



User Manual

—————
DNAKE S615

REMARK

Please follow the user manual for correct installation and testing. If there is any doubt please call our tech-supporting and customer center.

Our company applies ourselves to reformation and innovation of our products. No extra notice for any change. The illustration shown here is only for reference. If there is any difference, please take the actual product as the standard.

The product and batteries must be handled separately from household waste. When the product reaches the end of service life and needs to be discarded, please contact the local administrative department and put it in the designated collection points in order to avoid the damage to the environment and human health caused by any disposal. We encourage recycling and reusing the material resources.

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PRODUCT FEATURE

1. Induction loop for hearing impaired
2. Braille dot for visually impaired
3. 3 output relays for door locks
4. Tamper alarm
5. Facial Recognition (No distortion)
6. Support Face, IC (13.56MHz) & ID (125kHz) card, PIN code
7. 2MP camera with WDR mode

TECHNICAL PARAMETER

Power Supply: PoE (802.3af) or DC 12V/2A

Standby Power: 8 W

Rated Power: 16 W

Resolution: 480 x 272

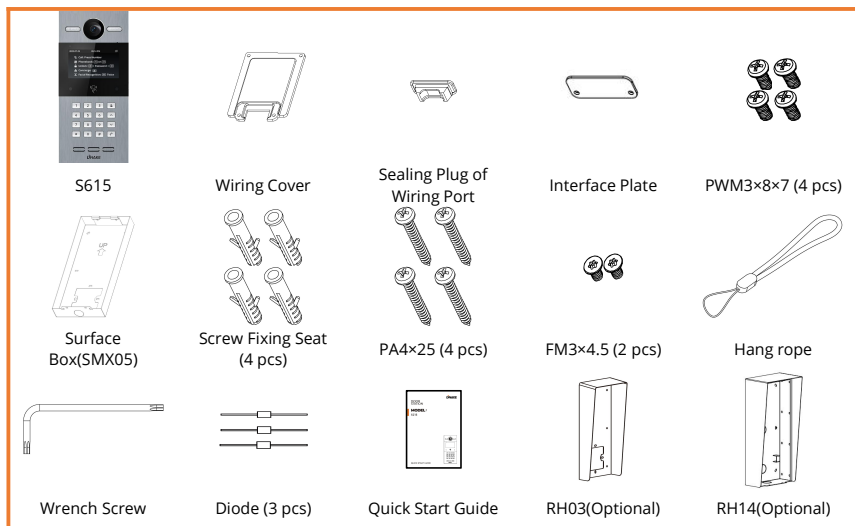
Working Temperature: -40℃ to +55℃

Storage Temperature: -40℃ to +70℃

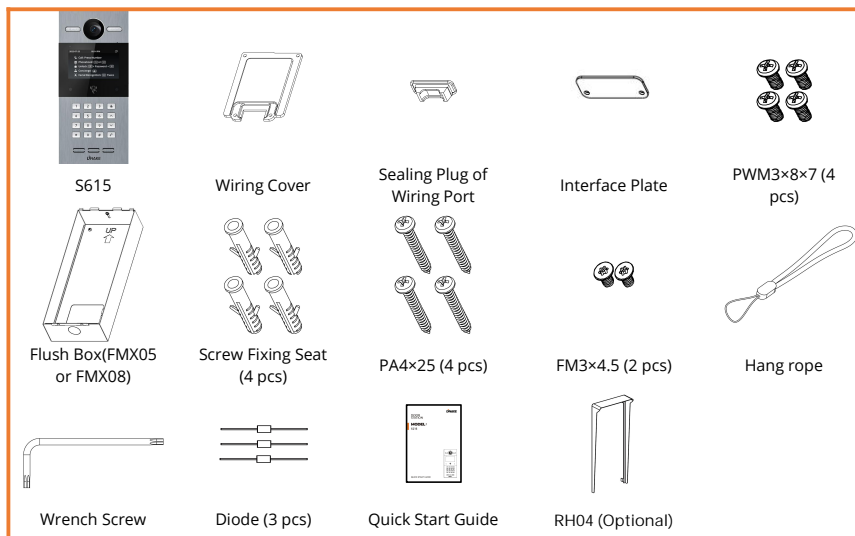
Working Humidity: 10% to 90% (non-condensing)

PACKAGE CONTENT

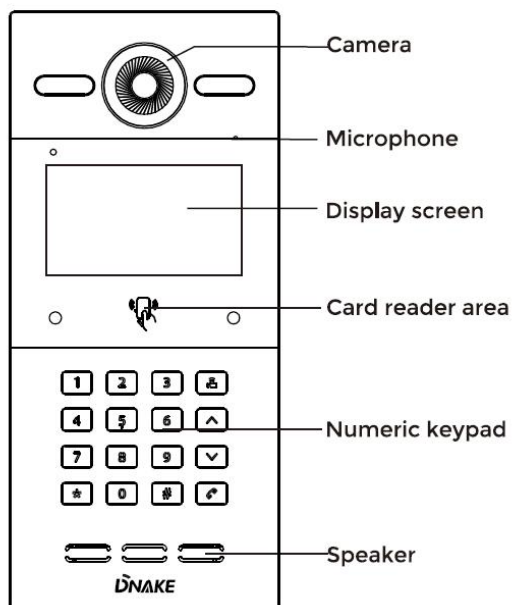
MODEL: S615 (Surface Mounting)



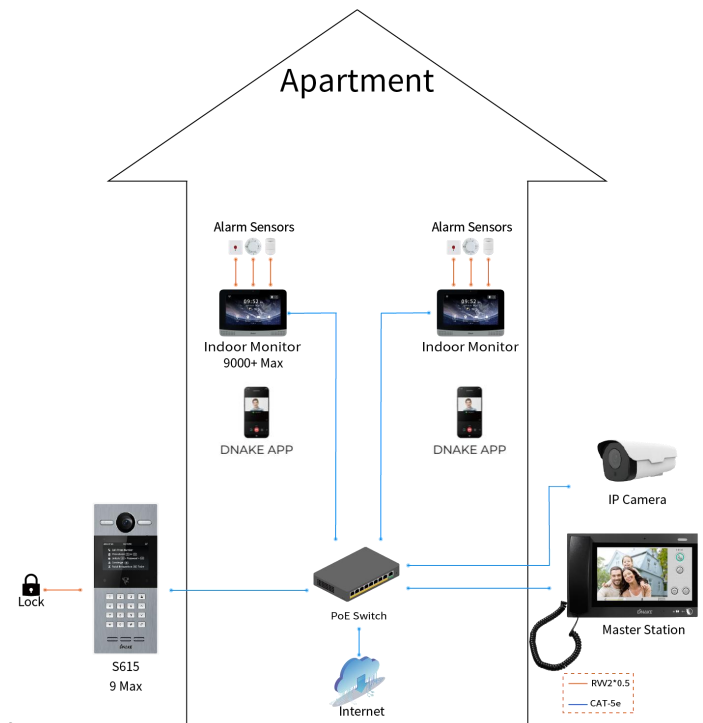
MODEL: S615 (Flush Mounting)



OVERVIEW



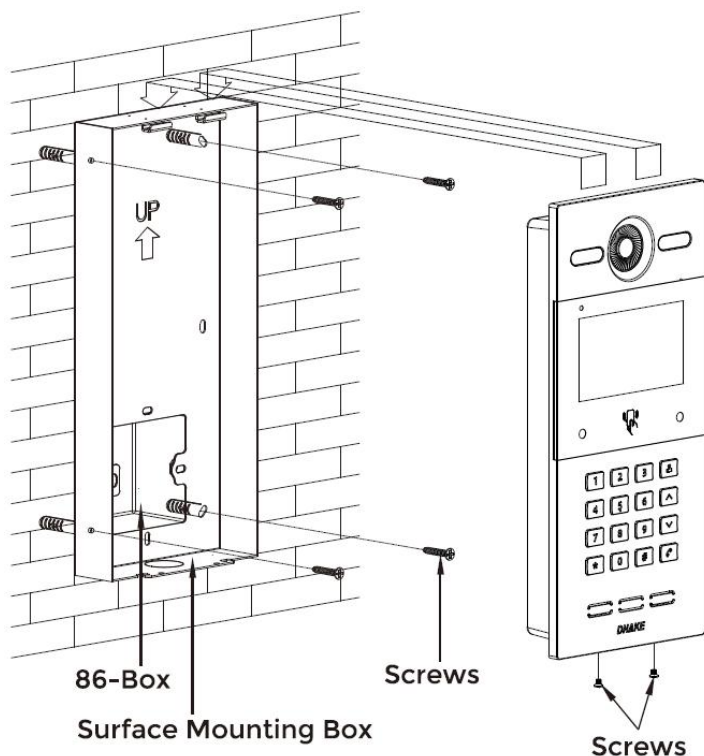
SYSTEM DIAGRAM



INSTALLATION

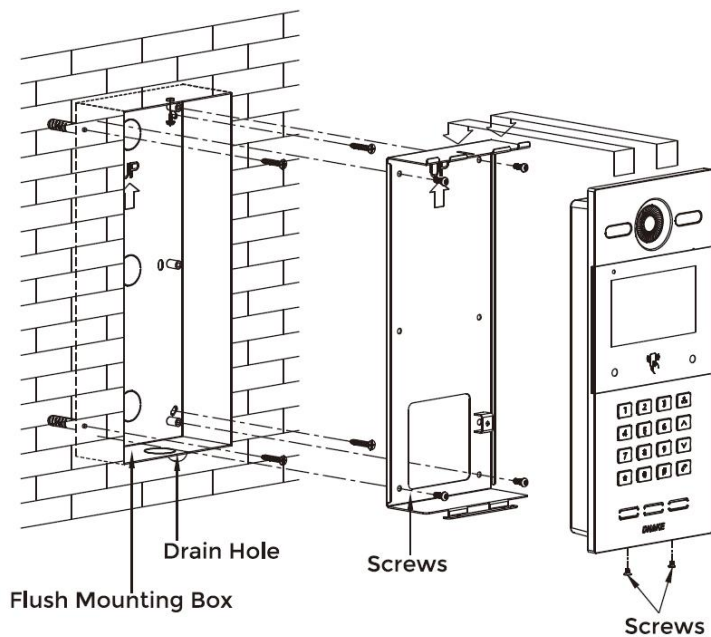
Surface Mounting with Surface Box SMX05

Silicone seal is required around the surface housing to waterproof the back (cables and connections)



Product size: 133 × 295 × 41 mm
Surface Mounting size: 133 × 295 × 43 mm

Flush Mounting with FMX05

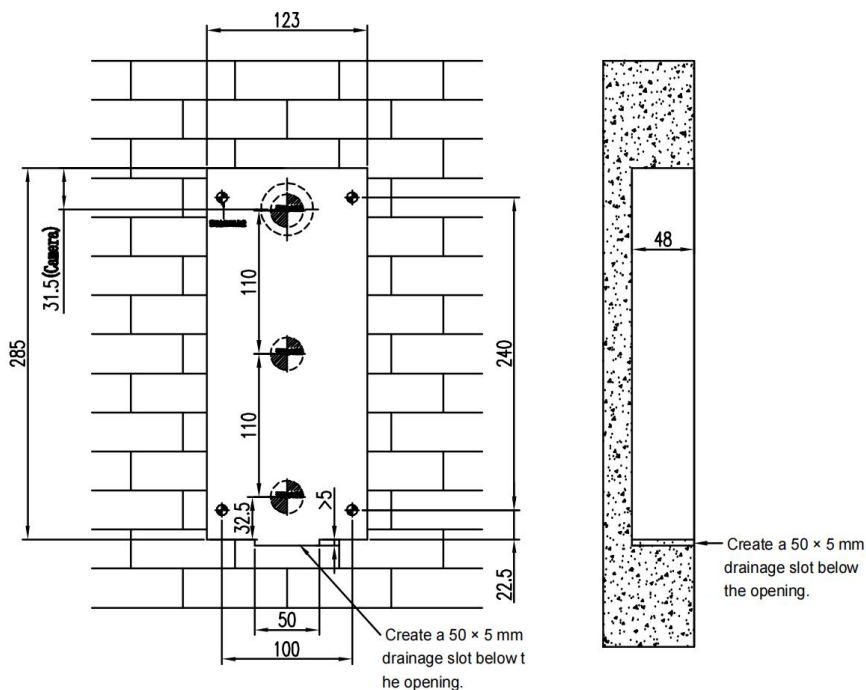


Product size: 133 × 295 × 41 mm
Flush Mounting size: 133 × 295 × 63.5 mm
Mounting hole size: 124 × 289 × 56 mm

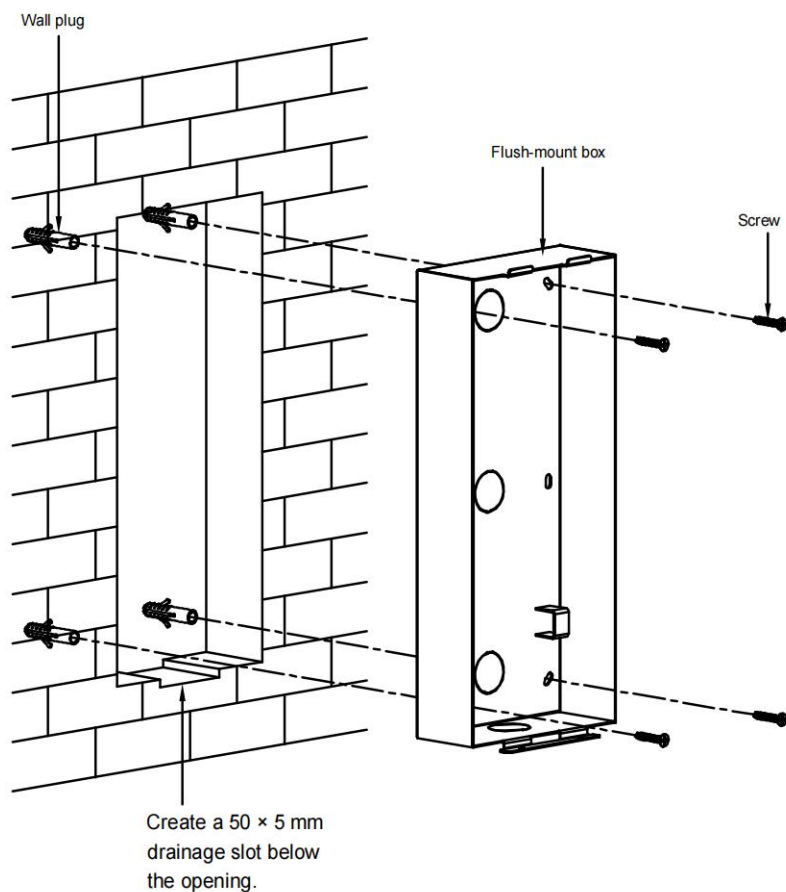
Flush Mounting with FMX08

Step1 : Determine the installation height of the door station on the wall.

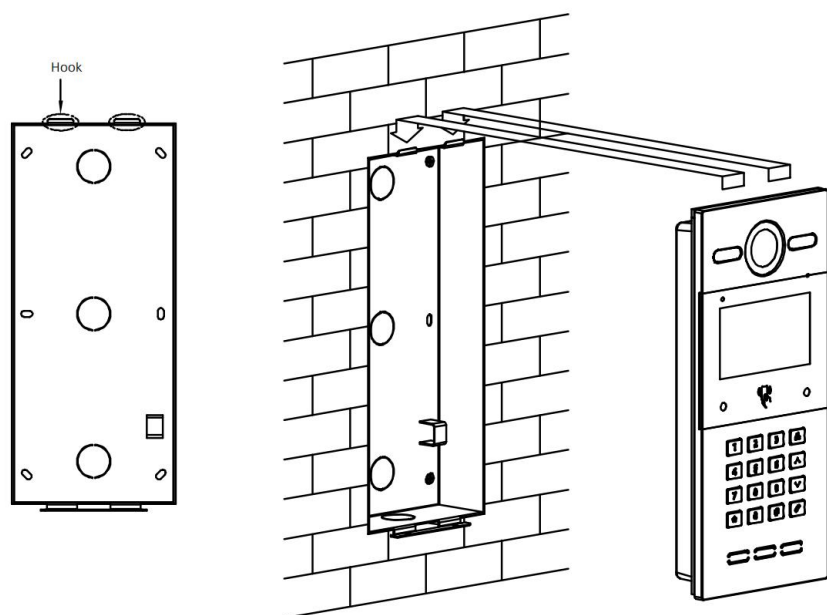
Cut an opening of $285 \times 123 \times 48$ mm according to the reference diagram to accommodate the flush-mount box.



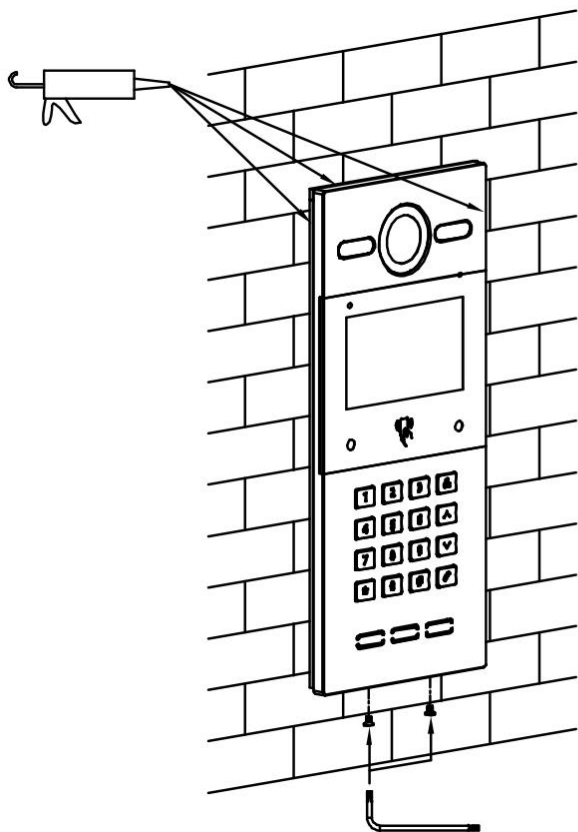
Step2: Use the four supplied screws to fix the flush-mount box to the wall.



Step3: Align the two slots on the top of the device with the two hooks on the flush-mount box, then hang the device onto the hooks

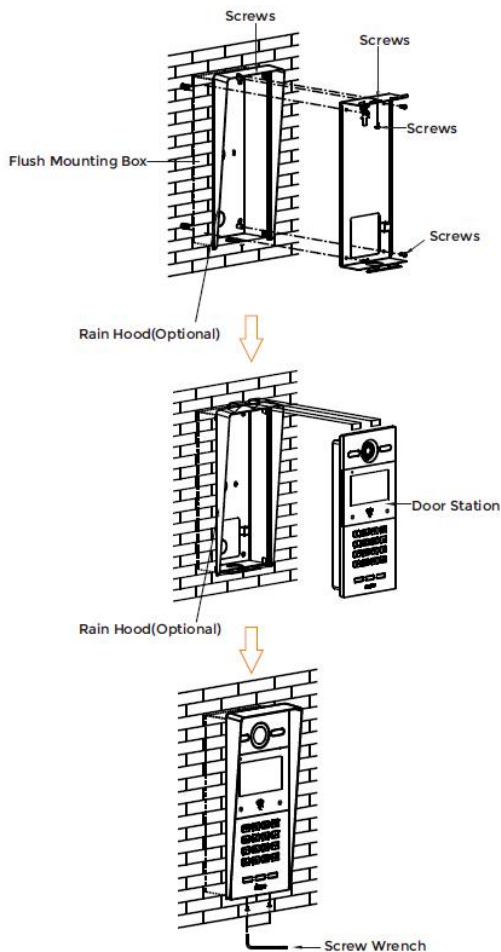


Step4: Use the supplied wrench to tighten the two countersunk screws at the bottom of the device and secure it to the flush-mount box. Apply silicone sealant along the top and both sides where the device meets the wall to ensure proper edge sealing.



Product size: 133 × 295 × 41 mm
Flush Mounting size: 133 × 295 × 63.5 mm
Mounting hole size: 123 × 285 × 48 mm

Flush Mounting with FMX05 & RH04 (Optional)

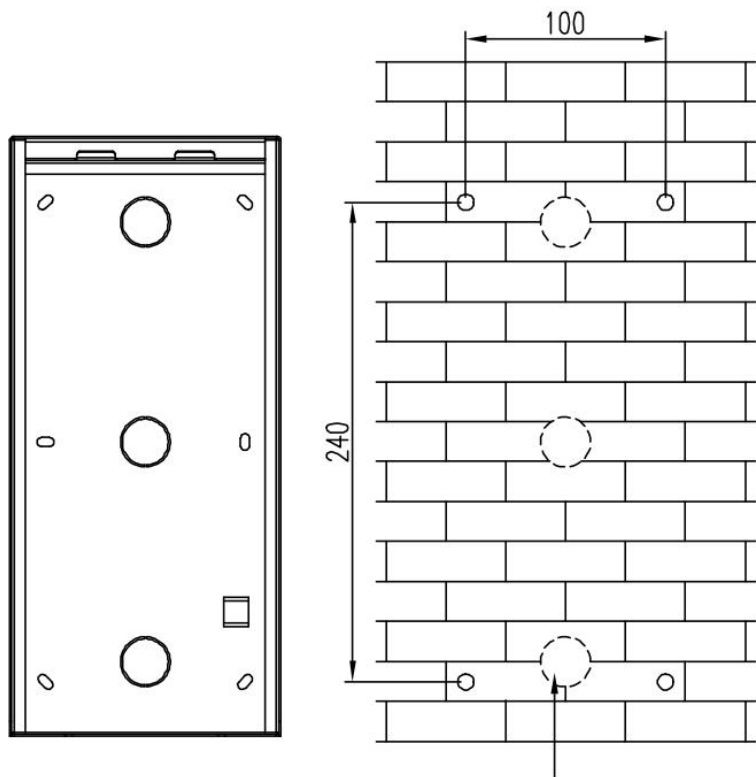


Product size: 133 × 295 × 41 mm
Flush Mounting size: 133 × 295 × 63.5 mm
Mounting hole size: 124 × 289 × 56 mm

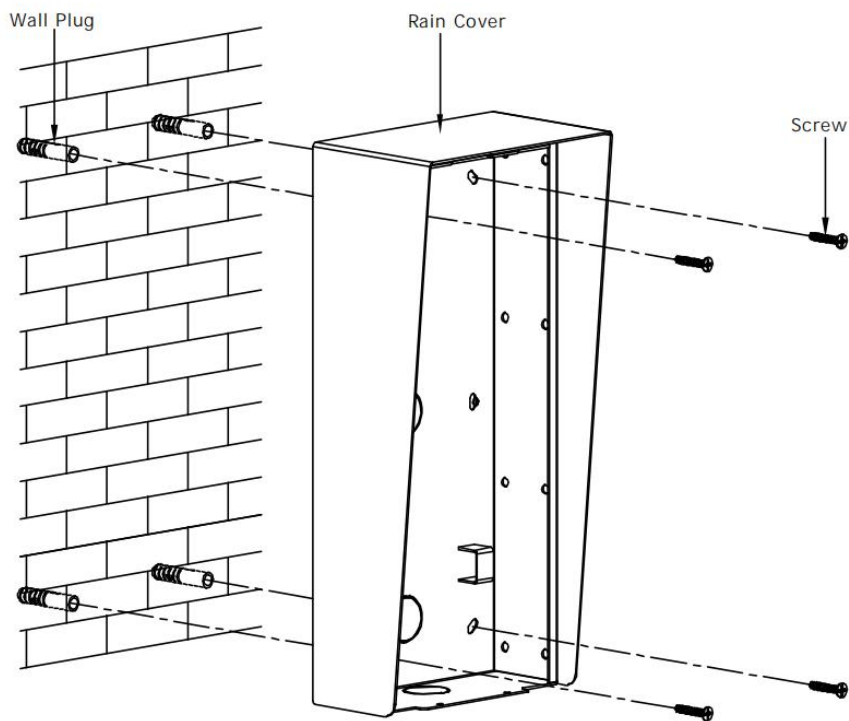
Surface Mounting with RH14(Optional)

Silicone seal is required around the surface housing to waterproof the back (cables and connections)

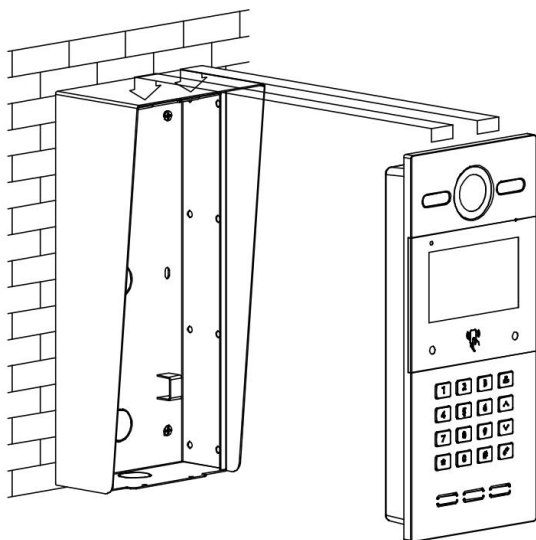
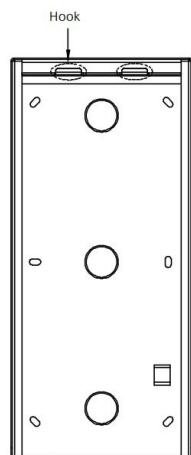
Step1 : Align one of the three knock-out holes on the rain hood with the cable outlet on the wall (choose the hole based on the installation height). Mark the positions of the four mounting screw holes on the wall according to the upper and lower screw points of the rain hood.



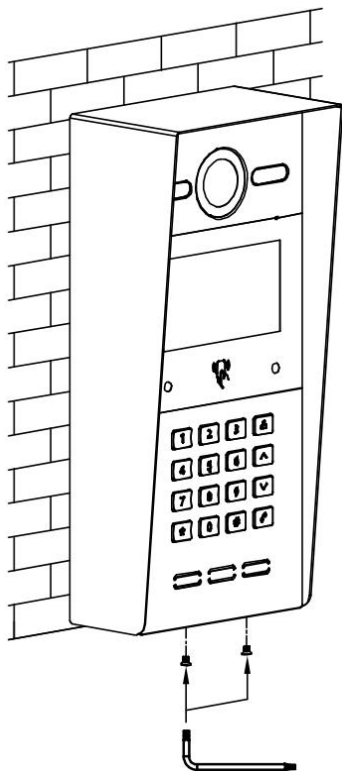
Step2: Secure the rain hood to the wall using the screws and wall plugs.



Step3: Align the two slots on the top of the device with the two hooks on the rain hood, then hang the device onto the hooks.



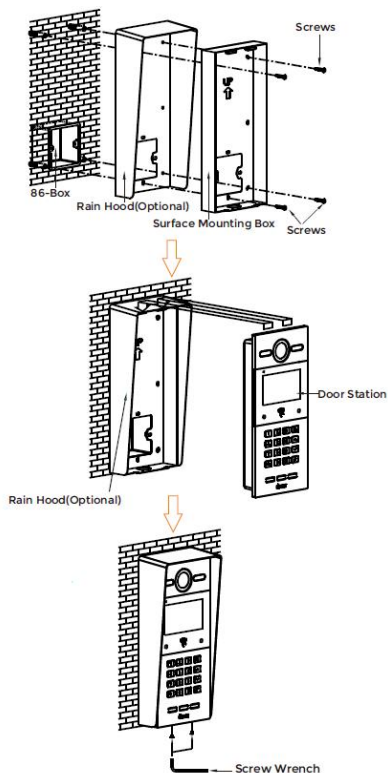
Step4: Use the supplied hex screwdriver to tighten the two countersunk screws and secure the device to the rain hood.



Product size: 133 × 295 × 41 mm
Surface Mounting size: 136 × 300 × 87 mm

Surface Mounting with RH03(Optional)

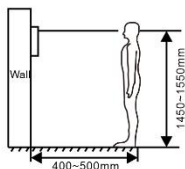
Silicone seal is required around the surface housing to waterproof the back (cables and connections)



Product size: 133 × 295 × 41 mm

Surface Mounting size: 133 × 295 × 43 mm

Tips:



The camera should be 1450~1550mm above the ground.

The camera at this height can capture human face

BASIC OPERATION

1. Call and Monitor

1.1. Call Indoor Monitor

In standby mode, press room numbers + #/dial on Door Station to call Indoor Monitor. During the call, press * on Door Station again to end the call. If the call fails or Indoor Monitor is busy, Door Station will make a beep sound.

1.2. Monitor Door Station

Click Monitor icon on Indoor Monitor's homepage to monitor Door Station.

2. Phonebook

Click up or down button to enter phonebook page. You can dial any residents in this phonebook.

3. Unlock

Press #+PIN Code+# to unlock.

4. Concierge

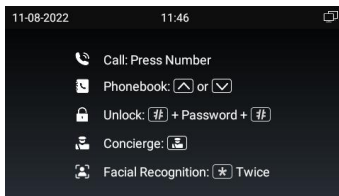
Press concierge button to call Master Station.

5. Facial Recognition

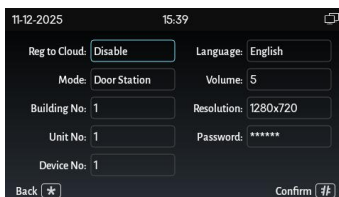
Press * twice to wake up face scan. Facial recognition should be enabled beforehand.

DEVICE SETTING

Connect Door Station and PC to a network switch in the same LAN. You can enter the admin settings of Door Station by pressing # twice and entering default password (123456). This is where you can configure the device.



1. Device Settings



1. Reg to Cloud: Enable this to register to DNAKE cloud platform.
2. Building No. (1-999) / Unit No. (0-99)
Building No. is the number of the building in which the device is installed.
Unit No. is referring to Riser No. Or Stair No. Of a building.
3. Device No. (1-9)
If lots of same-mode devices installed in the same site, and they share the same settings such as building, unit or apartment numbers, Device No. should be set to different numbers to distinguish.
4. System pwd
System password is for device's screen. Default password is 123456.
5. Mode

Door Station: It is for apartment building. Users can dial by pressing apartment numbers;

Villa Station: It is for villa or single family. Apartment number is required to fill in. Users can press one button or bell button to make a direct call.

Gate Station: It is for calling residents who are living in different buildings but in the same site.

6. Language

16 languages supported (简体中文, English, 繁體中文, , Deutsch, Español, Türk, Tiếng Việt, Nederlands, Português, Polski, Русский, عربي, Français, Italiano, slovenský).

7. Volume

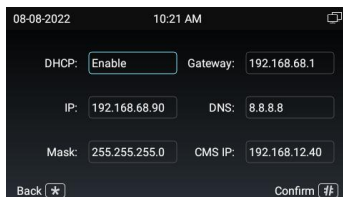
It refers to volume of calls. It can be set from 1 to 6.

8. Resolution

4 resolutions supported (320 × 240, 640 × 480, 1280 × 720, 1920 × 1080).

2. Network Settings

Network can be set to either DHCP or a static IP address.



08-08-2022 10:21 AM

DHCP: Gateway:

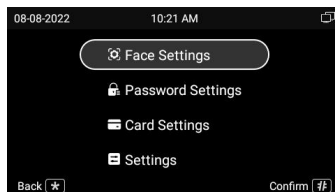
IP: DNS:

Mask: CMS IP:

Back Confirm

3. Users

Users can be created and access settings can be configured here.



08-08-2022 10:21 AM

Face Settings

Password Settings

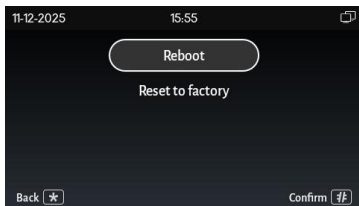
Card Settings

Settings

Back Confirm

4. Others

Reboot or reset device to factory default.



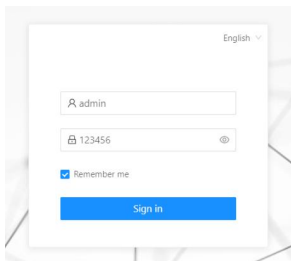
5. About System

Some basic information are displayed here including firmware version, current IP address, MAC address, 1st SIP status and 2nd SIP status.



WEB SETTING

Connect device and PC to the same LAN. Device's IP address can be found on device's screen or obtained by DNAKE Remote Upgrade Tool. Enter the device's IP address in browser and log in with the default account (admin) and password (123456).



1. General

1.1. Product

Model, Firmware version, MAC Address, Framework, UI and MCU version are displayed here.

1.2. Network

It presents the device's current network.

1.3. Device Manager Server

It presents the device's registration status and Node connection on DNAKE Cloud Platform.

1.4. SIP Account

Account 1 and 1st status are for DNAKE Cloud Platform while Account 2 and 2nd status are for 3rd party SIP server.

DINAKE

General

Information

Basic

Time

Password

System

Intercom

Access

Advanced

Product

Model

5615

Firmware Version

904D.1.3.0.33_GA_20251022

MAC Address

BCF8:1158:095A

Framework

2.0.0 20250923

LS

1.5.10 20251022

MCU

2.0.3

Network

DHCP

Enabled

IP Address

192.168.2.103

Mask

255.255.255.0

Gateway

192.168.2.1

DNS

8.8.8.8

Device Manager Server

Register to Cloud

Disabled

Node

N/A

SIP Account

Account1

None

Status

Disabled

Account2

Status

2. Basic

2.1. Basic

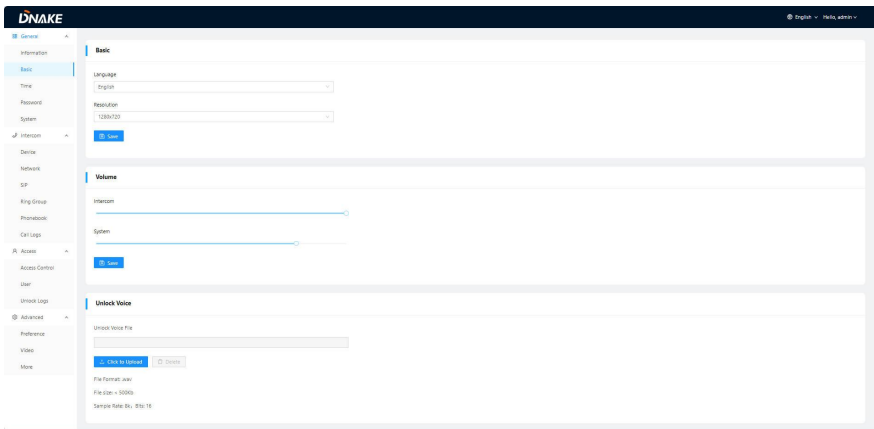
- 1. 16 languages supported (简体中文, English, 繁體中文, , Deutsch, Español, Türk, Tiếng Việt, Nederlands, Português, Polski, Русский, عربي, Français, Italiano, slovenský).
- 2. 4 resolutions supported (320 × 240, 640 × 480, 1280 × 720, 1920 × 1080).

2.2. Volume

- 1. Intercom refers to volume of calls. It can be set from 1 to 6.
- 2. System refers to volume of ringer, keytone, notifications. It can be set from 1 to 6.

2.3. Unlock Voice

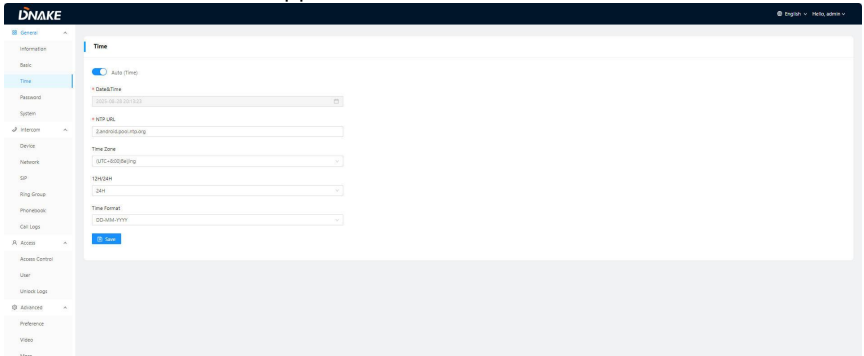
Upload the required voice file to change the unlock notification sound. File format should be Wav.File size should be smaller than 500kb. Sample rate should be 8k and bits should be 16.



3. General > Time

3.1. Time

1. Enable Auto (Time) to synchronize computer time or disable to set Date&Time to set manually. If Auto (Time) is enabled, Network Time Protocol (NTP) should be filled in correctly to synchronize computer time and Time Zone should be chosen according to the region.
2. 12H or 24H can be set to display the time on the device.
3. 3 time formats are supported (YYYY-MM-DD, DD-MM-YYYY, MM-DD-YYYY).

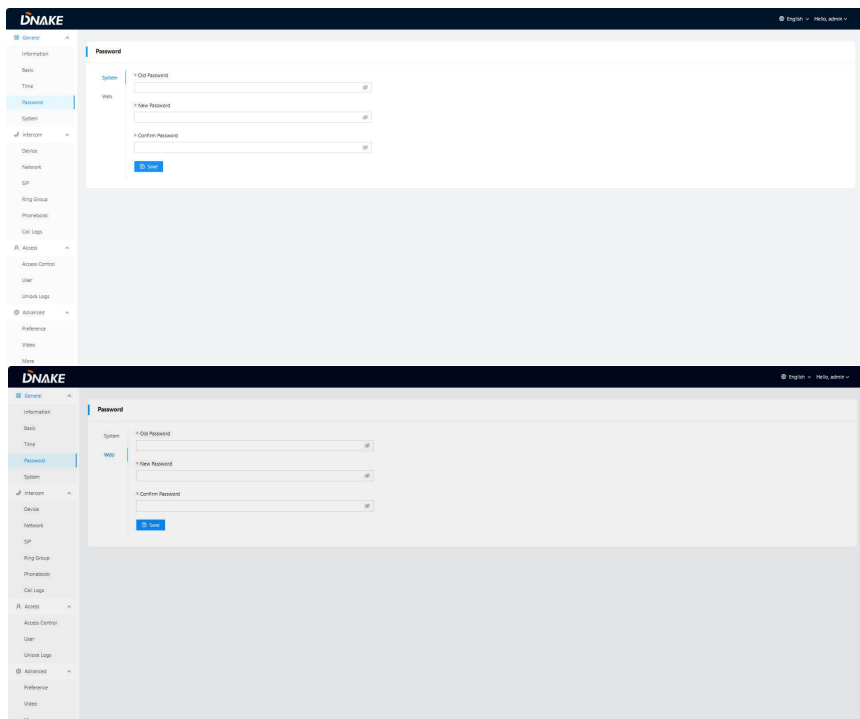


4. General > Password

4.1. Password

1. The default password for both of is 123456.

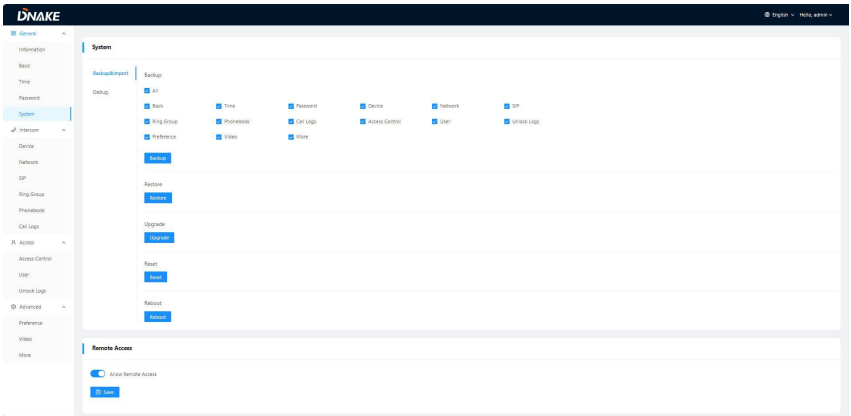
2. System password is for device's screen while Web password is for admin's web.



5. General > System

5.1 Backup&Import

1. Backup & Restore
Some necessary settings can be chosen to backup and restore to the same model.
2. Upgrade
Firmware can be uploaded via web to upgrade device.
3. Reset
Click to reset to factory default.
4. Reboot
Click to reboot device.



5.2 Debug

1. Packet Capture and Logs

The steps to capture packet and logs:

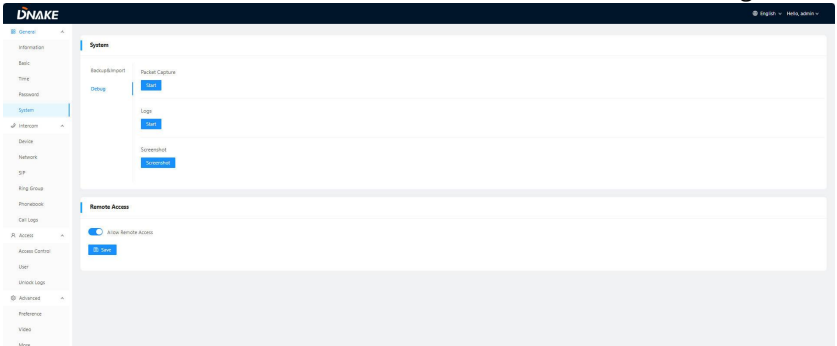
Step 1: Start packet and logs capture;

Step 2: Perform the operation to troubleshoot device problem;

Step 3: Stop packet and logs capture and send them to technical support team.

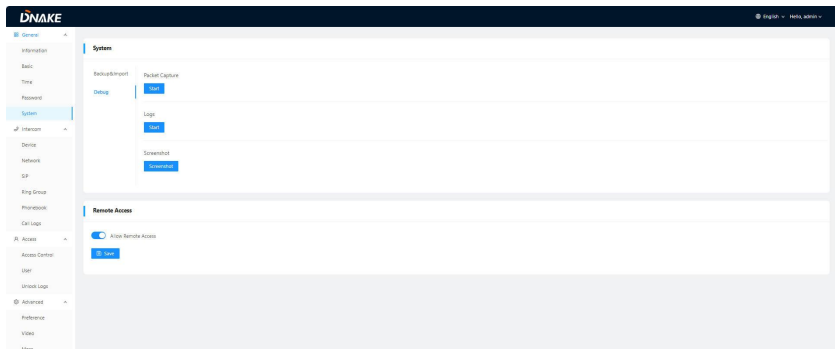
2. Screenshot

Click on Screenshot to take a screenshot of the screen's current image.



5.3 Remote Access

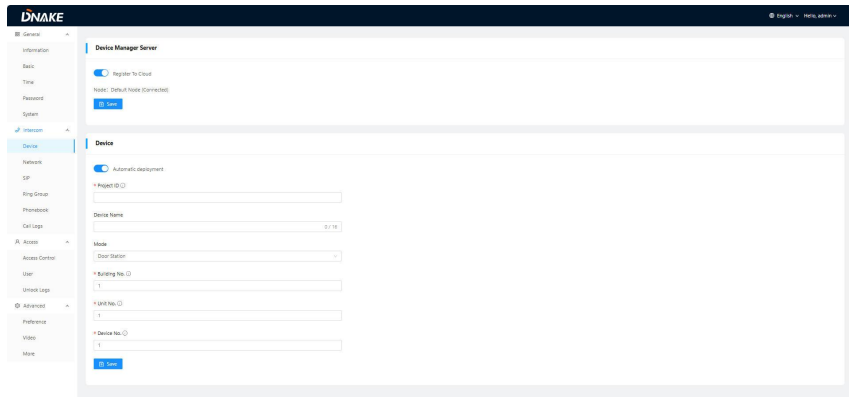
Enable this to allow cloud remote access to the web to configure.



6. Intercom > Device

6.1. Device Manager Server

Enable this to register to DNAKE cloud platform and check Node connection information and status.



6.2. Device

1. Automatic deployment

If Automatic deployment is enabled and Project/Site ID is filled in according to site ID on DNAKE Cloud Platform, this device would be connected with your installer account. All the rest settings like building, unit numbers can be changed on the cloud remotely. To change building, unit numbers manually, automatic deployment should be disabled.

2. Device Name

Device Name is for display on cloud, Indoor Monitor or APP.

3. Mode:

Door Station: It is for apartment building. Users can dial by pressing apartment numbers;

Villa Station: It is for villa or single family. Apartment number is required to fill in. Users can press one button or bell button to make a direct call.

Gate Station: It is for calling residents who are living in different buildings but in the same site.

4. Building No. (1-999) / Unit No. (0-99)

Building No. is the number of the building in which the device is installed. Unit is a division of a building.

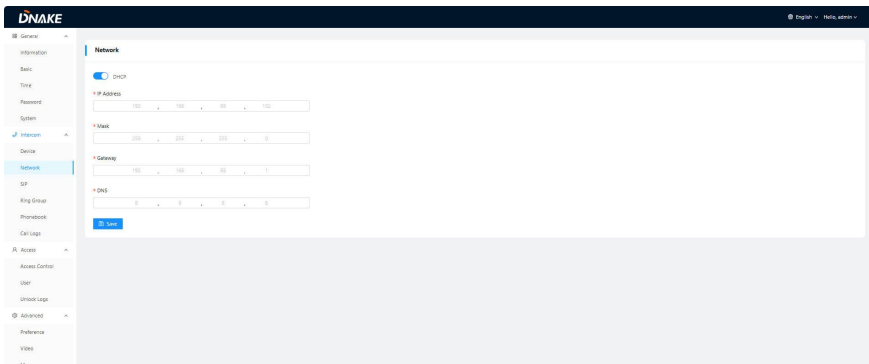
5. Device No. (1-9)

If lots of same-mode devices installed in the same site, and they share the same settings such as building, unit or apartment numbers, Device No. should be set to different numbers to distinguish.

The screenshot shows the Dnake Device Manager Server web interface. On the left is a sidebar menu with categories: Information, Basic, Time, Password, System, Intercom, Device, Network, SIP, Ring Group, Phoneline, Call Logs, Access Control, User, Unlink Logs, Advanced, Preference, Video, and More. The 'Device' category is selected. The main content area is titled 'Device Manager Server' and has a sub-section 'Device'. It contains several configuration options: 'Register To Cloud' (checked), 'Nodes: Default Node (Connected)' with a 'Nodes' button, 'Automatic deployment' (checked), 'Project ID' (empty field), 'Device Name' (empty field with a '0/18' character count), 'Mode' (dropdown menu showing 'Door Station'), 'Building No.' (empty field with a '0/3' character count), 'Unit No.' (empty field with a '0/3' character count), and 'Device No.' (empty field with a '0/3' character count). At the bottom of the configuration section is a 'Save' button.

7. Intercom > Network

Network can be set to either DHCP or static. IP address here is not current IP address but static IP. Current IP address is in the information page.



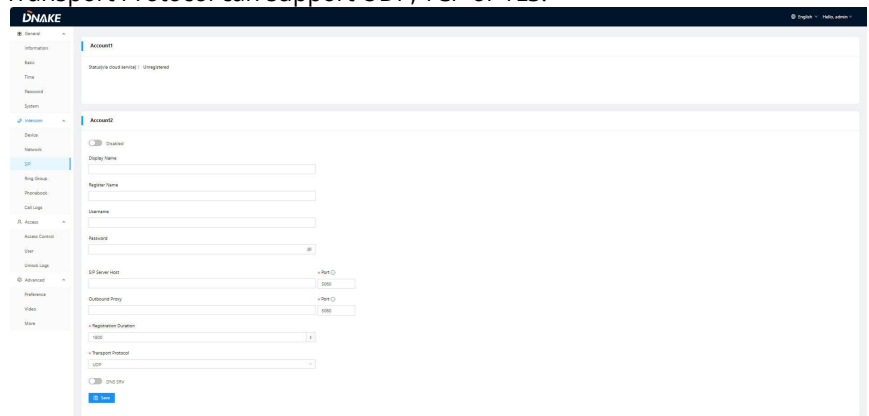
8. Intercom > SIP

8.1. Account 1

The 1st SIP account is for registering to DNAME Cloud Platform.

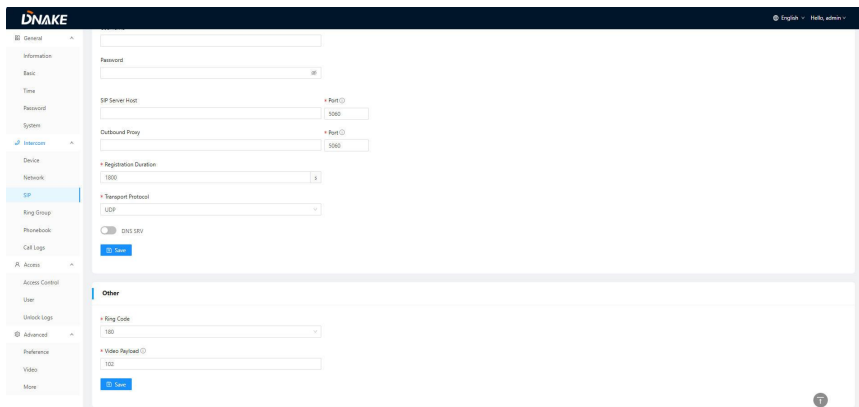
8.2. Account 2

Transport Protocol can support UDP, TCP or TLS.



8.3. Other

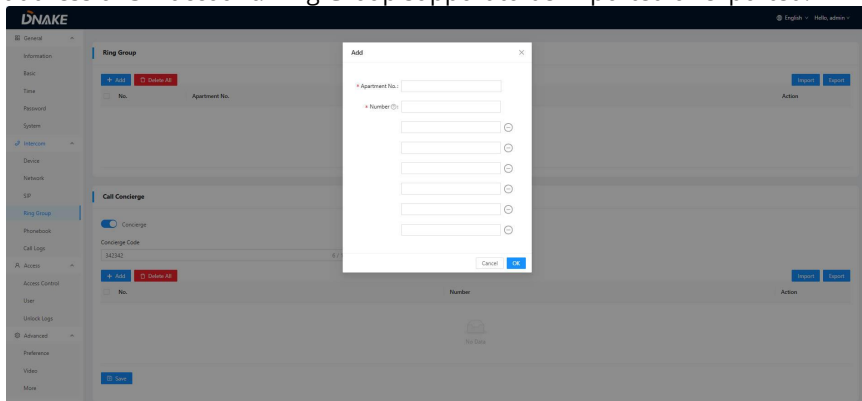
Ring code can be 180 or 183. Video payload range is from 96 to 127.



9. Intercom > Ring Group

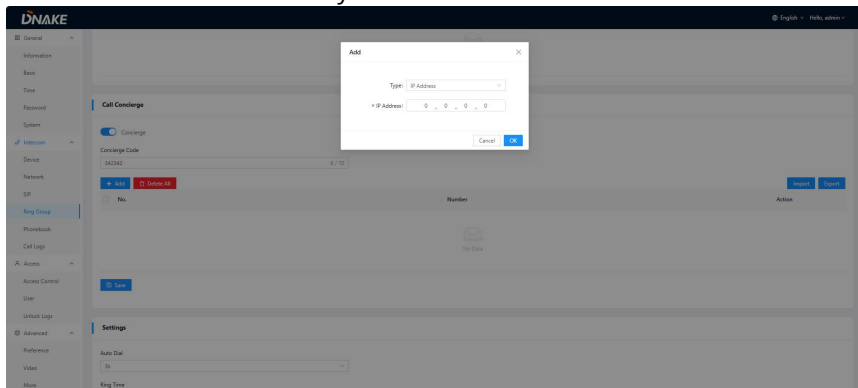
9.1. Ring Group

After clicking on Add icon, fill in Apartment No. which is the number to press on the device. Number (7 Max) is the call destination which can support IP address or SIP account. Ring Group support to be imported or exported.



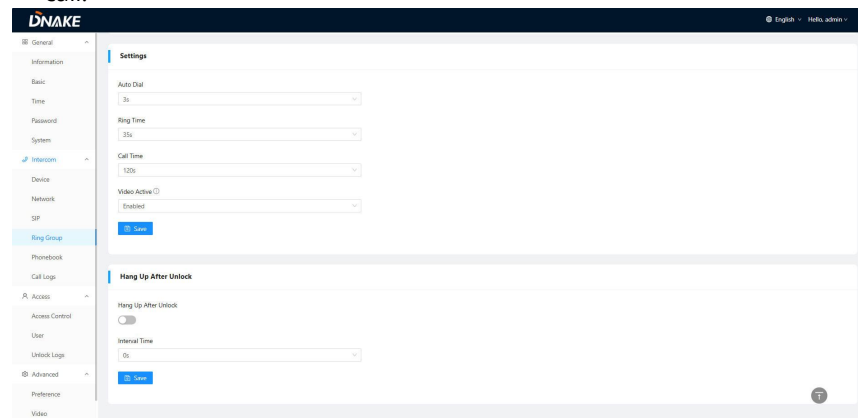
9.2. Call Concierge

Call Concierge is for setting up the Concierge icon on homepage. Enable this and add the call destination by IP Address or SIP Address.



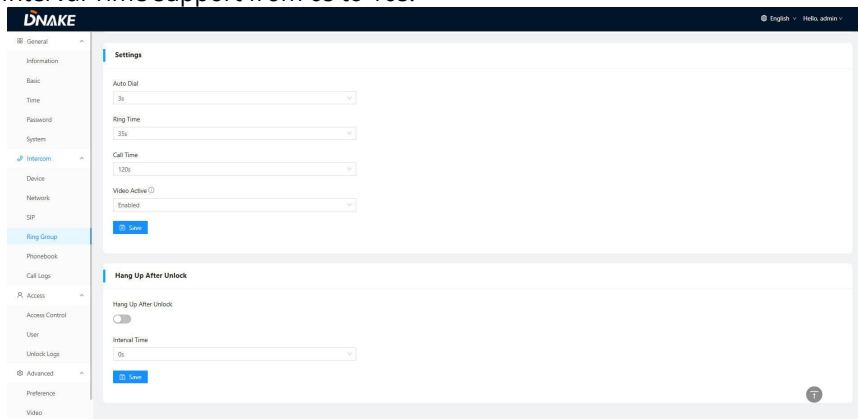
9.3. Settings

1. Auto Dial (3s, 5s, 10s, 20s)
Call would be initiated again if Auto Dial is enabled.
2. Ring Time (10s, 20s, 35s, 45s, 60s, 90s, 120s)
The time length for ringing.
3. Call Time (10s, 20s, 30s, 45s, 60s, 90s, 120s, 300s, 600s, 1200s, 1800s)
The time length for the call.
4. Video Active (Enabled, Disabled)
Set to Enabled to receive video call or set to Disabled to make audio only call.



9.4. Hang up After Unlock

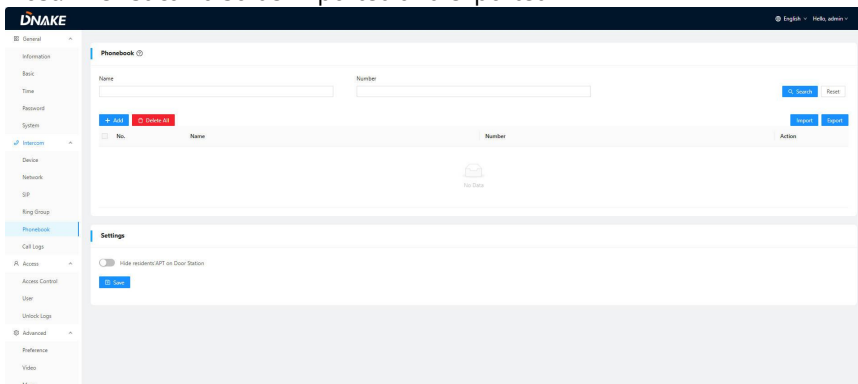
Call would be ended automatically after unlocking if this function is enabled. Interval Time support from 0s to 10s.



10. Intercom > Phonebook

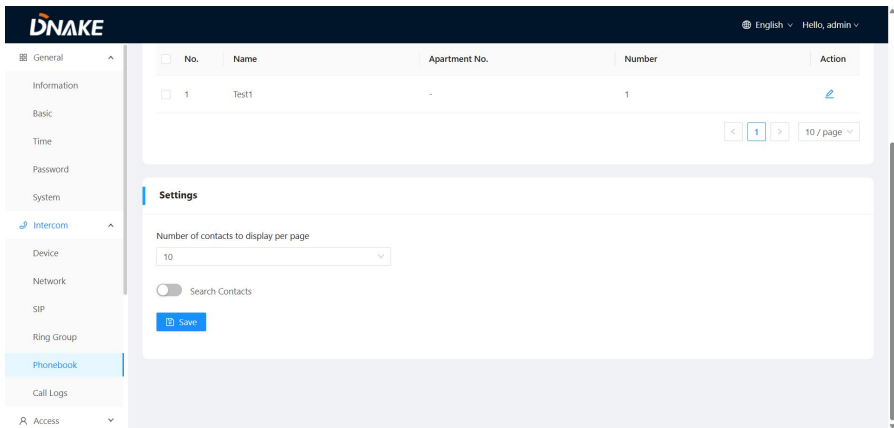
10.1. Phonebook

Contacts can be manually added to the device. It can support 400 items at most. The list can also be imported and exported



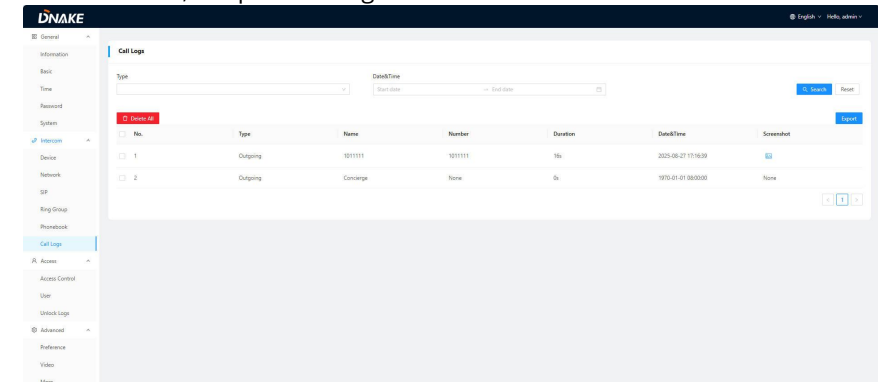
10.2. Settings

Resident's apartment numbers can be hidden from the door station's screen out of security concern and choose the number of contacts display in per page.



11. Intercom > Call Logs

Logs presents Type, Name, Number, Duration, Date&Time, and Screenshot. It can also be exported. 500 call logs are supported at most; If the logs reached more than 500, the previous logs will be covered.



12. Access > Access Control

12.1. Relay

1. Relay

DTMF: Relay's DTMF can be changed to #, *, 0, 6, 7, 8, 9.

Unlock Delay: Unlock Delay can be changed from 0s to 9s.

Unlock Time: Unlock Time can be changed from 1s to 9s.

Click to Unlock: Relays can also be unlocked by clicking on the unlock icon on this web.

2. Dry Contact input 1-4/Elevator Floor Configure

Dry Contact input 1-4: Inputs can be changed to 3 types, Exit, Door Sensor, Fire Linkage.

Exit button: Exit button can be linked with different relays and 3 modes, DO NO CALL, Call to Concierge, Call to Number. DO NOT CALL means unlock directly after pressing exit button. Call to Concierge means Door Station will call concierge to confirm the identity. Call to Number means Door Station will call the filled-in apartment number or IP address.

Elevator Floor Configure: Set the floor where this device is installed. The floor range is from -9 to 99. This setting is required when you have DNAKE Elevator Control Module installed.

Relay	DNMF	Unlock Delay	Unlock Time	Click to unlock
Relay1	#	0s	0s	
Relay2	0	0s	0s	
Relay3	*	0s	0s	

Dry Contact Input 1
Exit Button: Relay1 Do Not Call

Dry Contact Input 2
Exit Button: Relay2

Dry Contact Input 3
Exit Button: Relay3 Call to Number VRF

Dry Contact Input 4
Door Sensor

Fire Linkage

Elevator Floor Configure
1

Save

12.2. Card (SL1/SL3)

1. Default Mode

The last 3 bytes of card would be read in default Mode. And relays should be chosen for registered card to unlock.

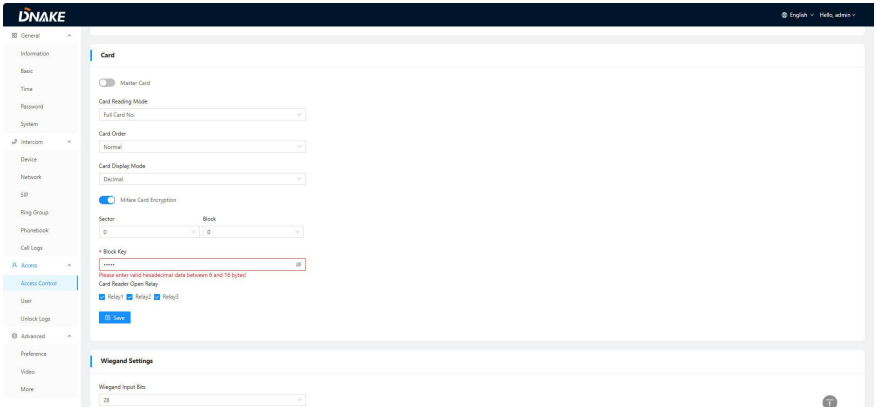
2. Full Card No.:

Card Order: it can either be normal or reversed sequence for display.

Card Display Mode: 2 options, Hexadecimal and Decimal.

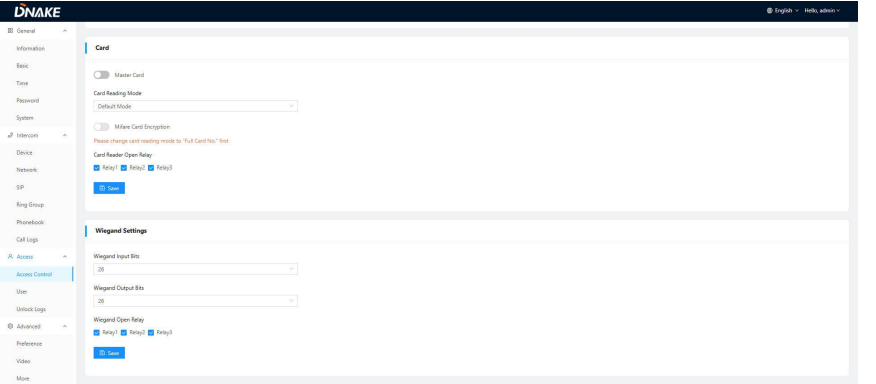
Mifare Card Encryption:

Mifare can be encrypted. Sector (0-15), Block (0-3) and Block Key (6-16 bytes) should be filled in according to Mifare card. And relays should be chosen for registered card to unlock.



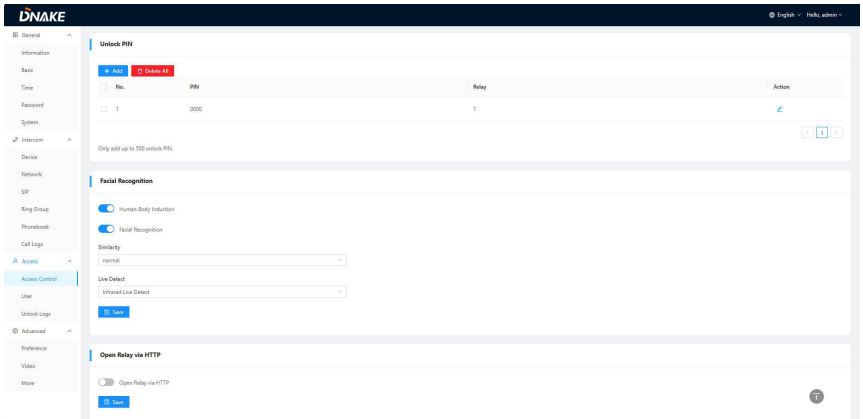
12.3. Wiegand Settings

Wiegand Input Bits and Wiegand Output Bits support to be set to 26, 34, or 58. And relays should be chosen for Wiegand to unlock.



12.4. Unlock PIN

500 unlock PIN codes can be created.



12.5. Facial Recognition

1. Human Body Induction

Facial recognition would be started automatically if anyone is in front of the camera.

2. Facial Recognition

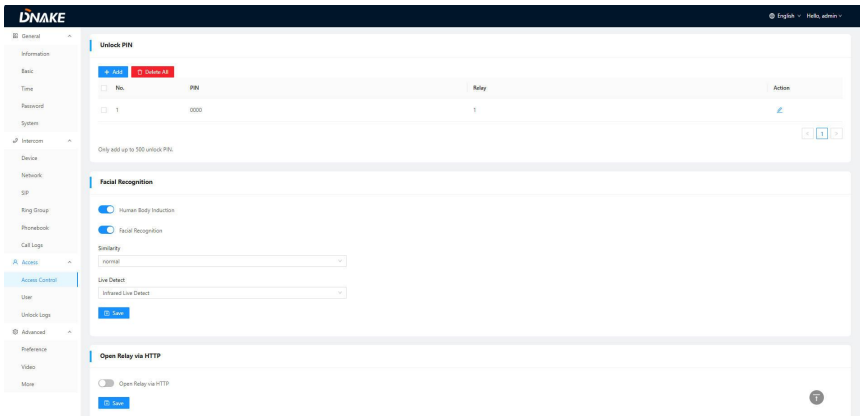
The switch for facial recognition function.

3. Similarity (Low, normal, high)

Sensitivity of facial similarity analyzer.

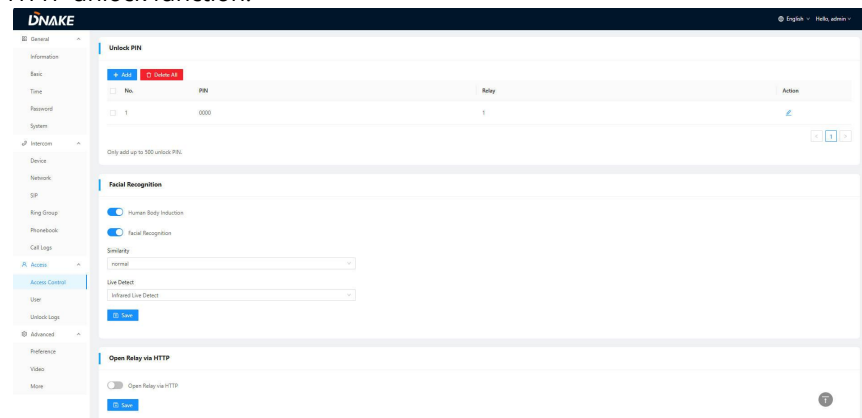
4. Live Detect (Infrared Live Detect)

Only real person can unlock by facial recognition. Photo or video are not allowed.



12.6. Open Relay via HTTP

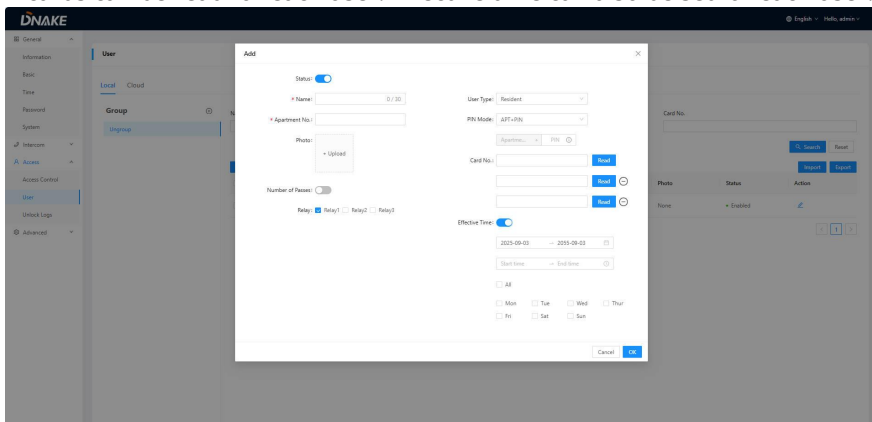
HTTP unlock function.



13. Access > User

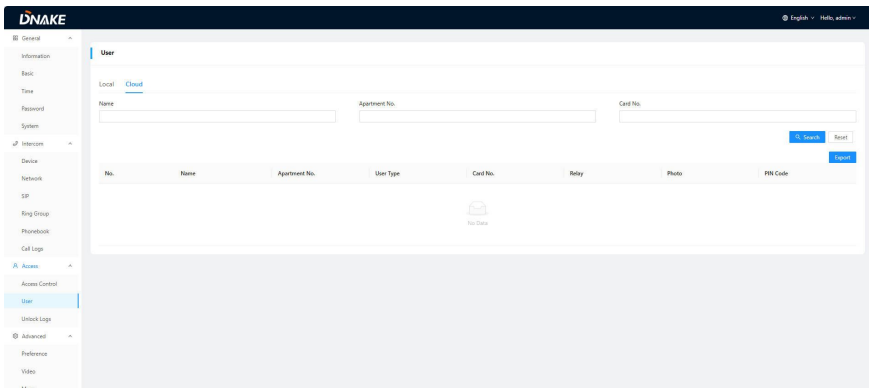
1. Local

Click on Add to add users to the local device. It can support 20,000 users at most. Photo can be uploaded. Individual PIN code can be generated and cards can be read for each user. Effective time can also be set for each user.



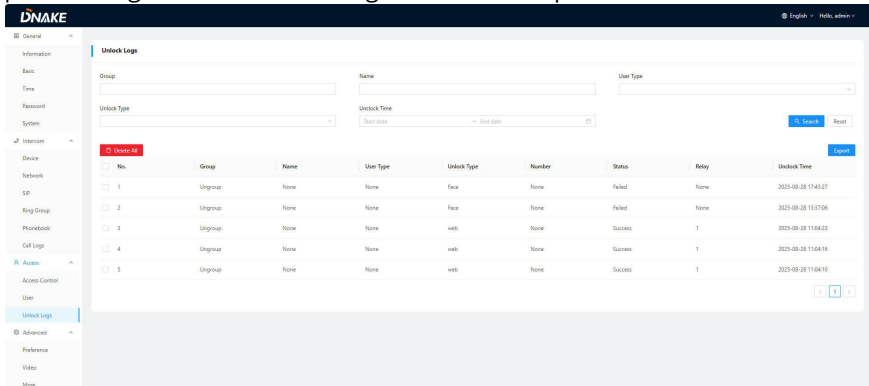
2. Cloud

Users in this page are downloaded from DNAKE Cloud Platform. It can also be exported.



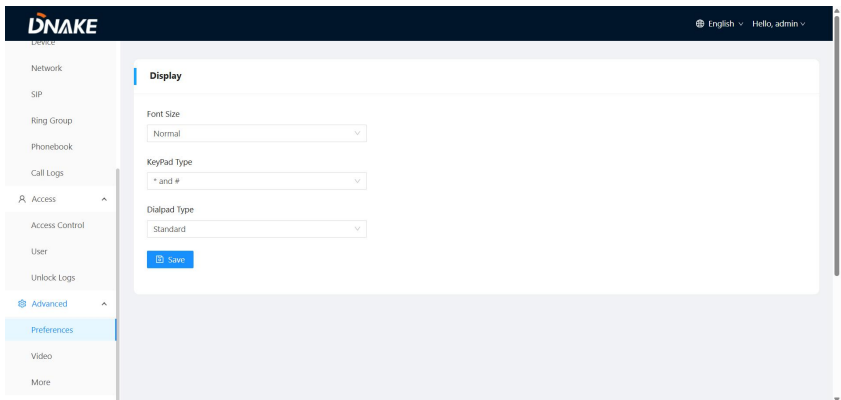
14. Access > Unlock Logs

It supports 500 unlock logs at most. If the logs are more than 500, the previous logs will be covered. Logs can also be exported.



15. Advanced > Preference

Change the keypad front size, keypad type and display type.



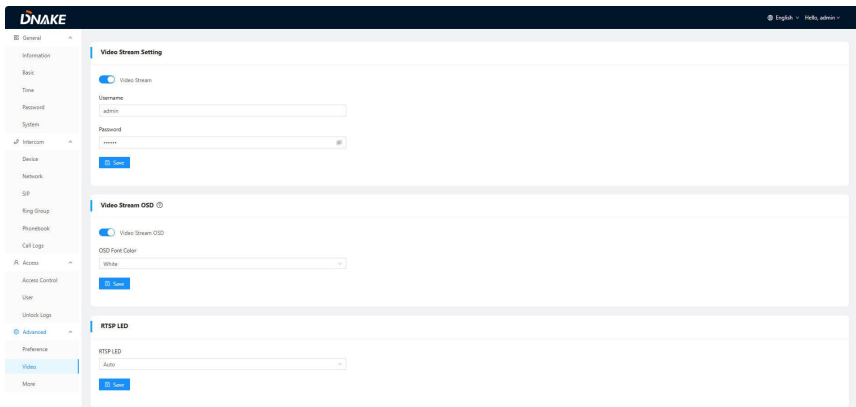
16. Advanced > Video

16.1. Video Stream Setting

The RTSP format of DNAKE intercom's camera is:

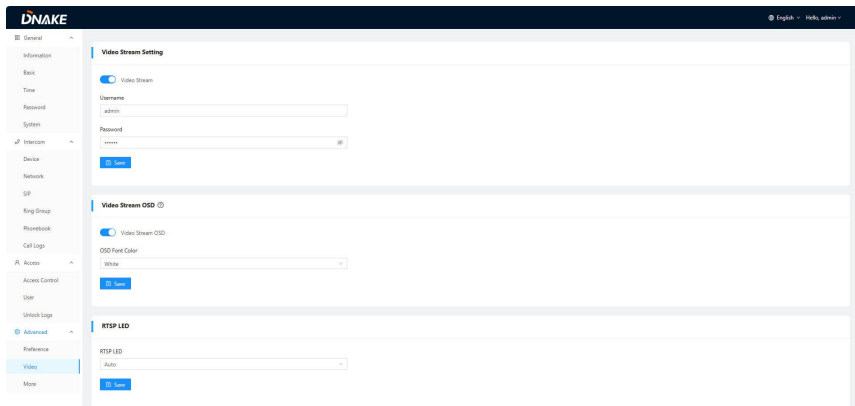
rtsp://admin:123456@192.168.68.103:8554/ch01

Default Username is admin and Password is 123456.



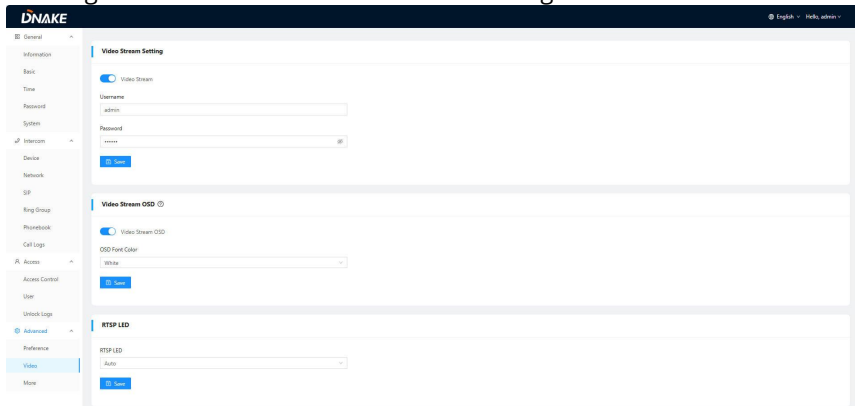
16.2. Video Stream OSD

Enable this to display real time stamp in white or black on each frame of Door Station's surveillance footage.



16.3. RTSP LED

Set fill light to Auto mode or off mode when using RTSP stream.



16.4. RTSP Feed

To get IP camera's Real-time video, fill in its URL (RTSP). On the talking interface of Indoor Monitor, user can click the little keyboard icon to switch to IP cameras' video. (No.1 on the keyboard stands for Door Station while No.2 to No.5 stands for IP cameras)

17.3. Scheduled Sleep

Screen sleep time can be set here.

17.4. Other

1. ONU Penetration
Enable this to prevent ONU from banning multicast;
2. Call Mode
Call mode can be changed to Apartment No. call, SIP Call, Contact Name Call.

DINAKE

English

Help, admin

General

Information

Basic

Time

Personal

System

Intercom

Device

Network

SIP

Ring Group

Phonebook

Call Logs

Access

Access Control

User

Unlock Logs

Advanced

Preference

Video

More

Sample Alarm

Go Home

Scheduled Sleep

Scheduled Sleep

Start time

→

End time

All

Mon

Tue

Wed

Thur

Fri

Sat

Sun

Go Home

Other

ONV Reversion

Call Mode

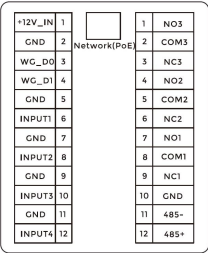
Apartment No. call

Go Home

1

42

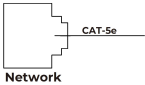
DEVICE WIRING



1. Network (PoE)

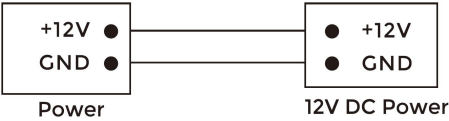
Standard RJ45 interface is used to be connected to the Master Station, Indoor Monitor and/or other network equipment.

PSE shall comply with IEEE 802.3at (PoE+) and its output power not less than 30W and its output voltage not be less than 50V.

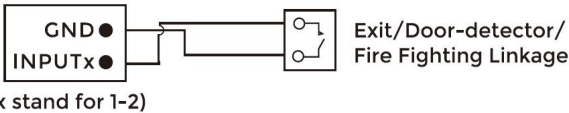


2. Power

The power interface of Door Station connects to 12V DC power.



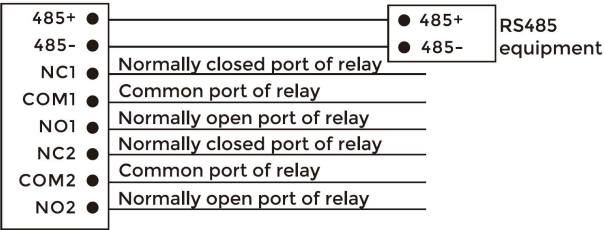
3. Exit/Door-detector/Fire Fighting Linkage



4. RS485/Switching Value Output

Enable to connect equipment with RS485 interface.

Connect to the lock module (an independent power supply is necessary for the lock).



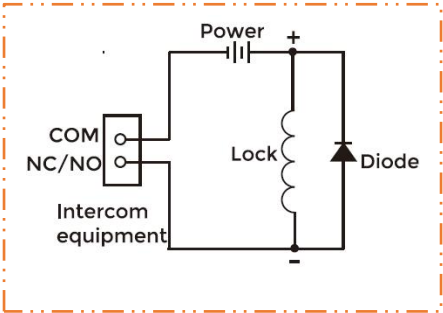
RS485/Switching Value Output

Warning!

1. When connecting to an inductive load device such as a relay or electromagnetic lock, you are recommended to use a diode 1A/400V (included in the accessories) in anti-parallel with the load device to absorb inductive load voltage peaks. The intercom will be better protected in this way.

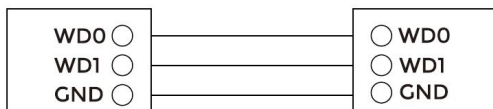
2. The load current of the relay cannot be greater than 2A.

See attached picture for more details.



5.Card Reader Interface

The interface can be connected to one IC/ID card reader or be used for outputting the information of built-in card reader.



Card Reader Interface

Card Reader and Access Control System

Note: Door Station can only be connected to one card reader or a third party access control system at a time.

TROUBLESHOOTING

The Indoor Monitor cannot start up or power off automatically.

- Check whether it has power-failure, and power it on again

The Indoor Monitor display screen is too dim.

- Check whether the brightness and contrast settings of screen are correct.

No sound during the communication.

- Check whether the Indoor Monitor is set as mute mode, or the volume is set to the lowest.

The Indoor Monitor cannot monitor the Door Station.

- Other user is using the system, so you can use it once he/she finished the operation.

Multimedia files cannot be played normally.

- Check whether the system supports the file format. Please refer to the multimedia setting for details.

No response when clicking Indoor Monitor display screen.

- Press "Unlock" button for 5s, or slowly slide horizontally or vertically on the LCD to make touchscreen calibration. It needs to be calibrated.

Touchscreen responses slowly or cannot make calibration.

- Take down any protective paster, since it may affect identification
- and input for device;
- Ensure the finger is dry and clean when clicking touchscreen;
- Restart the device to clear any temporary software error.

The temperature of device is too high.

- Long-term use leads to high temperature. It's normal and will not affect the device's use life and performance.
-

SAFETY INSTRUCTION

In order to protect you and others from harm or your device from damage, please read the following information before using the device.

- Do not install the device in the following places:
- Do not install the device in high-temperature and moist environment or the area close to magnetic field, such as the electric generator, transformer or magnet.
- Do not place the device near the heating products such as electric heater or the fluid container.
- Do not place the device in the sun or near the heat source, which might cause discoloration or deformation of the device.
- Do not install the device in an unstable position to avoid the property losses or personal injury caused by the falling of device.

Guard against electric shock, fire and explosion:

- Do not use damaged power cord, plug or loose outlet.
- Do not touch the power cord with wet hand or unplug the power cord by pulling.
- Do not bend or damage the power cord.
- Do not touch the device with wet hand.
- Do not make the power supply slip or cause the impact.
- Do not use the power supply without the manufacturer's approval.
- Do not have the liquids such as water go into the device.

Clean Device Surface

- Clean the device surfaces with soft cloth dipped in some water, and then rub the surface with dry cloth.

Other Tips

- In order to prevent damage to the paint layer or the case, please do not expose the device to chemical products, such as the diluent, gasoline, alcohol, insect-resist agents, opacifying agent and insecticide.
- Do not knock on the device with hard objects.
- Do not press the screen surface. Overexertion might cause floppover or damage to the device.
- Please be careful when standing up from the area under the device.
- Do not disassemble, repair or modify the device at your own discretion.

- The arbitrary modification is not covered under warranty. When any repair required, please contact the customer service center.
- If there is abnormal sound, smell or fume in the device, please unplug the power cord immediately and contact the customer service center.
- When the device isn't used for a long time, the adaptor and memory card can be removed and placed in dry environment.
- When moving, please hand over the manual to new tenant for proper usage of the device.

**EASY & SMART
INTERCOM SOLUTIONS**