection

System

Icon

Button Type

Call

Save

Contacts Page

Group Name

Disable

Display

Contacts

Disable

Search

Save

Other Setting

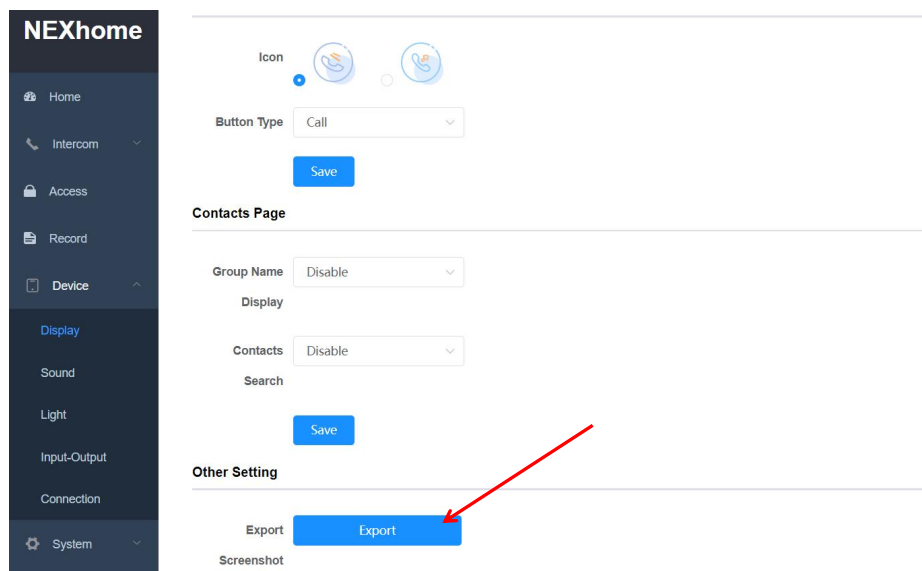
Export

Export

Screenshot

## 3.7.9 Device screenshot

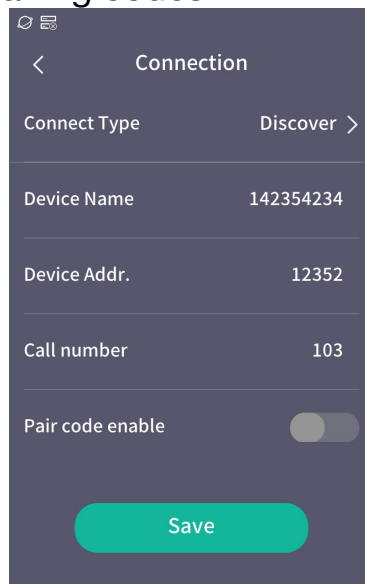
In the Device-Display Settings of the web side backend, in the Other Setting section, click the Export screenshot button to export the image of the current interface of the device.



## 3.8 Advanced Settings

### 3.8.1 Connection Settings

In the device backend, click the **Connection** Settings button, select the type of connection (usually self discovery mode), modify the device name, address, call number, and select whether to enable pairing codes.



Connection

Connect Type Discover >

Device Name 142354234

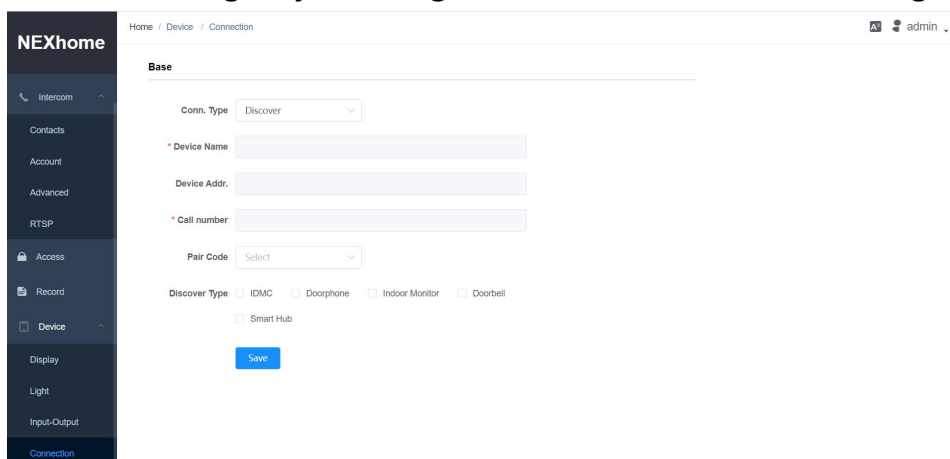
Device Addr. 12352

Call number 103

Pair code enable ☐

Save

In the web backend, you can also change the device's connection settings by clicking **Device-Connection** Settings.



NEXhome

Home / Device / Connection

admin

Base

Conn. Type Discover

\* Device Name

Device Addr.

\* Call number

Pair Code Select

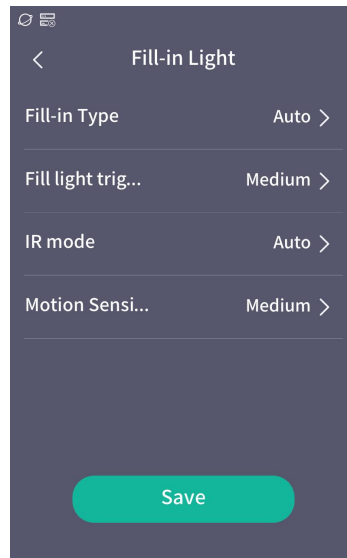
Discover Type ☐ IDMC ☐ Doorphone ☐ Indoor Monitor ☐ Doorbell ☐ Smart Hub

Save

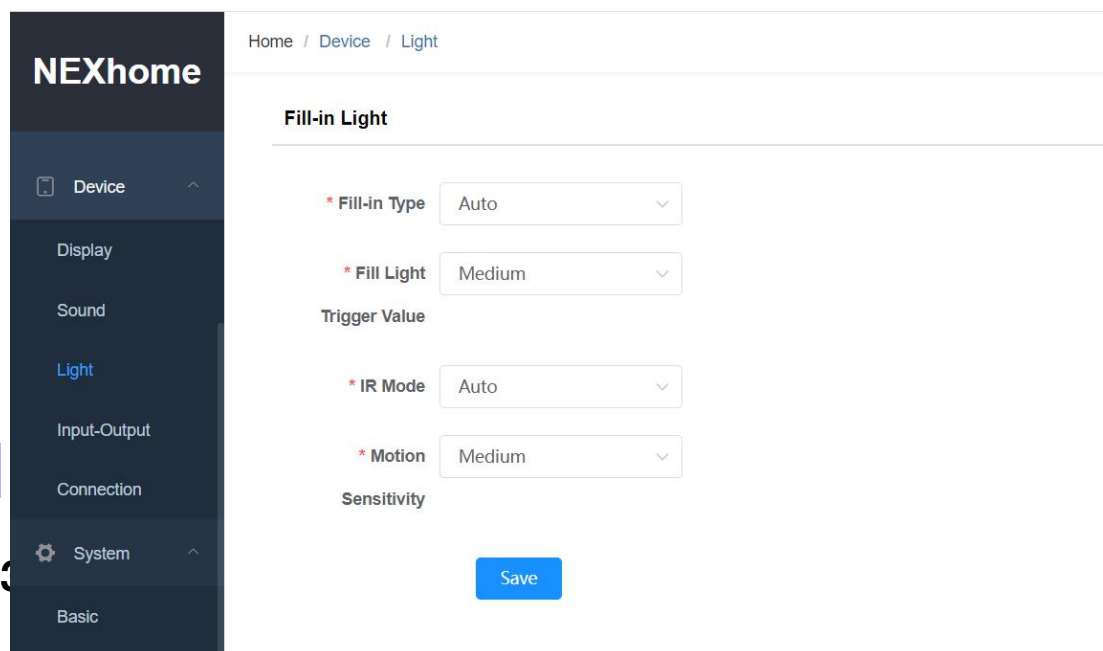


## 3.8.2 Light Settings

In the device backend, click the **Fill-in Light** button to set the fill light type and infrared light mode.

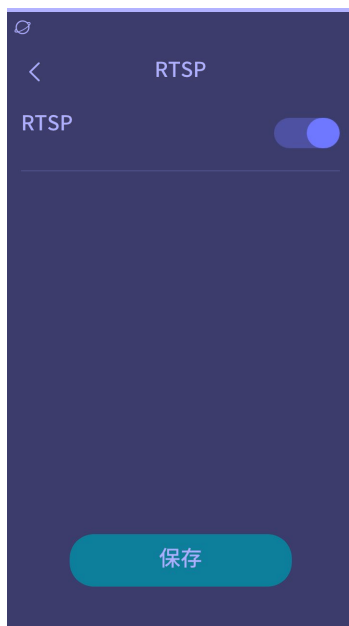


In the web backend, you can also change the device's lighting settings by clicking on **Device-Light** Settings.



In the backend of the device side, click the **RTSP** button to

choose whether to enable RTSP



In the web backend, click on **Intercom-RTSP** to set RTSP related parameters.

 A screenshot of a web application interface. On the left is a dark sidebar with the 'NEXhome' logo and a menu containing 'Home', 'Intercom', 'Contacts', 'Account', 'Advanced', 'RTSP' (highlighted in blue), 'Access', 'Record', 'Device', and 'System'. The main content area has a breadcrumb 'Home / Intercom / RTSP'. It features two sections: 'Basic' and 'ONVIF'. The 'Basic' section contains fields for 'RTSP Enable' (set to 'enabled'), 'Video Encoder' (set to 'H.264'), 'Mjpeg Auth.' (set to 'enabled'), 'Auth. Type' (set to 'Digest'), '\* Username' (set to 'admin'), and '\* Password' (set to 'admin123456'). Below these is an 'H.264 Video Params' section with fields for 'Video Resolution' (VGA), 'CH2 Video Resolution' (CIF), 'Video Frame Rate' (25FPS), 'CH2 Video Frame Rate' (25FPS), 'Video Bit Rate' (512 kbps), and 'CH2 Video Bit Rate' (256 kbps). A blue 'Save' button is located below the H.264 section. The 'ONVIF' section contains '\* Username' (admin) and '\* Password' (admin123456) fields.

**RTSP enable:** After enabling, the computer's vlc, ffplay, and other clients can play RTSP video streams from the device

**Mjpeg authentication:** Enter username and password

**User name:** To play the device's rtsp video stream, confirm the user name

**Password:** To confirm the password for playing rtsp video streams on the device

## **RTSP Video Streaming**

**Video encoder:** The video encoding is in H.264 format

**Video resolution:** default 720P, with QCIF, QVGA, CIF, VGA, 720P options

**Video frame rate:** default 25FPS

**Video bitrate:** default to 1024kbps, with options of 128kbps, 256kbps, 512kbps, 1024kbps, and 2048kbps

## **Playing RTSP video streams from devices**

You can play rtsp video streams from devices using clients such as vlc and ffplay on your computer,

**Main stream address:** rtsp://Device IP address:  
5541/stream/main

**Secondary stream address:** rtsp://Device IP address:  
5541/stream/sub

**ONVIF User name and Password:** default and rtsp user name and password are the same, when Mjpeg authentication is on,

ONVIF user name and password need to be the same as rtsp's.

**IP Visible:** Enable IP **Visible**, you can use ONVIF Device Manager tool, enter the device username and password, onvif tool can automatically search the device, you can click to monitor.

## 3.8.4 Audit Tracker

In the web backend, click on **System-Audit Tracker** to view various inspection results

**Network Tracker**

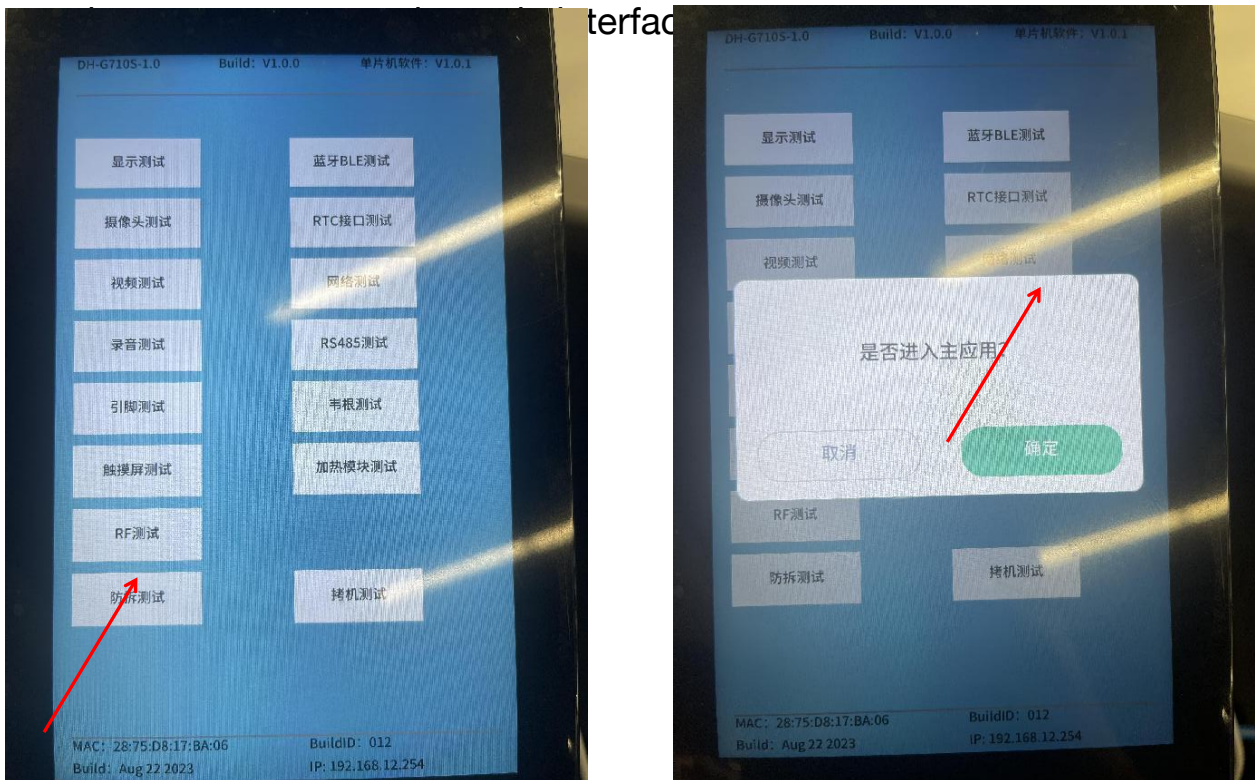
Function	Tag	State	Description
DNS	218.85.157.99	Success	
NTP Server	ntp.nexhome.cn	Success	
PAAS Server	lot-us.nexhome.ai	Success	online
slip1 Server	slip-us.nexhome.ai	Success	
slip2 Server		Failure	SIP2 offline

**Interface Tracker**

Function	State	Description
Microphone	Success	

## 3.8.5 Factory Testing

On the backend status information interface of the device end, click the MAC Address area three times in a row to select to enter the Factory Test, then enter the password 002396 to enter the Factory Test interface. The factory testing interface is used to detect hardware issues with device and is limited to professional technicians. Please do not enter the factory for testing during normal configuration. If you accidentally enter the Factory Test interface, simply quickly click on the "Mac" character in the bottom left corner. When a window pops up, select the right



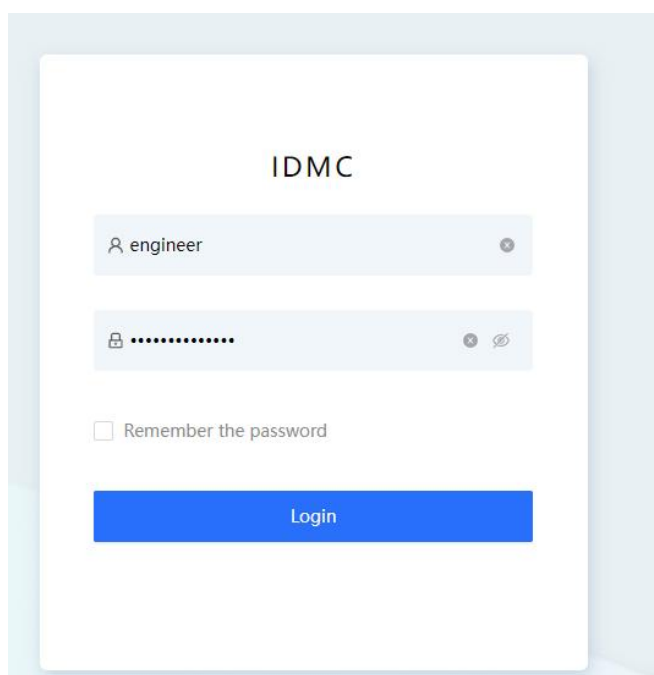
## 4 IDMC Configuration

IDMC (Device Management Center Based on SIP Protocol) is mainly used for community resident management centers. The IMDC platform is deployed in a local area network, allowing administrators to manage buildings, personnel, device, access control, intercom, and information comprehensively.

### 4.1 IDMC Platform Login

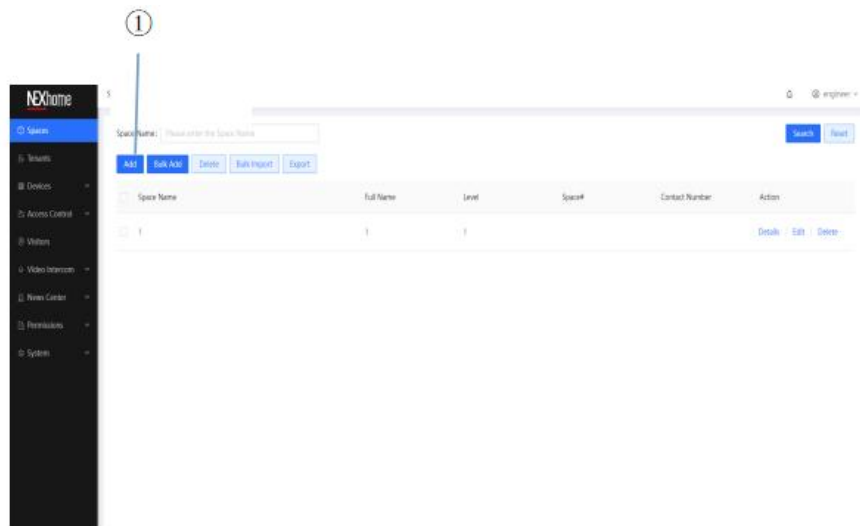
After installing the IDMC platform, double-click to open IDMC.exe and enter the IDMC platform webpage.

Enter account: engineer ;password: StarNetNexhome, click on Login to enter the IDMC platform interface.



## 4.2 Space Management

In the space management of the IDMC platform, click the **Add** button, fill in the space name and other information, and click to confirm the creation of the space.



Add Structure

Upper Level:
Please select the upper level

\* Space Name:
Please enter the Space Name

Floor Info:
Please enter the Floor info

Space#:
Please enter the Space#
  
This code is used to generate the call number

Contact Number:

Cancel
OK

## 4.3 Device Management

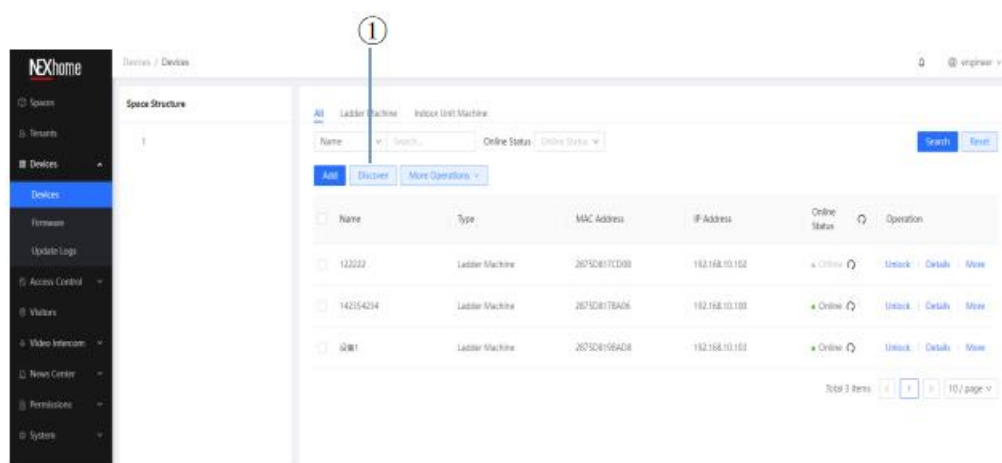
### 4.3.1 Adding Devices

In the **Devices-Devices** section of the IDMC platform, click the **Discover** button ① and the system will automatically search for devices under the same local area network. Click the add button to the right of the device name to add, set the associated space and device name for the device, and click save to add the device to that space.

When adding a new device, you can fill in the device MAC, and the device can automatically register online when the network in the local area network is available.

The device can enable the pairing code and fill in the location code and target IP in the connection settings, or register online.

The device is connected to a three-layer network environment, and IP can be allocated automatically by turning on the DHCP function in the IDMC system management -DHCP configuration.





Basic Setting

Type:

Location:

Device Name:

Position:

MAC Address:  [Scan](#)

Static IP Mode: ☐

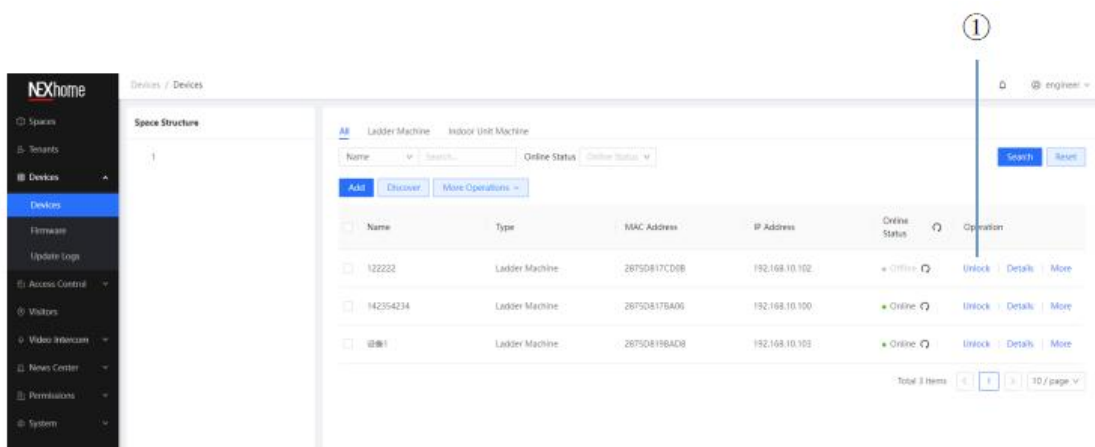
Open Space:

[Save](#)
[Back](#)

## 4.3.2 Device Unlocking

In the **Devices - Devices** section of the IDMC platform, click **Unlock** button① on the right side of the corresponding device, and the device will automatically unlock, device unlocking (access control unlocking or remote unlocking) supports capturing and uploading IDMC.

You can use the access control certificate issued by the IDMC to unlock the lock.



## 4.3.3 Device Operation

In the Device - Device section of the IDMC platform, click on the **More** button on the right side of the corresponding device to edit, delete, restart, upgrade, and restore production to the device. You can operate to resynchronize the address book and access control certificate.

<input type="checkbox"/>	名称	设备类型	MAC地址	IP地址	状态	操作
<input type="checkbox"/>	G710s-test1	梯口机	2875D817BA06	192.168.10.100	● 离线	开锁   详情   更多

共 1 条

1

- 编辑
- 删除
- 重启
- 升级
- 恢复出厂设置

## 4.3.4 Device Configuration

Add a configuration set to the IDMC Platform System Management-Device Configuration, modify the configuration in the configuration set, and select the associated devices that need to be synchronized.



空间管理

用户管理

设备管理

门禁管理

访客管理

梯控管理

可视对讲

报警中心

信息发布

权限管理

员工管理

系统管理

系统配置

设备配置

操作记录

服务日志查询

DHCP配置

配置集

搜索

创建时间

开始日期

结束日期

更新时间

开始日期

结束日期

查询

重置

设备小类

设备厂商

新增

配置集	设备小类	设备厂商	创建者	创建时间	更新时间	操作
G710S	梯口机	星网天合	nexhome-admin	2024-07-11 11:04:22	2024-07-11 11:04:22	修改配置 关联设备 同步记录 删除

共 1 条

< 1 >

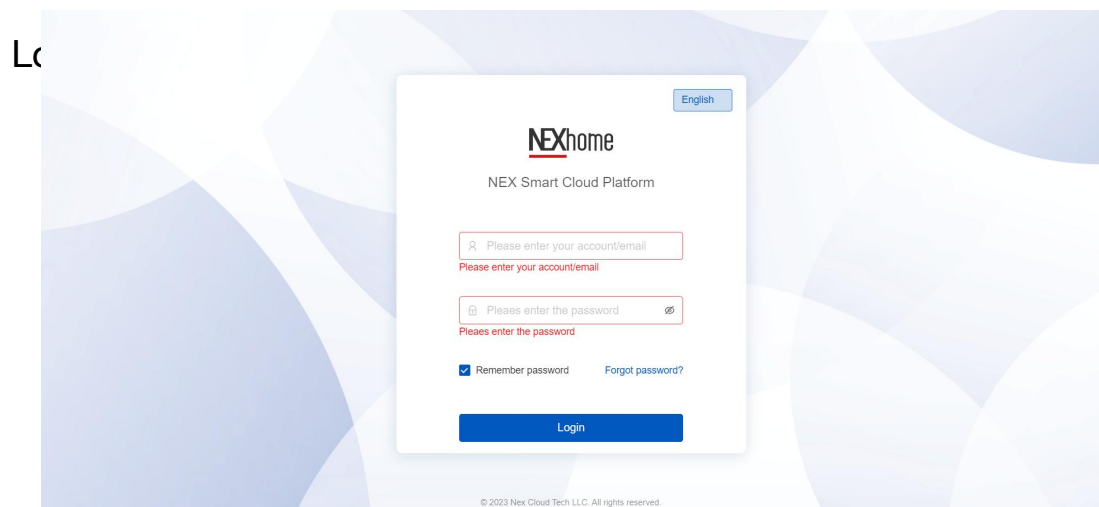
10 条/页

## 5 NexSmart Cloud Platform Settings

The NexSmart cloud platform consists of four parts: device, cloud server, management background and APP. It is used for community residents' management services. The management background is used for unified management of assets, devices, users and access control rights, and an APP is provided to facilitate owners to remotely open doors, cloud intercom and other operations. The APP supports both iOS and Android systems.

### 5.1 NexSmart Cloud Platform Login

In the upper right corner of the login page, you can set the language of the cloud platform, and in the lower left corner, you can choose to remember your password, if you forget your password, you can click the lower right corner to reset your password. Enter the correct username and password and click



## 5.2 Project Management

### 5.2.1 Project Management

Log in to your installer account, and in Project Management - Project Management in the NexSmart Cloud Platform, click New, fill in the project name and other information, and click OK to create the project.

The screenshot displays the Nexhome Project Management interface. On the left is a dark sidebar with navigation links: Home, MAC Library, Project, Zone, Device, User, Announcement, and Property Manager. The main area is titled 'Project / Project' and features a dropdown menu for 'Project name' with a search bar. A red arrow points to the '+ New' button. Below the search bar is a table with columns: Project name, Property manager, Email, Last updated, and Operation. The table lists three projects: NexsmartTest2, Nexsmart Test1, and Nexsmart Cloud Intercom. At the bottom right, there is a pagination bar showing 'Total 3 item(s)' and '10 / page'.

Project name	Property manager	Email	Last updated	Operation
NexsmartTest2	yx c	309685006@qq.com	2023-10-22 21:27:41	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Add</a> <a href="#">Refresh</a>
Nexsmart Test1	yx c	309685006@qq.com	2023-10-22 21:23:04	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Add</a> <a href="#">Refresh</a>
Nexsmart Cloud Intercom	yx c	309685006@qq.com	2023-10-16 10:02:54	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Add</a> <a href="#">Refresh</a>

## 5.2.2 Space Management

Log in to your installer account, and in Project Management - Space Management of NexSmart Cloud Platform, you can add new buildings and spaces under the project. Click the plus button on the left side to add a new building, and click the add button on the right side to add a new space under the building.

The screenshot displays the Nexhome G510S Doorphone User Manual interface for Space Management. The sidebar on the left contains navigation links: Home, MAC Library, Project, Zone, Device, User, Announcement, and Property Manager. The main content area is titled 'Project / Zone' and shows a list of buildings under the project 'Nexsmart Test1'. The list has columns for Building, Room No., Call No., Room name, Created Time, and Operation. A red arrow points to the '+ New' button in the top right corner of the building list, and another red arrow points to the plus icon next to 'Nexsmart Test1' in the left sidebar.

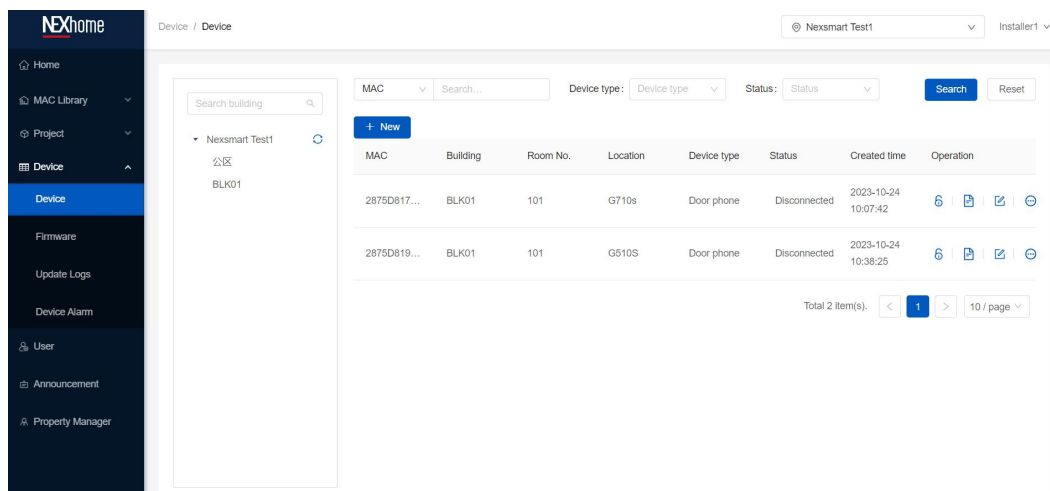
Building	Room No.	Call No.	Room name	Created Time	Operation
公区	000	00000	物业管理中心	2023-10-22 21:21:48	[Icon] [Icon] [Icon]
BLK01	101	001101	101	2023-10-22 21:31:49	[Icon] [Icon] [Icon]

Total 2 item(s). 1 / 10 / page

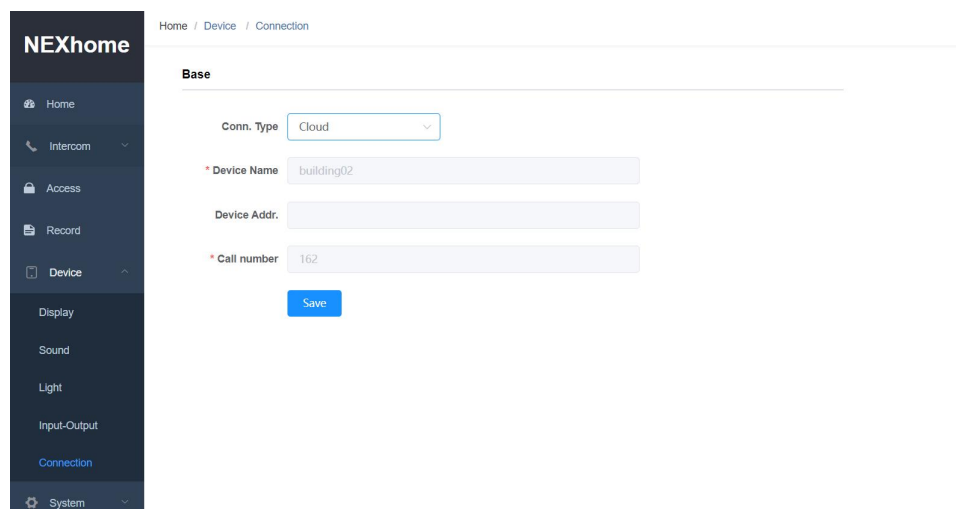
## 5.3 Device Management

### 5.3.1 Add Device

Log in to your installer account, and in NexSmart Cloud Platform's Device- Device, click Add on the right side, fill in the device type, space, and other information, and click OK to add a new device to the space.



For added devices, you need to change the mode to cloud mode in the connection settings on the device side (web or device backend) in order to connect to the Nex Smart cloud platform.



## 5.3.2 Device Unlocking

Log in to the installer account or property manager account, and in the NexSmart Cloud Platform's Device - Device, click the Unlock button on the right side of the corresponding device to control the device to unlock remotely.

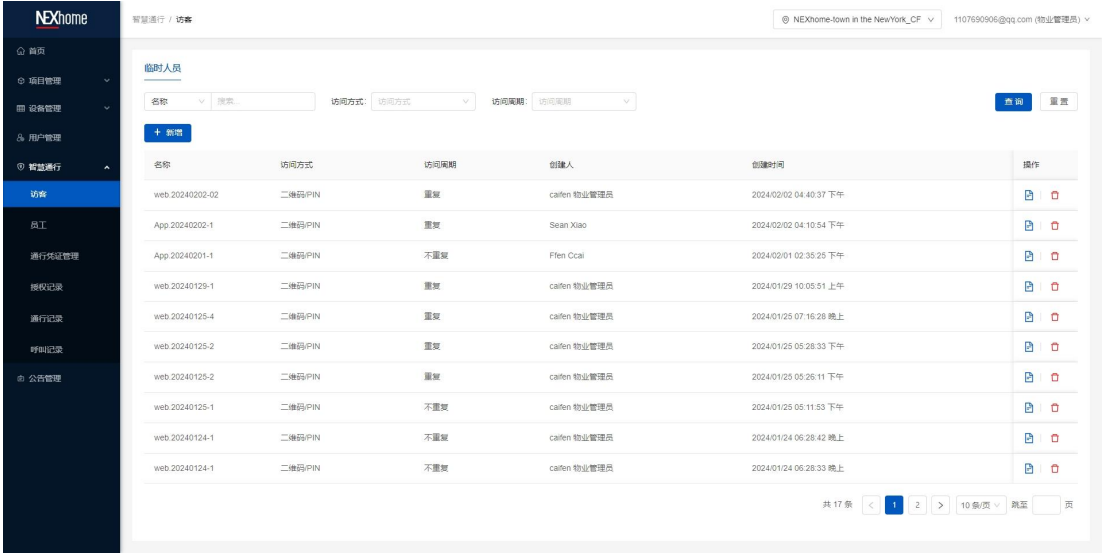
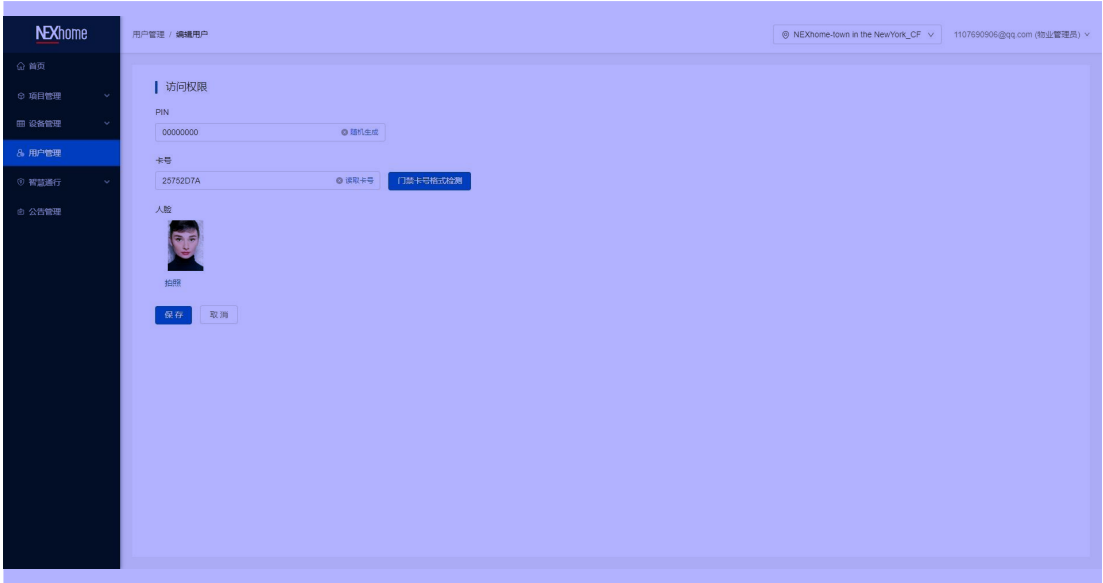
Log in to the property manager's account. In the User Management interface, edit the user and click the Next button then you can set the user access control password, access control card, access control face. In the Smart Pass - Visitor interface, you can add a visitor access control, generate an access control password and an access control QR code, and send an email to the visitor mailbox. In the Smart Pass-Employee interface, you can add employee access control, access control cards, access control faces and access control passwords, and send emails to employee mailboxes.

The screenshot shows the Nexhome web interface for managing devices. On the left is a sidebar with navigation options: Home, MAC Library, Project, Device (selected), Firmware, Update Logs, Device Alarm, User, Announcement, and Property Manager. The main area is titled 'Device / Device' and shows a list of devices under the 'Nexsmart Test1' project. The table has the following columns: MAC, Building, Room No., Location, Device type, Status, Created time, and Operation. Two devices are listed:

MAC	Building	Room No.	Location	Device type	Status	Created time	Operation
2875D817...	BLK01	101	G710s	Door phone	Disconnected	2023-10-24 10:07:42	[Unlock] [Add] [Edit] [Delete]
2875D819...	BLK01	101	G510S	Door phone	Disconnected	2023-10-24 10:38:25	[Unlock] [Add] [Edit] [Delete]

A red arrow points to the 'Unlock' button (represented by a padlock icon) in the Operation column for the device with MAC 2875D819... The bottom of the table shows 'Total 2 item(s)' and pagination controls for page 1 of 10.







NEXhome

Home

MAC Library

Project

Device

Device

Firmware

Update Logs

Device Alarm

User

Announcement

Property Manager

Device / Device

Nexsmart Test1

Installer1

Search building

Nexsmart Test1

公区

BLK01

MAC

Search...

Device type: Device type

Status: Status

Search

Reset

+ New

MAC	Building	Room No.	Location	Device type	Status	Created time	Operation
2875D817...	BLK01	101	G710s	Door phone	Disconnected	2023-10-24 10:07:42	<div> <div></div> <div></div> <div></div> <div></div> </div>
2875D819...	BLK01	101	G510S	Door phone	Disconnected	2023-10-24 10:38:25	<div> <div></div> <div></div> <div></div> <div></div> </div>

Total 2 item(s).

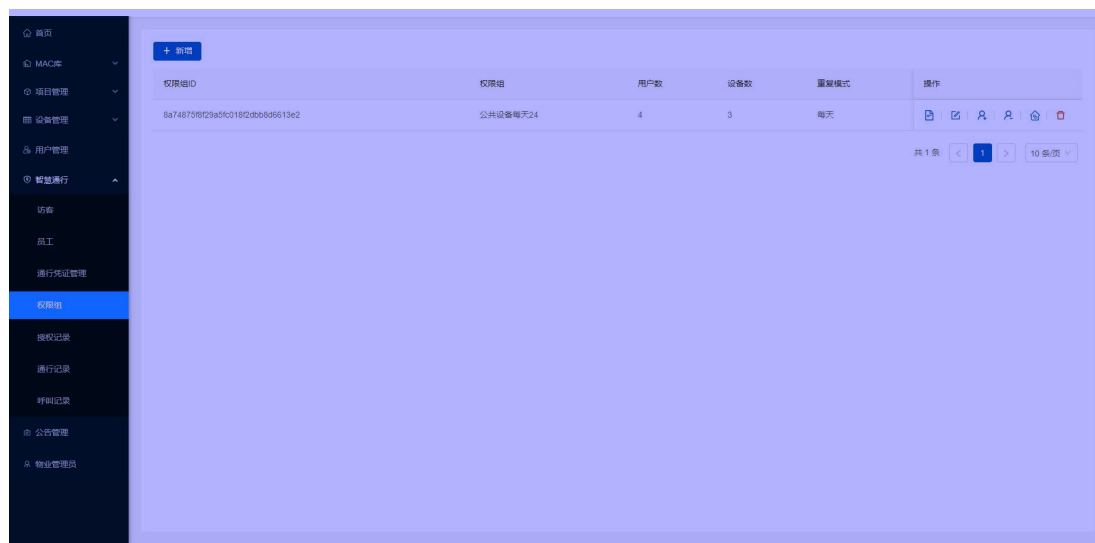
1

10 / page

## 5.4 Cloud Platform App Usage

### 5.4.1 Set Permission Group

Log in to the installer account or property administrator account, in the Smart Pass - Permission Group of NexSmart Cloud Platform, add and set permission group name, repetitive pattern, passable period, select device rules, and accessible device. You can add users and associated homes.

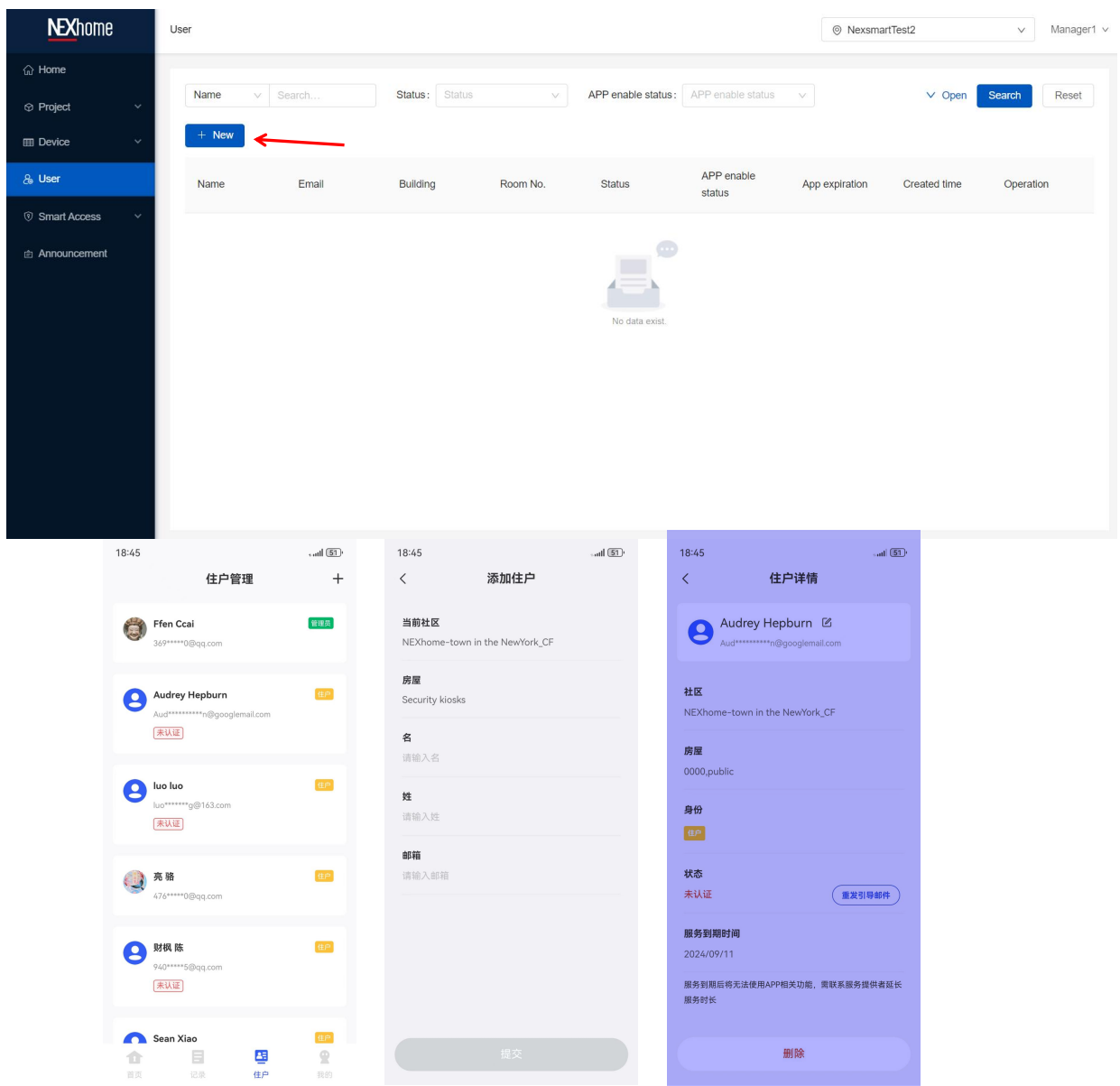


### 5.4.2 Add New User

Log in to the installer account or property manager account, in the **User** section of NexSmart Cloud Platform, click the Add button, fill in the house number, user name, email and other information, select Enable app, click Save, and then you can add a new user.

Email will receive an email for app authentication, and the mobile app will scan the authentication code, and after authentication, you can operate the device in the app.

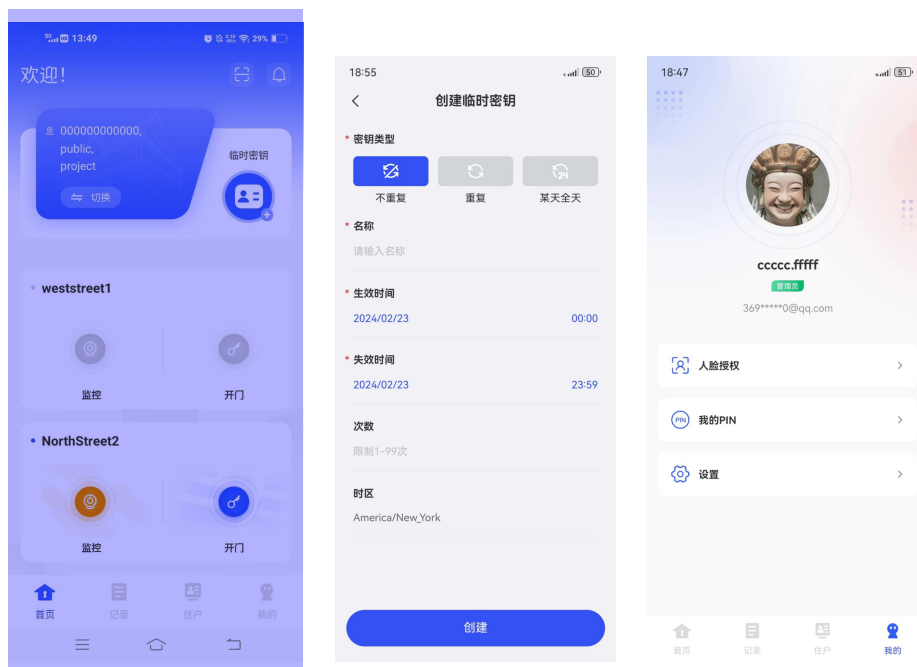
Housekeepers can add and delete tenants through the APP.



## 5.4.3 Device Unlocking

The user logs into the app, and on the homepage, can control the unlocking of the device by clicking the unlock button of the corresponding device. You can create a temporary secret key for visitors, generate an access control QR code and an access control password, and send an email to the visitor's mailbox.

In my interface, you can authorize face entry and set the unlock password.





## 5.4.4 Monitoring Device

Users log in to the app, and on the homepage, they can monitor the device by clicking on the monitoring button of the corresponding device, or by clicking on the incoming call record of the corresponding device in the call log.

