

User Manual

DNAKE N1146



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. Easy configuration
2. 7-inch capacitive touch screen
3. Powered by PoE (Non-Isolated) or power adapter (DC12V/2A)
4. Support SIP 2.0 protocol, easy integration with other SIP devices
5. Easy integration with elevator control system
6. Support monitoring 16 IP cameras

TECHNICAL PARAMETER

System: Linux

RAM: 64 MB

ROM: 128 MB

Front Panel: Plastic

Power Supply: PoE (Non-Isolated) or DC 12V/2A

Power Output: 1 (12V/100mA)

Alarm Input: 8

Ethernet Port: 1 x RJ45, 10/100 Mbps adaptive

Resolution: 1024 x 600

Dimension: 177.5 x 111.2 x 14 mm

Working Temperature: -10℃ to +55℃

Storage Temperature: -40℃ to +70℃

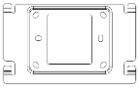
Working Humidity: 10% to 90% (non-condensing)

PACKAGE CONTENT

MODEL: N1146



N1146



Bracket

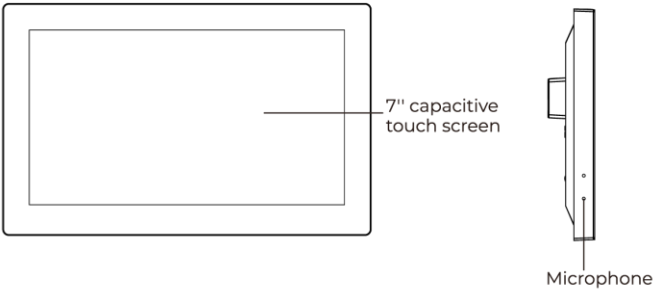


Screw



Quick Start Guide

OVERVIEW



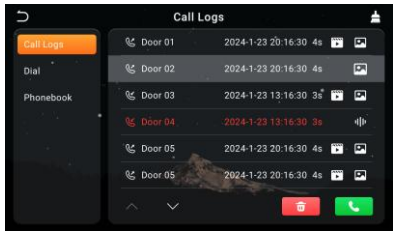
BASIC OPERATION

1. Call

1.1. Call Logs

Go to Call, select Call Logs. This page displays the device's call history, call screenshots, and video messages left for unanswered calls. When the message function is enabled, if a door station call to the indoor monitor remains unanswered for 30 seconds, the indoor monitor automatically answers and start message recording.





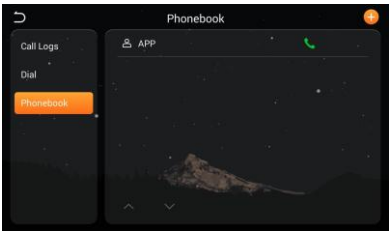
1.2. Dail

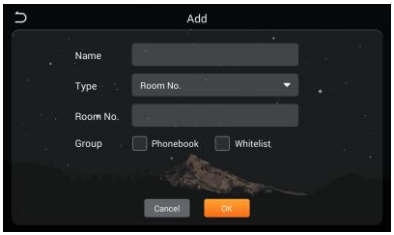
Go to Call, select Dial and enter Building number + Building + Unit number + Unit + Room number + dial icon to call Indoor Monitor (such as 1 + Building + 1 + Unit + 1111 + Dial button). Press Concierge here to call Master Station. Press the APP button to directly call the Smart Pro app on your smartphone. Residents can also use the Smart Pro to call the indoor monitor.



1.3. Phonebook

Go to Call and select Phonebook. Select the name on the phonebook and press Dial button to call, Edit button to edit and Delete button to delete. Tap the plus icon in the upper-right corner to add a Phonebook contact. On the Add page, select whether to also add the contact to the whitelist.





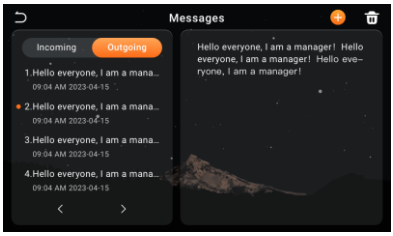
2. Message

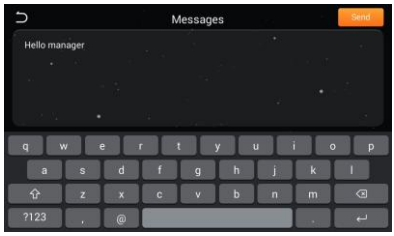
Indoor Monitor can receive messages sent by the Master Station, Indoor Monitor and Cloud Platform. Up to 64 records can be received in SMS.





Click + icon on Outgoing page. Users can send message to Indoor Monitor or Master Station. Before sending message, users need to fill in the receiver's IP address on Indoor Monitor webpage (Message IP in Intercom > Call > Advanced > Message IP).





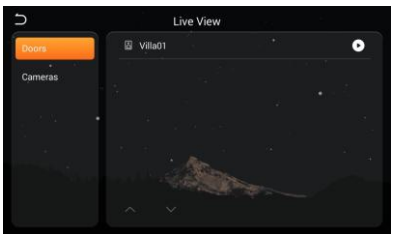
3. Live View

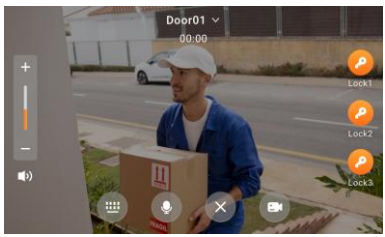
Click Live View icon on the homepage to view live video of Door Station or Cameras.



3.1. Doors

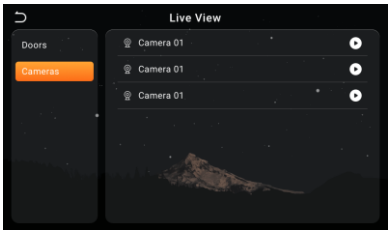
In Doors live view you can unlock by clicking the unlock icon or switch to monitor other door stations.





3.2. Cameras

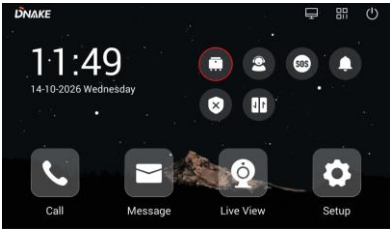
In Camera tab, you can view the live view of IP camera in the list. For one monitor, it support connect 16 IP cameras in total.

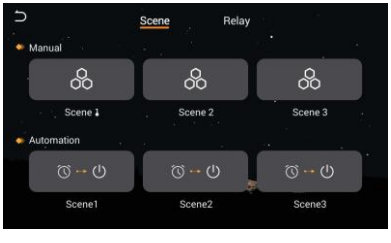


4. Home Control

4.1. Scene

Scenes can be controlled on this page. The configured relays are triggered or deactivated according to the scene settings. The configured relays are activated or deactivated according to the manual or automatic scene settings. Tap a manual scene to trigger its associated relays. The automatic scene list displays all successfully configured automatic scenes, when the trigger condition configured for an automatic scene is met, the relay associated with that scene are activated simultaneously.

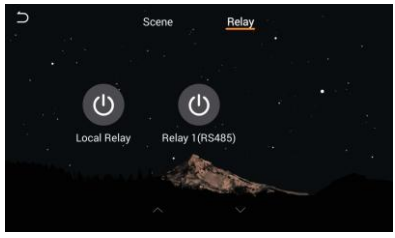




4.2. Relay

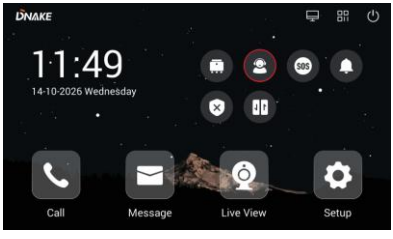
Press Local Relay icon to release local relay. Supports adding an external DNAKE UM5-F19 relay. After connection and configuration in Web Setting

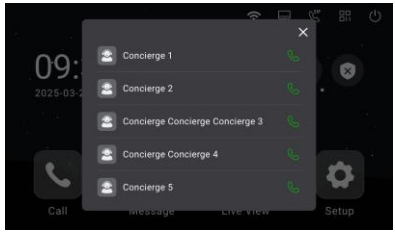




5. Concierge

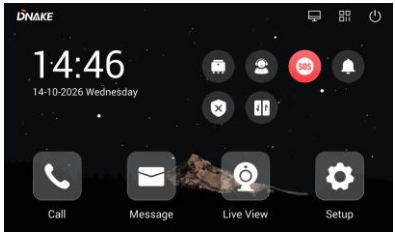
Press the Concierge icon to call the Master Stations sequentially. Multiple Master Stations across different local networks are supported. Alternatively, select a specific Master Station to call.





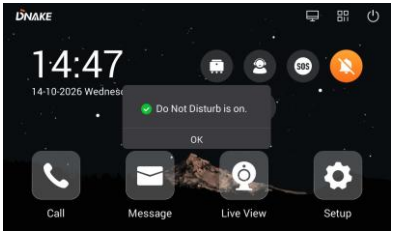
6. SOS

Users can press SOS icon on the right upper corner to send SOS to Master Station and mobile App. Users can set the trigger time length on the webpage. If the long-press time is set to 3 seconds, users need to hold the SOS icon for that duration before an SOS is sent, thus avoiding accidental triggers.



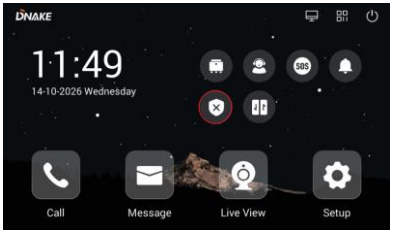
7. DND

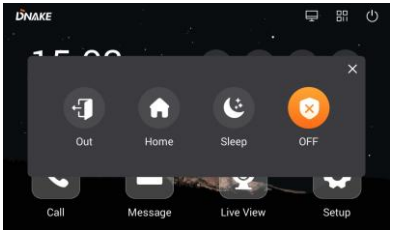
Click DND icon on the right upper corner to enable do not disturb function. No calls can call in. Users can set DND to turn on whole day or a period of time.



8. Security

Security is for sensors. The default password is 1234.





Option	Description
ON:	Click Out, Home, or Sleep icon to activate the scene for alarm sensors, the icon on the main interface will light up with a beep sound;
OFF:	Click OFF to disable scene;

9. Elevator

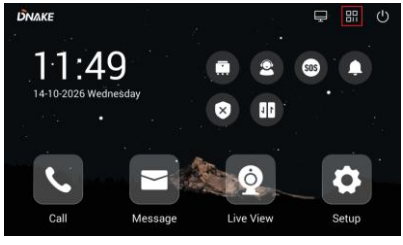
Press the Elevator icon to control elevator (Elevator Control Module is needed).

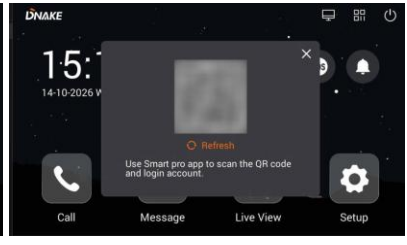




10. QR Code

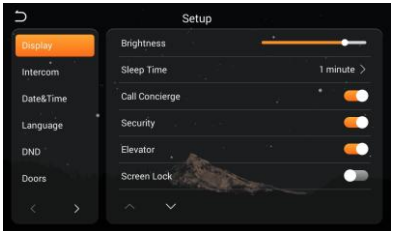
Click QR Code and scan by Smart Pro app to add this Indoor Monitor to your phone. Only when the license is filled in Internet-connected Indoor Monitor, QR code will be available.

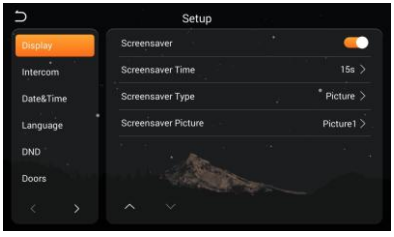




DEVICE SETTING

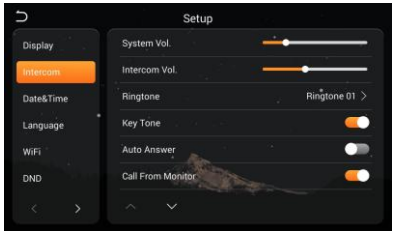
1. Display

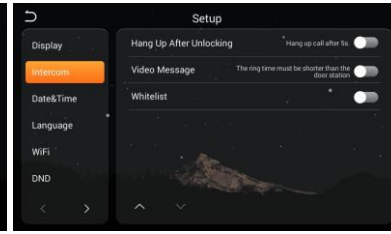




Option	Description
Brightness:	Screen brightness adjustment;
Sleep Time:	Screen sleep time (15s, 30s, 1min, 2mins, 5mins, 10mins, 30mins);
Call Concierge:	Enable to show the call concierge icon in homepage;
Security:	Enable to show Security icon in homepage;
Elevator:	Enable to show Elevator icon in homepage;
Screen Lock:	The screen will be locked after screen off timeout (Unlock password is security password. The default password is 1234);
Screensaver	Enable or Disable Screensaver function, When enabled, the device enters screen saver mode after remaining inactive for the configured screen saver timeout.
Screensaver Time	Configure the screen saver timeout. (15 s, 30 s, 1 mins, 2 mins, 5 mins, 10 mins, 30 mins, 1 hour, and 2 hours.)
Screensaver Type	This function allows you to select between Image and Clock screen saver types.
Screensaver Picture	When picture is selected as the screen saver mode, configure the images displayed in the screen saver. The available options are System Screen Saver and Custom Screen Saver.

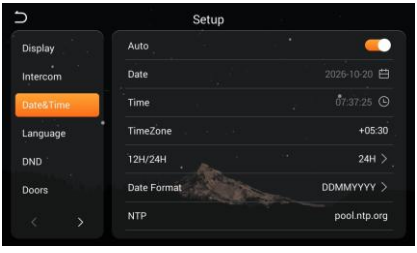
2. Intercom





Option	Description
System Vol:	Volume of System can be set from 1 to 6. Volume 6 is the maximum volume (Key tone);
Intercom Vol:	Volume of Intercom can be set from 1 to 6. Volume 6 is the maximum volume (Call volume);
Ringtone:	The ringing sound (Ringtone 01-04);
Key Tone:	The keytone (Enable or disable);
Auto Answer:	Pick up automatically when receiving a call;
Call From Monitor:	Allow monitor to receive call from other monitor in same LAN;
Hang Up After Unlock:	Hang up call automatically after unlock relay 5 seconds later;
Video Message	When the message function is enabled, if a door station call to the indoor monitor remains unanswered for 30 seconds, the indoor monitor automatically answers and displays the call screen.
Whitelist	Enable or disable whitelist function, calls from whitelisted devices ring and can be answered normally. Calls from non-whitelisted devices are rejected without ringing or generating missed call records.
Select Extra	Allows additional device types to be included in the whitelist. Select Door Station, Indoor Monitor, or Master Station to allow calls from these devices in addition to those listed in the whitelist.

3. Date & Time



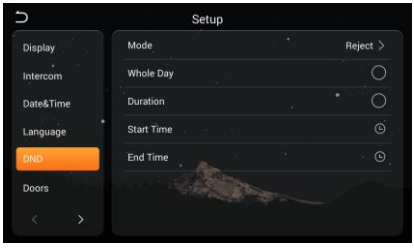
Option	Description
Auto:	Enable to synchronize computer time;
Date:	Set date index manually
Time:	Set time index manually
Time Zone:	A region that observes a uniform standard time;
12H/24H:	Select 12H or 24H format to display on the device;
Date Format:	3 time formats supported (YYYY-MM-DD, DD-MM-YYYY, MM-DD-YYYY);
NTP:	Network Time Protocol (NTP) is a protocol used to synchronize NTP time;

4. Language



Option	Description
Language:	Configure the language used by the device and system interface.

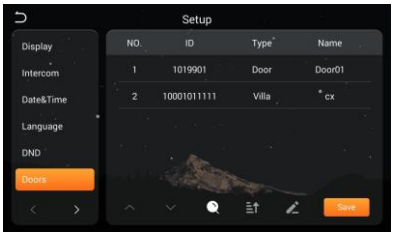
5. DND



Option	Description
Mode	Select the DND mode Reject Mode: The device will reject calls and display a missed call record within the configured time Mute Mode: The device can receive calls but does not ring within the configured time.
Whole Day	When DND mode is enabled, the device rejects incoming calls or silences the ringtone, depending on the selected mode. DND remains active for 24 hours.
Duration	When DND mode is enabled, the device rejects incoming calls or silences the ringtone, depending on the selected DND mode. The mode remains active from Start Time to End Time.

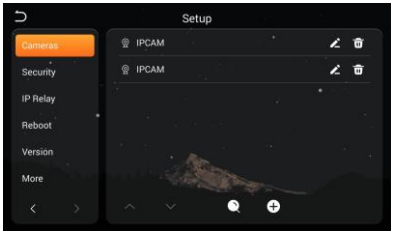
6. Doors

You need to click search icon to add Door Stations to Indoor Monitor and click Save to save before monitoring. Click funnel icon to pin the selected device to the top. Click pen icon to edit devices.

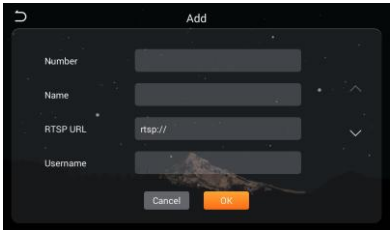


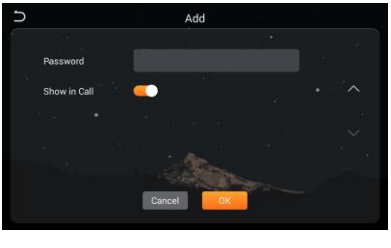
7. Cameras

Users can add IP cameras via ONVIF search or manually input RTSP address. After configuration, you can view the cameras in homepage. For one monitor, it support to add up to 16 cameras maximum. Add third-party door station via RTSP URL on this page. When an incoming call is received from a third-party device whose number matches a configured Number, the indoor monitor displays the corresponding RTSP video stream if Display in Call is enabled.



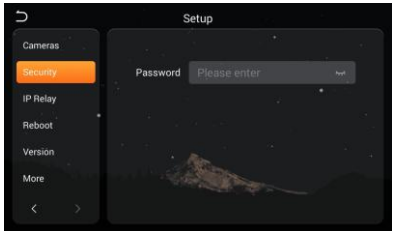


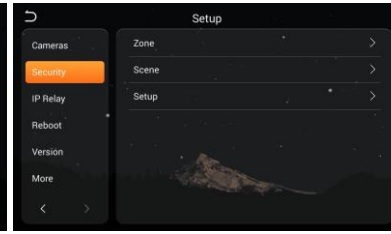




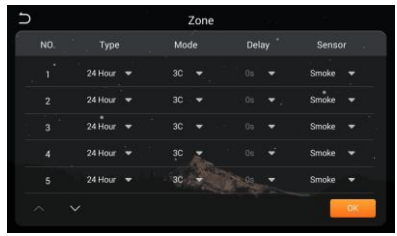
8. Security

Security is for sensors. The default password is 1234.





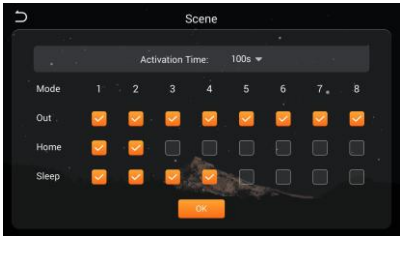
8.1. Zone



Option	Description
Type:	• Normal: When users enable an alarm scene on the On/Off page, Normal type alarm zone will be activated after activation time. ○ 100 seconds is the default activation time, it means the alarm will be activated after 100 seconds. ○ After 100s, once sensor is triggered, Indoor Monitor will send this alarm to Master Station. ○ But sometimes users don't want to send the alarm to Master Station (maybe alarm by mistake), users can set the Delay time, so they can cancel the alarm in the Indoor Monitor during this Delay time (PIR, Door, Window);

	• Emergency: once Panic button is triggered, Indoor Monitor will not initiate an alarm and only Master Station will receive alarms secretly; 24 hours standby even if the security is off (Panic, Pull Cord); • 24 Hour: Indoor Monitor will initiate an alarm and Master Station will also receive alarms. 24 hours standby even if the security is off (Smoke, Gas, Flood);
Mode:	• 3C: for the sensor with 2.2KΩ resistance; Regardless of the connection to NC or NO, the alarm can be triggered normally; • NO: normally open; • NC: normally closed; • BELL: in BELL mode, Master Station will not receive any alarm. Indoor Monitor is regarded as a doorbell receiver;
Delay:	Once sensor is triggered, Indoor Monitor will send this alarm to Master Station, but users can terminate the alarm sending to Master Station during the delayed time set here. Delay setting is only effective for Normal type (0s, 5s, 15s, 20s, 25s, 40s, 60s);
Sensor:	Sensor types (Smoke, Gas, PIR, Door, Window, Panic, Flood, Pull Cord);

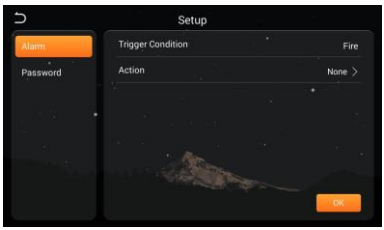
8.2. Scene

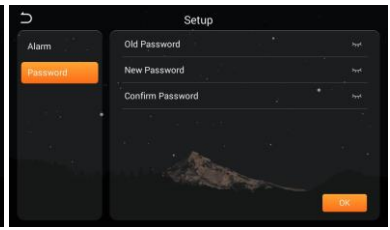


Option	Description

Activation Time:	Only after activation time, will scene be activated. Activation time is only effective for Normal type (NONE, 30s, 40s, 60s, 100s, and 300s);
Mode:	Tick to link sensors to Out, Home, or Sleep scene;

8.3. Setup



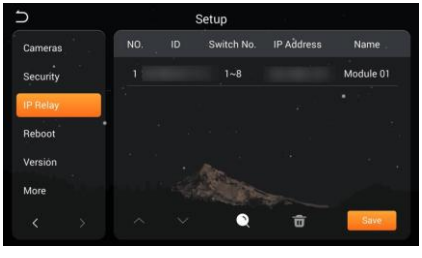


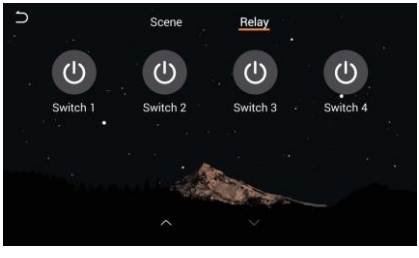
Option	Description
Trigger Condition	Displays the conditions that triggered the current alarm. When the corridor fire alarm system detects a fire, it sends a dry contact signal to the indoor monitor to trigger an alarm. The Master Station receives the alarm, and all indoor monitors and door stations on the same LAN also receive the alarm notification. The indoor monitors and door stations sound an alarm and display the alarm screen.
Action	Configure the actions to be performed when an alarm is triggered. Available options are None and Sync Alarm with Broadcast.
	Sync Alarm with Broadcast: When a fire alarm is triggered on the indoor monitor, all devices within the broadcast range also sound the fire alarm.
	None: When a fire alarm is triggered on the indoor monitor, devices within the broadcast range do not sound the fire alarm.

Old Password:	Current security password of the Device (Default 123456);
New Password:	New security password of the Device;
Confirm Password:	Confirm security password of the Device;

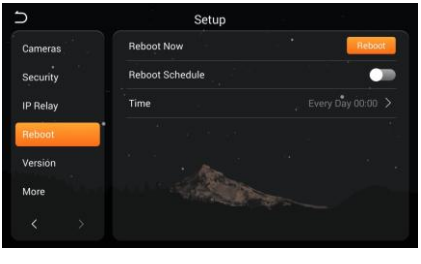
9. IP Relay

When the RIM08 module and the device are on the same LAN, configure the Building, Unit, Apartment, and Sync settings to match those of the device. Then click Search on the IP Relay page. After successfully adding the relay, go to Home Control > Relay and tap Next Page to access the relay control buttons.





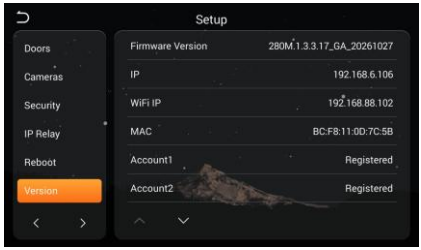
10. Reboot

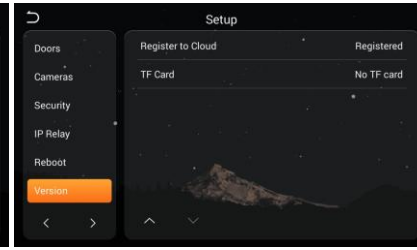


Option	Description
Reboot Now	The device will restart immediately

Reboot Schedule	Enable or disable scheduled device restart. When enabled, the device restarts daily at the configured time.
Time	Configure the scheduled restart time.

11. Version

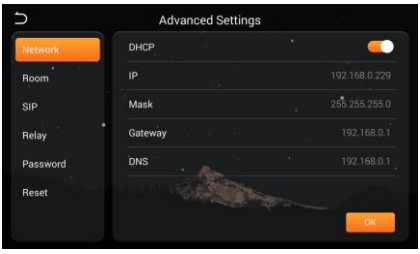




Option	Description
Firmware Version:	Firmware version of the device;
IP:	Current IP address of the device;
Wi-Fi IP:	Current Wi-Fi IP address of the device;
MAC:	MAC address of the device;
Account1:	Status of SIP account1 registration of the device;
Account2:	Status of SIP account2 registration of the device;
Register to Cloud:	Status of DNAKE Cloud platform registration of device;
TF Card:	Displays the TF card status and remaining storage capacity.

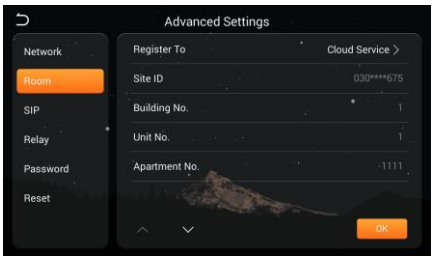
12. More > Network

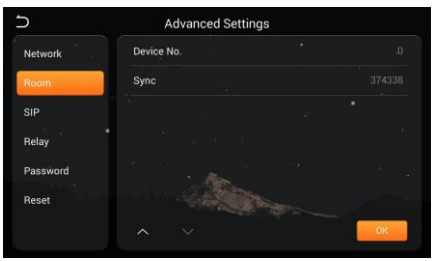
The device network can be set to either DHCP or a static IP address.



Option	Description
DHCP:	Enable DHCP (Dynamic Host Configuration Protocol) to dynamically distributing network configuration parameters;
IP:	Configure Static IP address to manually distributing network configuration parameters;
Mask:	Subnet mask;
Gateway:	A component that is part of two networks, which use different protocols;
DNS:	Domain Name Server of the device;

13. More > Room





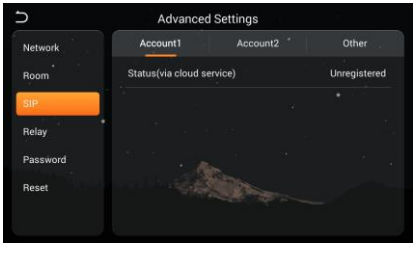
Option	Description
Register To:	Configure CMS or Cloud Platform device management server the device registers with
Site ID / CMS IP:	When Cloud Platform Service is selected, enter the corresponding Site ID in this field.

	When CMS service is selected, enter the corresponding CMS IP in this field.
Building:	Number of the building (Range: 1-999);
Unit:	Number of the unit (Range: 0-99);
Apartment No.:	Number of the apartment (Range: 0-9899);
Device:	Number of the device (Range: 0-9);
Sync:	A number used to synchronize to other Indoor Monitors;

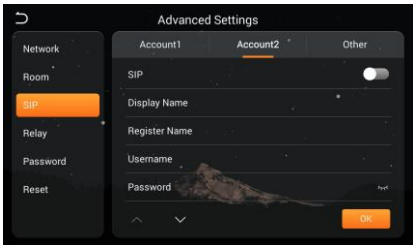
14. More > SIP

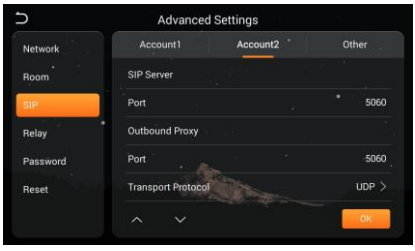
14.1. Account 1

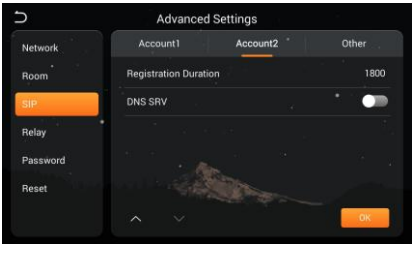
When the device is using the cloud platform service, Account 1 displays the device's registration status on the cloud platform; if the cloud platform service is not in use, refer to the Account 2 description to add a third-party SIP service.



14.2. Account 2

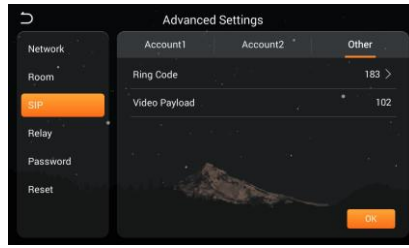






Option	Description
SIP:	Enable to use SIP;
Display Name:	Display name of SIP account;
Register Name:	Register Name of SIP account;
Username:	Username of SIP account;
Password:	Password of SIP account;
SIP Server Host:	Directly fill in SIP server's address e.g., 192.168.68.90; The default port is 5060;
Outbound Proxy:	Outbound Proxy server; the default port is 5060;
Transport Protocol:	Transport Protocol (UDP, TCP, TLS);
Registration Duration	Registration Duration defines how long a SIP client stays registered with the server.
DNS SRV	Configure whether to enable the DNS SRV function when the device registers with the SIP server.

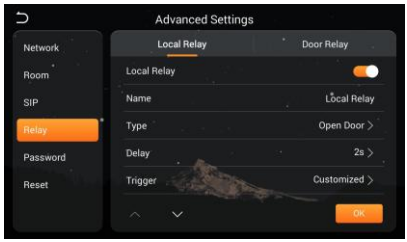
14.3. Other

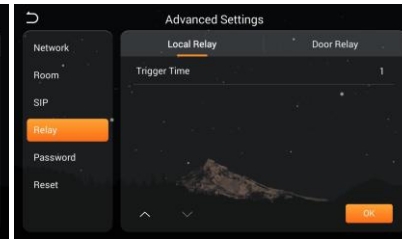


Option	Description
Ring Code	Selects the SIP provisional response code used during call setup (180 Ringing or 183 Session Progress).
Video Payload:	Video payload range is 96-127;

15. More > Relay

15.1. Relay > Local Relay



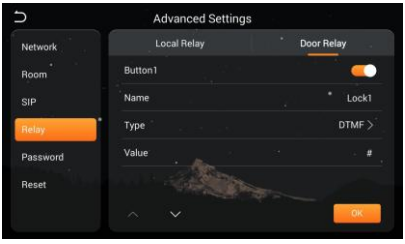


Option	Description
Local Relay	Toggle switch for enabling or disabling the Local Relay function.
Name	Name of Local Relay
Type	Configure the type of built-in relay. Open Door: If configured, detailed parameters need to be configured. Chime Bell: If configured, the external bell will ring when the device receives an incoming call
Delay	Configure the time (second) after the built-in relay receives the command before triggering the action

Trigger	Configure the duration (second) of IP Relay's execution
Tigger Time	Sets the duration for which the local relay remains activated after being triggered.

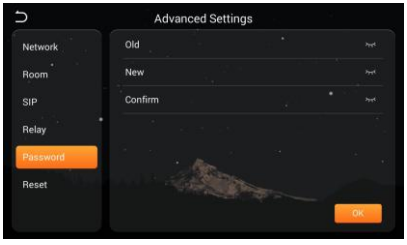
15.2. Relay > Door Relay

Unlock button during monitor communicate with door station



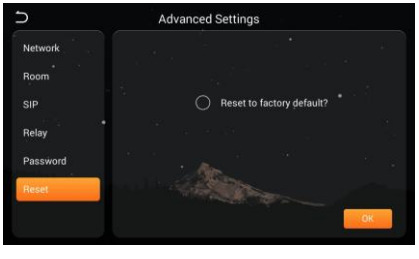
Option	Description
Unlock Button 1-3:	Enable or disable relays for unlock buttons;
Name:	Customize name for unlock button;
Type-Local Relay	Device will trigger the local relay.
Type-DTMF:	Device will send DTMF (Dual-tone multi-frequency) signal when unlock button pressed.
Type-HTTP:	Device will post the HTTP URL for control relay via HTTP
Type-Action	Device will execute the action configured for the corresponding Action. On the Relay page under Advanced in Web Settings, enter the URL corresponding to the relay and execute the URL to perform the associated action.
Value:	DTMF valid value: String within 4 characters (0-9/ */#); HTTP value: HTTP URL for control relay

16. More > Password



Option	Description
Old Password:	Current administrator password of the Device (Default 123456);
New Password:	New administrator password of the Device;
Confirm Password:	Confirm administrator password of the Device;

17. More > Reset

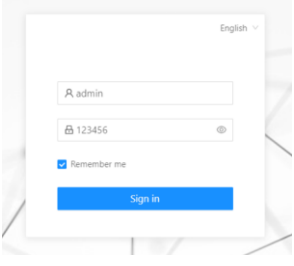


Option	Description
Reset:	Reset to factory default;

WEB SETTING

Connect Indoor Monitor and PC to a network switch in the same LAN. You can enter the IP address of Indoor Monitor in the web browser search bar and log in with the default account (admin) and password (123456). This is where you can configure the device.

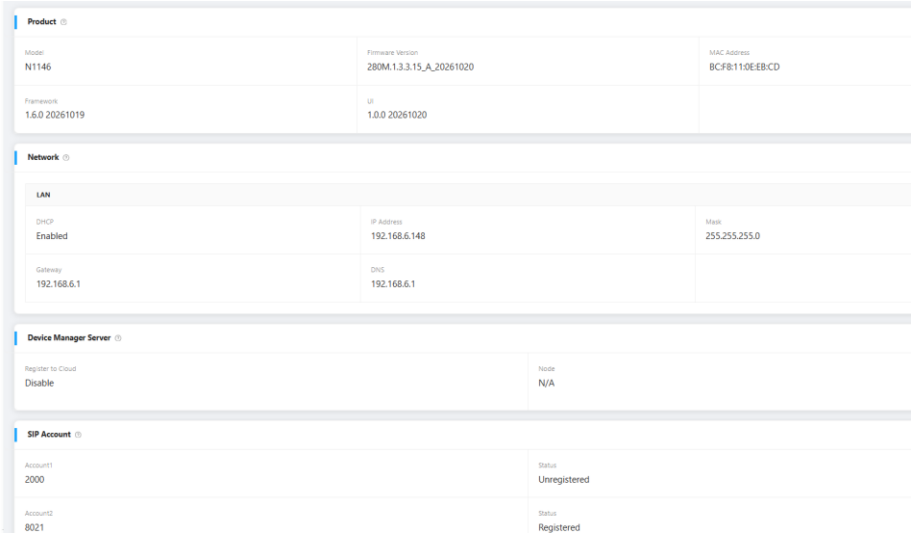
To get the IP address, you can search by DNAKE Remote Upgrade Tool installed in the same LAN with the devices.



1. General

1.1. General > Information

When you first log in to the web interface, you can find basic information displayed in this dashboard.

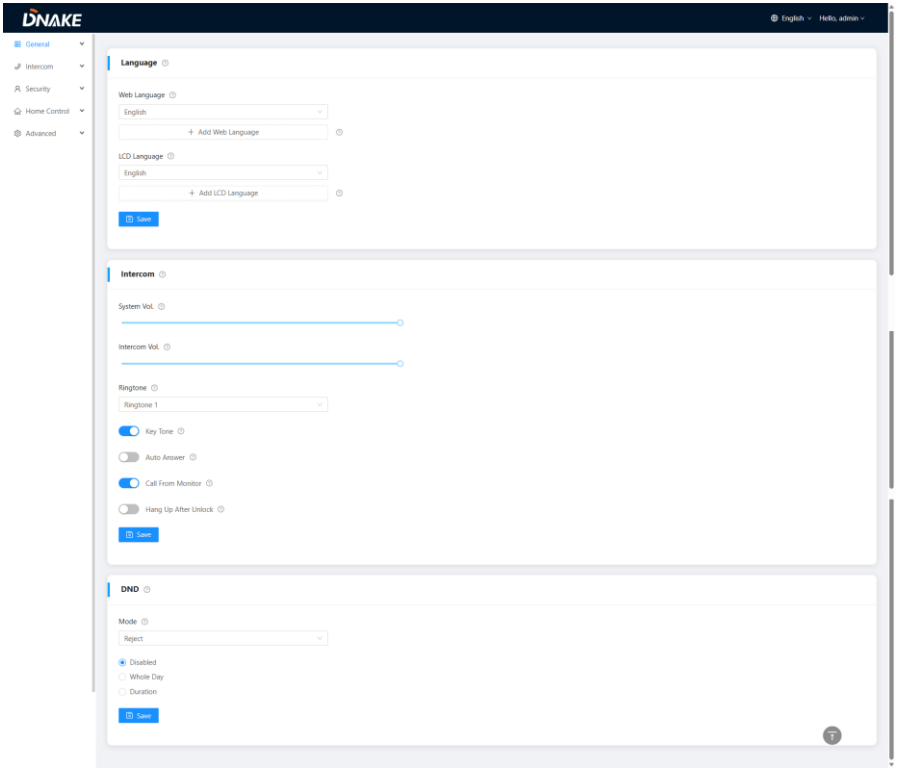


Category	Parameter	Description
Product	Model:	Model of the device;
	Firmware Version:	Firmware version of the device;
	MAC Address:	MAC address of the device;
	Framework:	Framework of the device;
	UI:	UI of the device;
	MCU:	MCU of the device;
Network	DHCP:	Status of DHCP;
	IP Address:	Current IP address of the device;
	Mask:	Subnet mask of the device;
	Gateway:	Gateway of the device;
	DNS:	Domain Name Server of the device;
	Wi-Fi DHCP:	Status of Wi-Fi DHCP;
	Wi-Fi IP Address:	Current Wi-Fi IP address of the device;
	Wi-Fi Mask:	Subnet Wi-Fi mask of the device;
	Wi-Fi Gateway:	Gateway of the Wi-Fi;
	Wi-Fi DNS:	Domain Name Server of the Wi-Fi;

Device Manager Server	Register To	Displays the selected cloud service type and its current status.
	Node	Node information of the management server to which the device is connected
SIP Account	Account:	SIP account of the device;
	Status:	Status of SIP registration of the device;

1.2. General > Basic

Some basic settings of the device can be configured in this column.

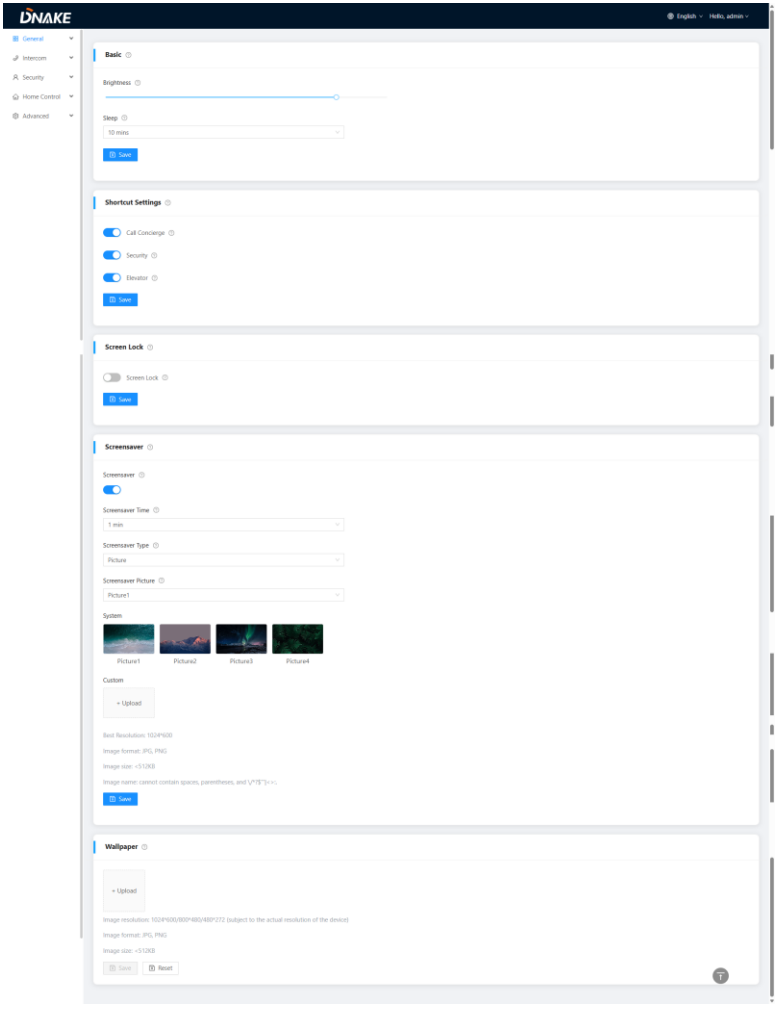


Category	Parameter	Description
Basic	Web Language:	Configure the language displayed on the web interface.
	LCD Language	Configure the language displayed on the device interface.
	Resolution:	4 resolutions supported
Intercom	System Vol:	Volume of System can be set from 1 to 6. Volume 6 is the maximum volume (Key tone);
	Intercom Vol:	Volume of Intercom can be set from 1 to 6. Volume 6 is the maximum volume (Call volume);
	Ringtone:	The ringing sound (Ringtone 01-04);
	Key Tone:	The key tone (Enable or disable);
	Auto Answer:	Pick up the phone automatically when receiving a call;
	Call From Monitor:	When enabled, device is allowed to receive calls from other indoor monitor
	Hang Up After Unlock:	Automatically ends the call after unlocking.
	Video Message	When the message function is enabled, if a door station call to the indoor monitor remains unanswered for 30 seconds, the indoor monitor automatically answers and displays the call screen.
DND	Mode	Select the DND mode Reject Mode: The device will reject calls and display a missed call record within the configured time Mute Mode: The device can receive calls but does not ring within the configured time.

	Whole Day	When DND mode is enabled, the device rejects incoming calls or silences the ringtone, depending on the selected mode. DND remains active for 24 hours.
	Duration	When DND mode is enabled, the device rejects incoming calls or silences the ringtone, depending on the selected DND mode. The mode remains active from Start Time to End Time.

1.3. General > Display

Some default settings for the GUI interface display of monitor.

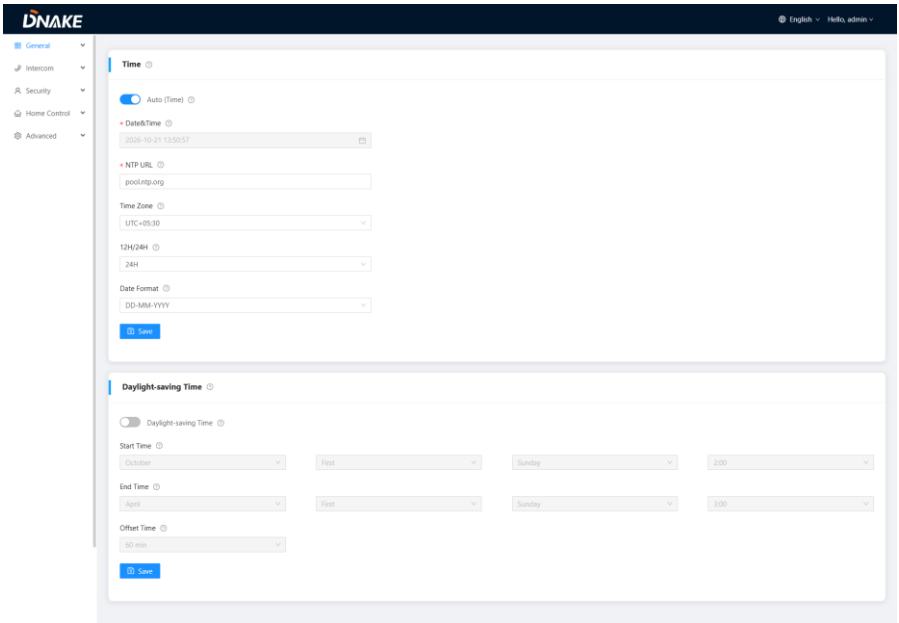


Category	Parameter	Description
Basic	Brightness:	The brightness of the screen;
	Sleep:	Screen off timeout (15s, 30s, 1min, 2mins, 5mins, 10mins, 30mins);

Shortcut Settings	Call Concierge:	Enable to display Concierge icon in homepage;
	Security:	Enable to display Security icon in homepage;
	Elevator:	Enable to display Elevator icon in homepage;
Screen Lock	Screen Lock	The screen will be locked after screen off timeout (Unlock password is security password. The default password is 1234);
Screensaver	Screensaver	Enable or disable the Screen Saver function. When enabled, you can configure the screen saver activation time and select the screen saver image.
	Screensaver Time	Configure the time to activate the screen saver.
	Screensaver Type	This function allows you to select between Image and Clock screen saver types.
	Screensaver Picture	When picture is selected as the screen saver mode, configure the images displayed in the screen saver. The available options are System Screen Saver and Custom Screen Saver.
Wallpaper	Wallpaper	Configure the wallpaper in the device LCD

1.4. General > Time

Time of the device can be configured. Daylight Saving Time is also supported.

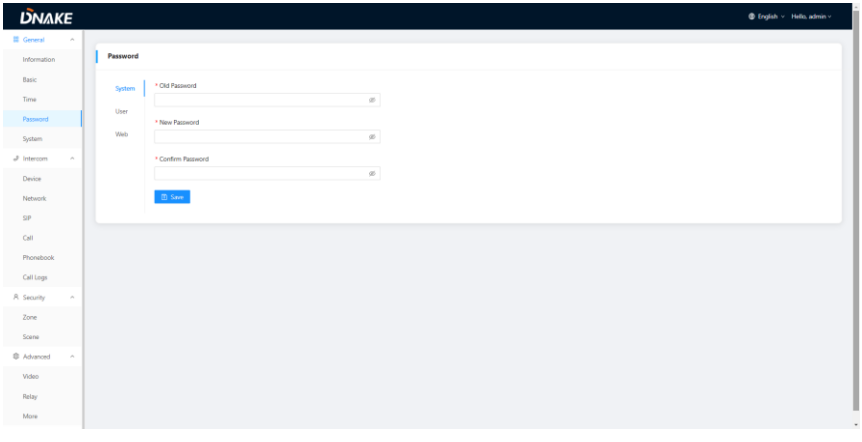


Category	Parameter	Description
Time	Auto (Time):	Enable to synchronize computer time;
	Date & Time:	Date and time can be set manually;
	NTP URL:	Network Time Protocol (NTP) is a protocol used to synchronize computer time;
	Time Zone:	A region that observes a uniform standard time;
	12H/24H:	Select 12H or 24H format to display on the device;
	Date Format:	3 time formats supported (YYYY-MM-DD, DD-MM-YYYY, MM-DD-YYYY);
Daylight-Saving Time	Daylight-saving Time:	Enable to set DST;

	Start Time:	The beginning of DST;
	End Time:	The ending of DST;
	Offset Time:	The default value is 60 minutes;

1.5. General > Password

The System password is for the administrator to log in settings on the device while the Web password is for the administrator to log in settings on the web. The default password for both of them is 123456. User for Indoor Monitor is the security password whose default password is 1234.

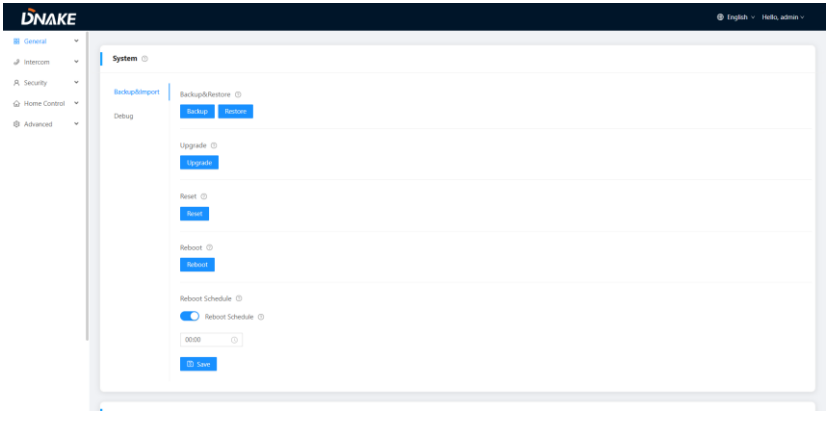


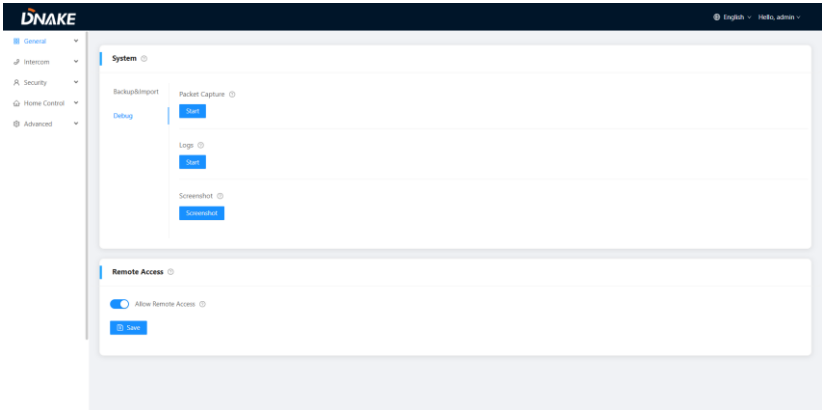
Category	Parameter	Description
System	System Old Password:	Current administrator password of the Device (Default 123456);
	System New Password:	New administrator password of the Device;
	System Confirm Password:	Confirm administrator password of the Device;
User	User Old Password:	Current security password of the Device (Default 1234);

	User New Password:	New security password of the Device;
	User Confirm Password:	Confirm security password of the Device;
Web	Web Old Password:	Current administrator password of the web (Default 123456);
	Web New Password:	New administrator password of the web;
	Web Confirm Password:	Confirm administrator password of the web;

1.6. General > System

The system column is designed for data backup and restore, firmware upgrade, factory default, device reboot, packet capture, logs capture, and obtaining UI screenshots.





Category	Parameter	Description
Backup & Import	Backup & Restore:	Backup all setting and restore settings;
	Upgrade:	Upgrade equipment;
	Reset:	Reset to factory settings;
	Reboot:	Reboot the device;
	Reboot Schedule	Enable or disable device schedule reboot function;
	Time	Set the scheduled time for the device to reboot periodically.;
Debug	Packet Capture:	Capturing packets can help developers reproduce positioning problems;
	Logs:	Device logs;
	Screenshot:	Screenshot device interface;
Remote Access	Allow Remote Access	Enable or disable remote access device web page function.

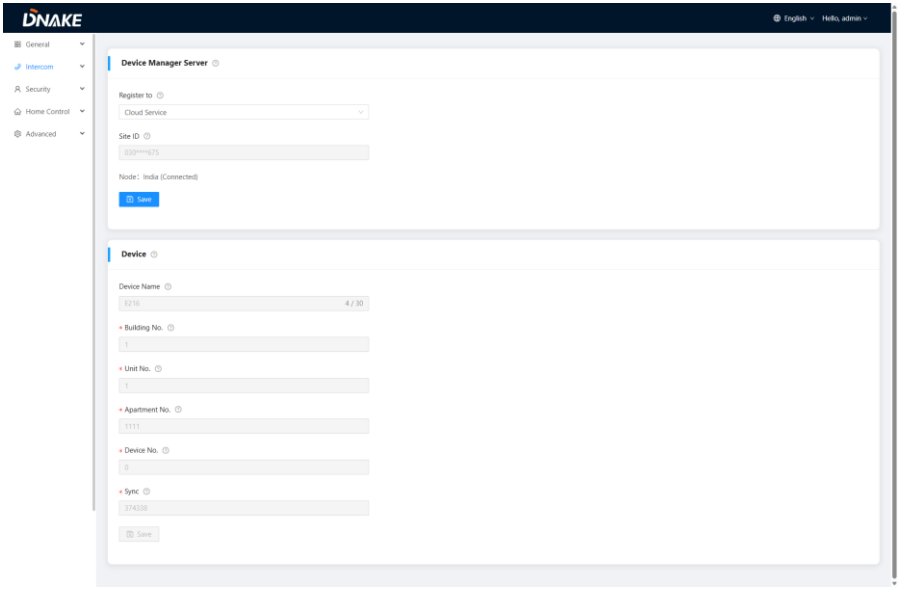
2. Intercom

2.1. Intercom > Device

Numbers here are basic settings for making a call to Indoor Monitor. For Door Station, the building and unit number should be the same as those in Indoor Monitor.

For Villa Station with one button, the building, unit, and room number should be the same as those in Indoor Monitor.

When users want to use more than 1 Indoor Monitors, keep Building, Unit, Apartment No., Sync the same as other Indoor Monitors, and Device number should be different. The Device number can be from 0 to 9. But you must have one Indoor Monitor's Device number is 0 and keep it online because 0 here stands for the main one.

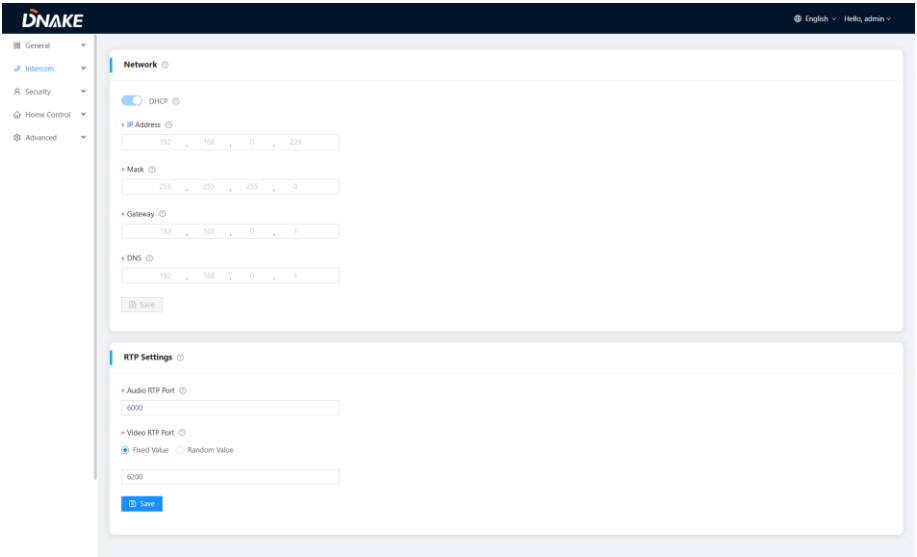


Category	Parameter	Description

Device Manager Server	Reg to	Configure CMS or Cloud Platform device management server the device registers with
	Site ID / CMS IP	When Cloud Platform Service is selected, enter the corresponding Site ID in this field. When CMS service is selected, enter the corresponding CMS IP in this field.
	Node	When the Cloud Platform Service is enabled, the Node field displays the cloud platform node to which the device is currently connected, along with its connection status.
Device	Device Name:	Name of the Device
	Device Mode:	Mode for apt. and wall (Unit and wall);
	Building No:	Number of the building;
	Unit No:	Number of the unit;
	Apartment No:	Number of the apartment
	Device No:	Number of the device;
	Sync	The synchronization number of the device. The synchronization number of devices in the same apartment needs to be consistent.

2.2. Intercom > Network

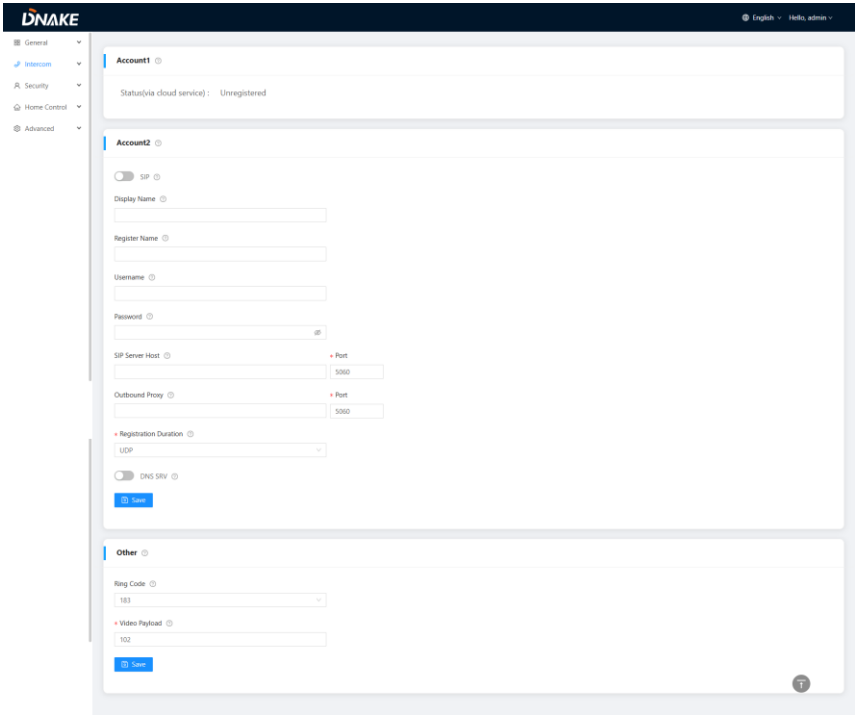
The device network can be set to either DHCP or a static IP address.



Category	Parameter	Description
Network	DHCP:	Enable DHCP (Dynamic Host Configuration Protocol) to dynamically distribute network configuration parameters;
	IP Address:	Configure Static IP address to manually distribute network configuration parameters;
	Mask:	Subnet mask;
	Gateway:	A component that is part of two networks, which use different protocols;
	DNS:	Domain Name Server of the device;
RTP Settings	Audio RTP Port	Configure the audio RTP port of device
	Video RTP Port	Configure the video RTP port of device

2.3. Intercom > SIP

The SIP column concerns SIP registration, Display Name, Register Name, Username, Password, SIP Server Host, Outbound Proxy, Transport Protocol, Video Payload, etc.

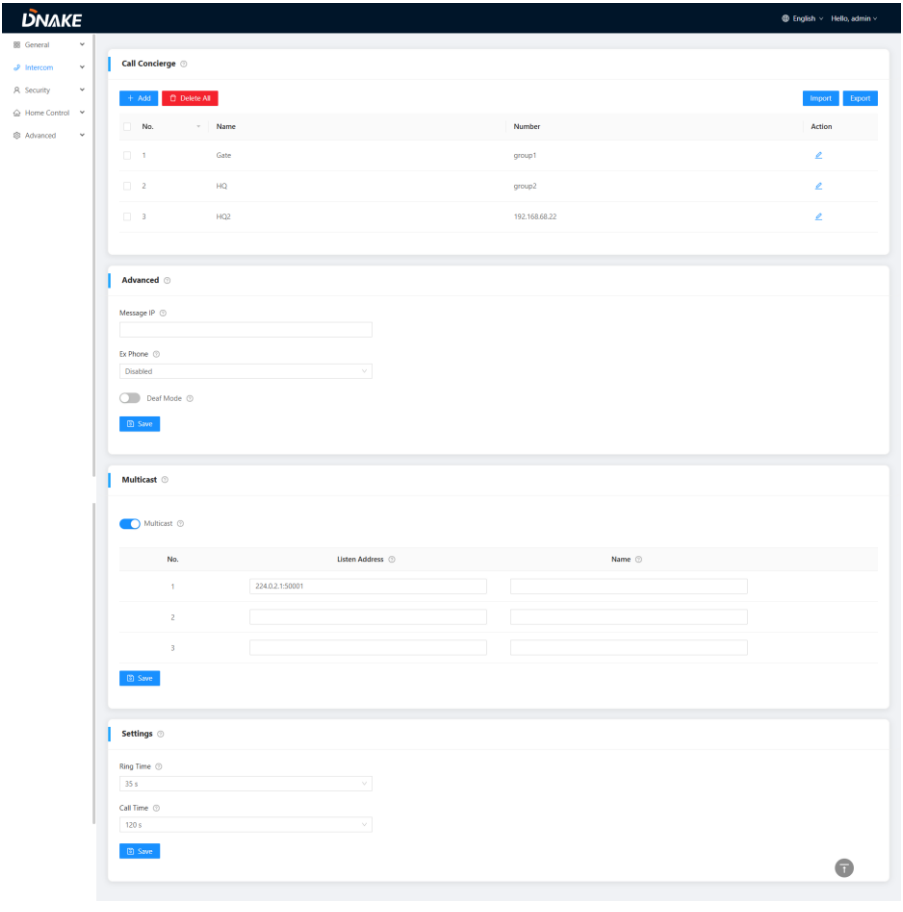


Category	Parameter	Description
SIP	SIP:	Enable to use SIP;
	Display Name:	Display name of SIP;
	Register Name	Configure the register name when the device registers with the SIP server
	Username:	Username of SIP;
	Password:	Password of SIP;

	SIP Server Host:	Configure the server address and port number when the device registers with the SIP server.;
	Outbound Proxy:	Configure the outbound address and port number when the device registers with the SIP server.
	Registration Duration:	Configure the registration duration when the device registers with the SIP server.
	Transport Protocol:	Configure the message transmission protocol when the device registers with the SIP server.
	DNS SRV	Configure whether to enable the DNS SRV function when the device registers with the SIP server.
Other	Ring Code	Configure the ring code of the device
	Video Payload	Configure the video payload for device calls. This configuration is effective for both SIP communication and local calls.

2.4. Intercom > Call

Ring group is for setting up SIP calls or call mode. Concierge button, extension of other Indoor Monitors, the length of the call, and ring time can also be configured here.

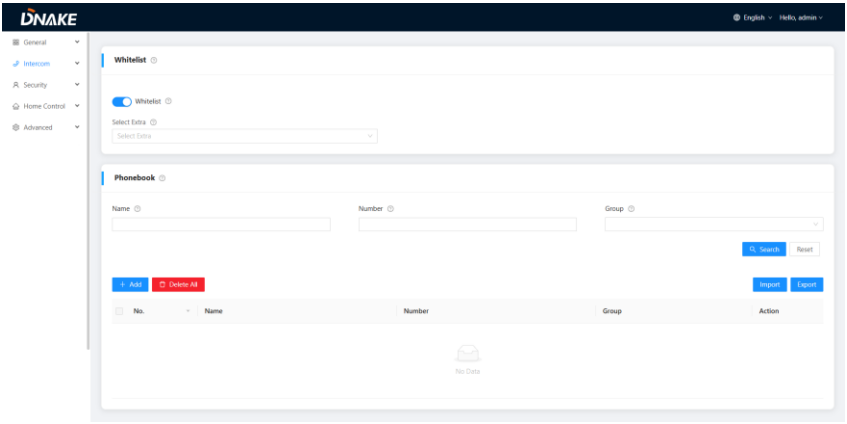


Category	Parameter	Description
Call Concierge:	Call Concierge URL:	Fill in the call destination for concierge button or the single button on the device;
	IP call:	Fill in sip:IP address, e.g., sip:192.168.68.90;

	SIP call:	Fill in sip:sip account@SIP server address:port, e.g., sip:101@192.168.68.90:5060;
Advanced	Message IP:	Fill in the message receiver's (Indoor Monitor or Master Station) IP address. The message edited on Indoor Monitor will send to this destination;
	Ex Phone:	Extend to more Indoor Monitors by filling in sip:IP address (6 Max) such as sip:192.168.68.90 (6 Max);
	Deaf Mode	The lamp connecting to Indoor Monitor will be turned on when receiving a call;
Multicast	Multicast	Configure whether the device is enabled to receive multicast by master station.
	Listen Address	Configure the device to receive the listen address of the multicast from the master station.
	Name:	Configure the name of the listening address.
Settings	Ring Time:	The ring will be ended automatically after a period of time (10s, 20s, 35s, 45s, 60s, 90s, 120s)
	Call Time:	The call will be ended automatically after a period of time (120s, 300s, 600s, 1200s, 1800s);

2.5. Intercom > Phonebook

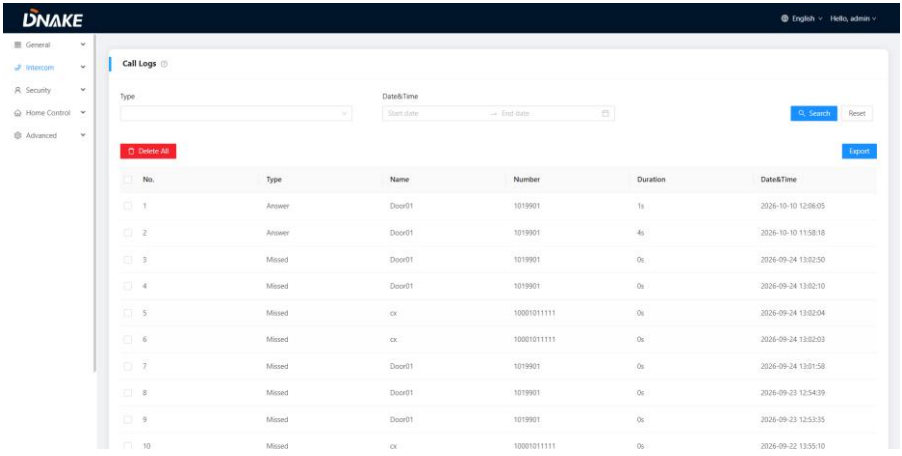
All contacts on Indoor Monitor can be edited here.



Category	Parameter	Description
Call Concierge:	Whitelist	Enable or disable whitelist function, calls from whitelisted devices ring and can be answered normally. Calls from non-whitelisted devices are rejected without ringing or generating missed call records.
	Select Extra	Allows additional device types to be included in the whitelist. Select Door Station, Indoor Monitor, or Master Station to allow calls from these devices in addition to those listed in the whitelist.
Phonebook	Search:	Fill in text inputs to search;
	Reset:	Click reset to clear words in text inputs;
	Delete All:	Delete all data on the chart;
	Import:	Import all data to the chart;
	Export:	Export all data on the chart;

2.6. Intercom > Call Logs

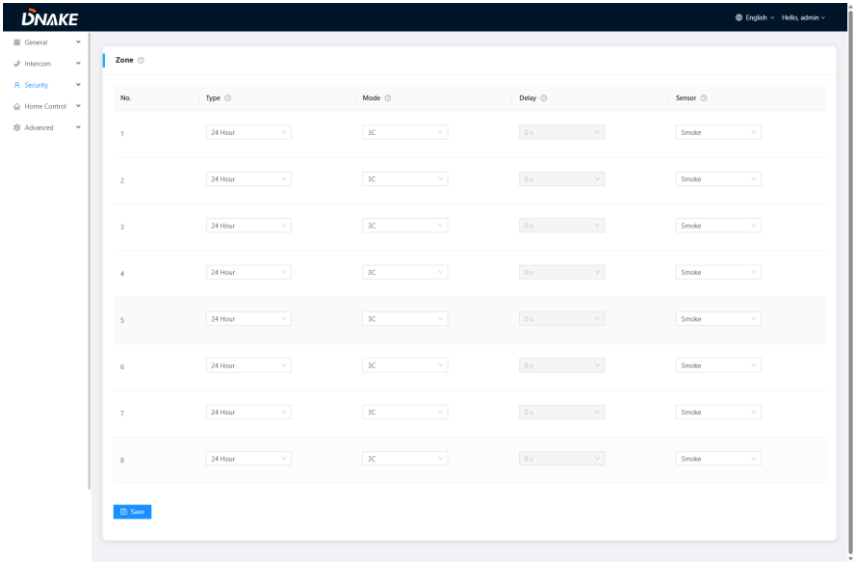
On this page, you can view all Call Logs stored on the device. You can filter the records by call type and time, or delete all call logs with a single tap.



3. Security

3.1. Security > Zone

Zone column is the setup page for security sensors.

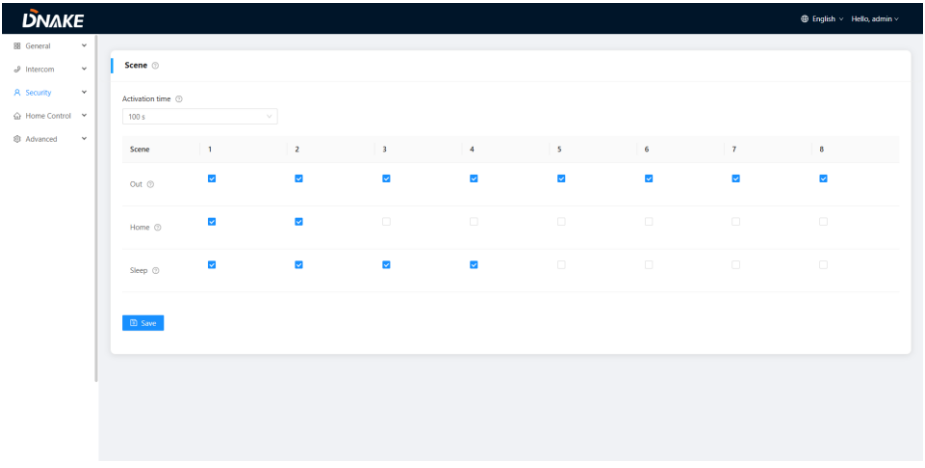


Category	Parameter	Description
Zone	Type	Normal: When users enable an alarm scene on the On/Off page, Normal type alarm zone will be activated after activation time. ○ 100 seconds is the default activation time, it means the alarm will be activated after 100 seconds. ○ After 100s, once sensor is triggered, Indoor Monitor will send this alarm to Master Station. ○ But sometimes users don't want to send the alarm to Master Station (maybe alarm by mistake), users can set the Delay time, so they can cancel the alarm in the Indoor Monitor during this Delay time (PIR, Door, Window);

		Emergency: once Panic button is triggered, Indoor Monitor will not initiate an alarm and only Master Station will receive alarms secretly; 24 hours standby even if the security is off (Panic, Pull Cord);
		24 Hour: Indoor Monitor will initiate an alarm and Master Station will also receive alarms. 24 hours standby even if the security is off (Smoke, Gas, Flood);
	Mode	3C: for the sensor with 2.2KΩ resistance; Regardless of the connection to NC or NO, the alarm can be triggered normally;
		NO: normally open; NC: normally closed;
		BELL: in BELL mode, Master Station will not receive any alarm. Indoor Monitor is regarded as a doorbell receiver;
	Delay:	Once sensor is triggered, Indoor Monitor will send this alarm to Master Station, but users can terminate the alarm sending to Master Station during the delayed time set here. Delay setting is only effective for Normal type (0s, 5s, 15s, 20s, 25s, 40s, 60s);
	Sensor:	Sensor types (Smoke, Gas, PIR, Door, Window, Panic, Flood, Pull Cord);

3.2. Security > Scene

Scene column is for security sensors' trigger conditions.

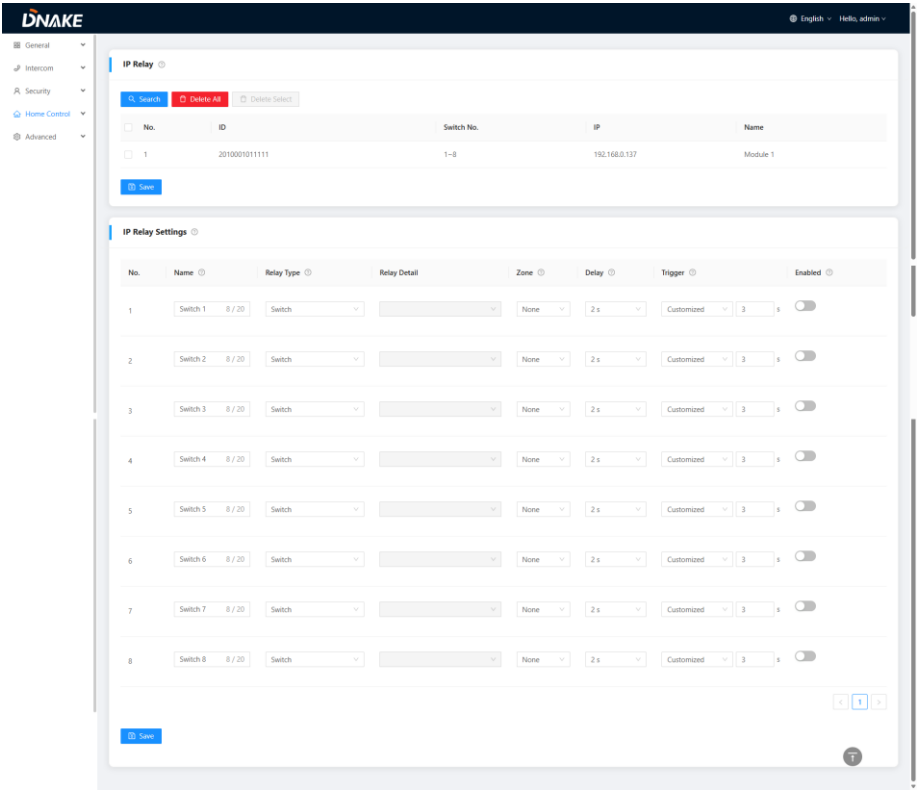


Category	Parameter	Description
Scene	Activation Time:	Only after activation time, will scene be activated. Activation time is only effective for Normal type (NONE, 30s, 40s, 60s, 100s, and 300s);
	Mode:	Tick to link sensors to Out, Home, or Sleep scene;

4. Home Control

4.1. Home Control > IP Relay

Search for and configure RIM08 module settings on this page.

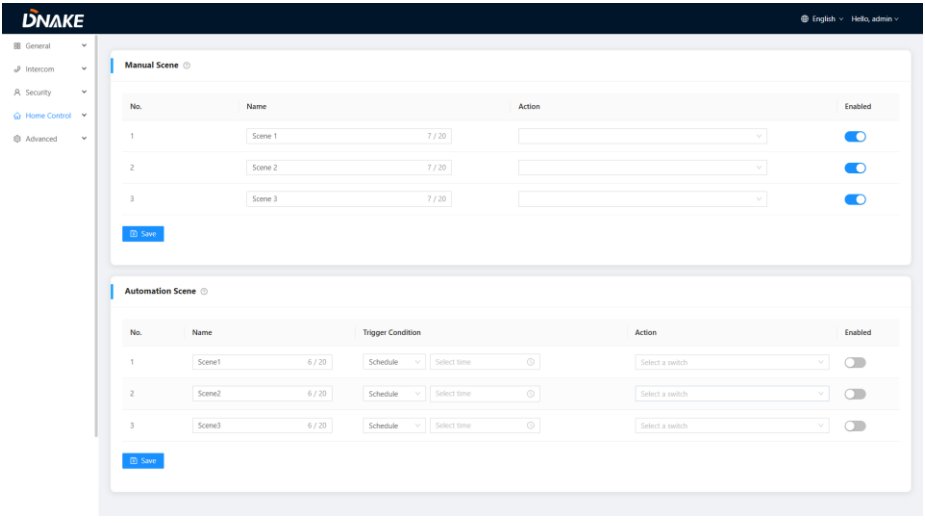


Category	Parameter	Description
IP Relay	Search	Click Search to find RIM08 devices on the same network with matching building, unit, and apartment settings.
	Delete All:	Delete all added IP Relay devices.
IP Relay Settings	Name	Displays the switch name. The default name is Switch No.
	Relay Type	Select the type of device connected to the relay. Each type is represented by a different icon on the indoor monitor and in the app.

	Relay Detail	When Curtain is selected as the Relay Type, the Relay Detail options Open and Close are represented by different icons on the indoor monitor and in the app. For other relay types, the Relay Detail field is disabled.
	Zone	Select the zone that triggers the relay when an alarm occurs. The default is None.
	Delay	Configure the delay before sending a command to the relay. The default delay is 2 s.
	Trigger	Sets the relay activation duration. Options are Customized and Continue. The default is Customized, which allows the relay activation duration to be configured manually.
	Enabled	Disabled by default. When enabled, the relay is displayed on the indoor monitor and in the app; when disabled, it is hidden.

4.2. Home Control > Scene

Configure scenes to control external relays.



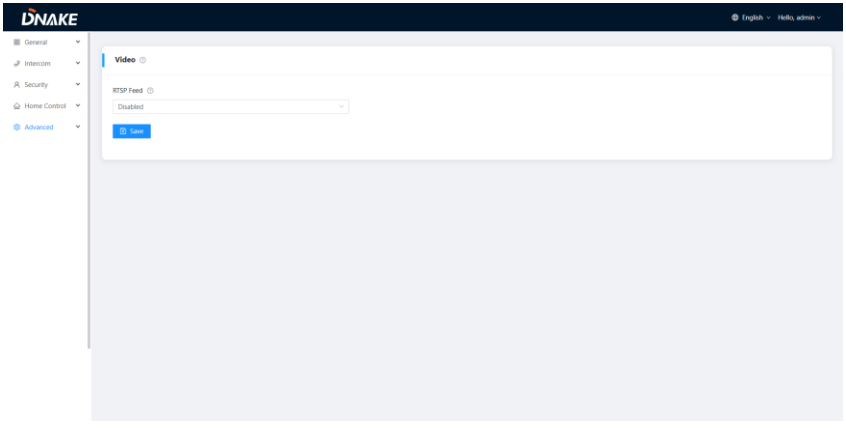
Category	Parameter	Description
Manual Scene	Name	Enter the name of the manual scene. The default names are Scene1–3.
	Action	Select the relays to be activated by the scene. Multiple relays can be selected. Available options are the switches listed under IP Relay for added and enabled IP Relay devices. Switches associated with offline, deleted, or disabled 8R modules are not displayed. Switch names are updated when edited.
	Enable	Disabled by default. Disabled scenes are hidden from the indoor monitor and app. When enabled, scenes are displayed in the Home Control interface and app, ordered by Scene1–3 in ascending order,

		with subsequent scenes shifted up to fill any gaps
Automation Scene	Name	Enter the name of the manual scene. The default names are Scene1–3.
	Trigger Condition	Select Timer or Device as the trigger type. The default is Timer.
		Timer is selected, configure the trigger time using the 24-hour format, with minute-level precision. When the configured time is reached, the relay action selected under Action is triggered.
		Device is selected, configure a relay's on/off state as the trigger condition.
	Action	Select the relay to be activated by the linkage rule. Only one relay can be selected, and its state can be set to On or Off. Available options are switches listed under IP Relay for added and enabled IP Relay devices. Switches associated with offline, deleted, or disabled 8R modules are not displayed. Switch names are updated when edited.
	Enabled	Disabled by default. Disabled scenes are hidden from the indoor monitor and app. When enabled, scenes are displayed in the Home Control interface and app, sorted by Scene1–3 in ascending order, with subsequent scenes shifted up to fill any gaps.

5. Advanced

5.1. Advanced > Video

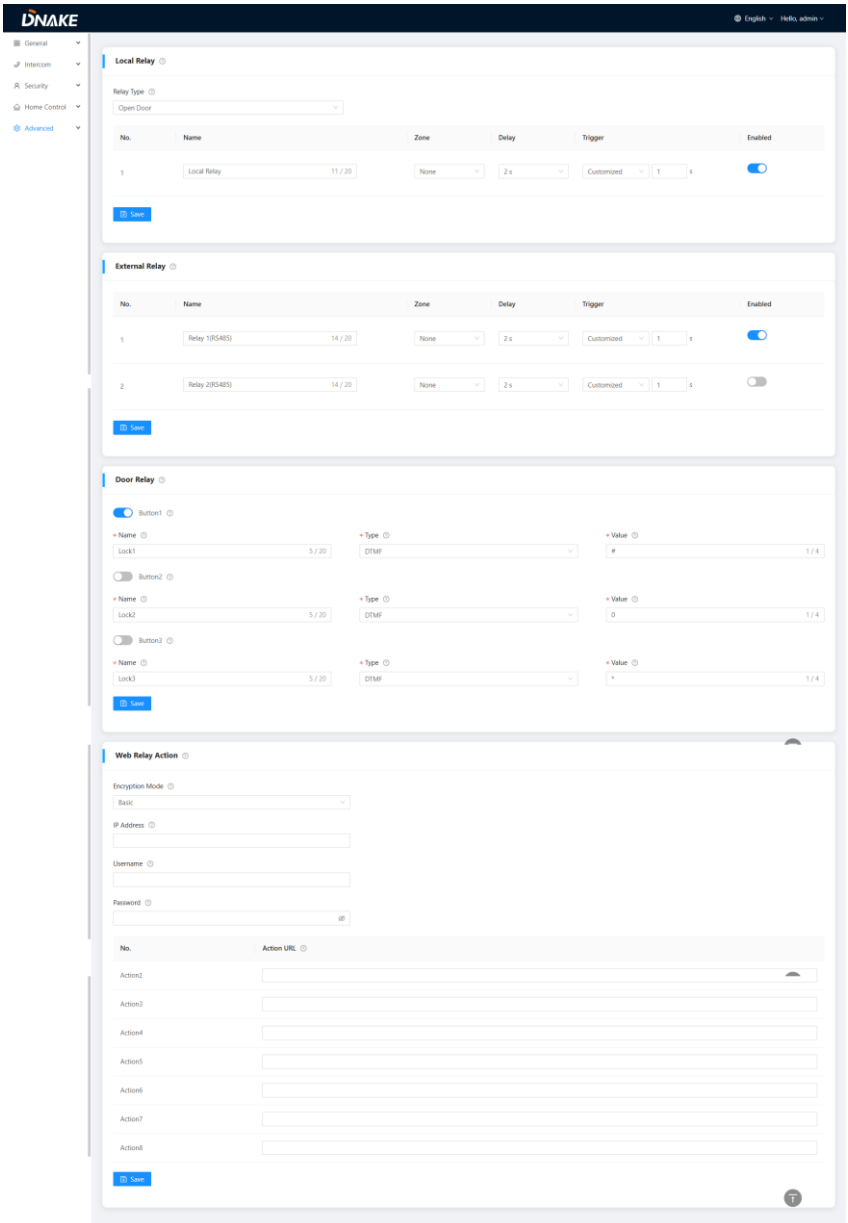
Video here is for users to show their IPC image for the one they are talking with. For example, users receive calls from Master Station or Indoor Monitor. They can see the IPC image because users filled in IPC's RTSP Feed here.



Category	Parameter	Description
Video	RTSP Feed:	Fill in the IP camera stream URL here.

5.2. Advanced > Relay

Relay column is for config IP Relay, Local Relay and Door Relay. When you use Dnake RIM08 Relay module, can manage the relay module in web page.


DNAKE
English
Hello, admin
General
Intercom
Security
Home Control
Advanced
Local Relay
Relay Type
Open Door
No.
Name
Zone
Delay
Trigger
Enabled
1
Local Relay
11 / 20
None
2 s
Customized
1
s
Save
External Relay
No.
Name
Zone
Delay
Trigger
Enabled
1
Relay 1(RS485)
14 / 20
None
2 s
Customized
1
s
2
Relay 2(RS485)
14 / 20
None
2 s
Customized
1
s
Save
Door Relay
Button1
* Name
Lock1
5 / 20
* Type
DTMF
* Value
#
1 / 4
Button2
* Name
Lock2
5 / 20
* Type
DTMF
* Value
0
1 / 4
Button3
* Name
Lock3
5 / 20
* Type
DTMF
* Value
*
1 / 4
Save
Web Relay Action
Encryption Mode
Basic
IP Address
Username
Password
No.
Action URL
Action1
Action3
Action4
Action5
Action6
Action7
Action8
Save

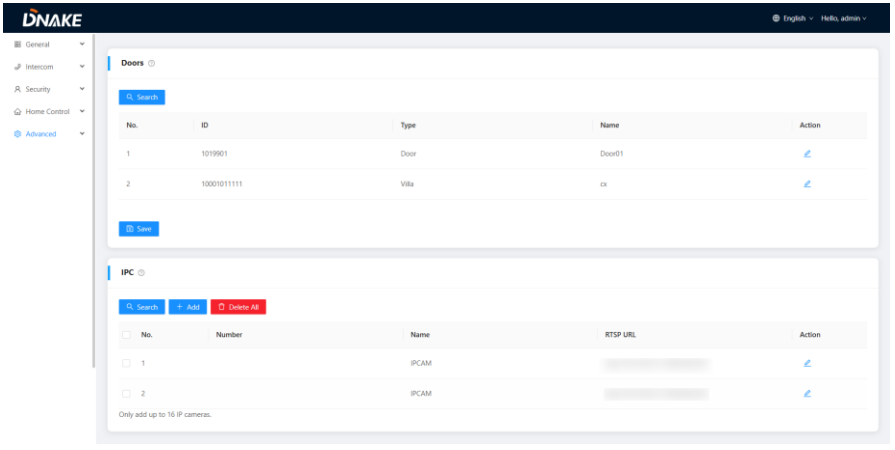
Category	Parameter	Description
Local Relay	Local Relay Type:	Type of local relay (Open Door is for lock/Chime Bell is for doorbell);
	Local Relay-Zone:	Link with Security-Zone, when sensor triggered relay status will correspond change;
	Local Relay-Delay:	The length of unlock delay time (0-9s);
	Local Relay-Trigger:	Trigger time of local relay (Customized time 0-9999s, or Continue);
External Relay	External Relay-Zone:	Link with Security-Zone, when sensor triggered relay status will correspond change;
	External Relay-Delay:	Delay time of external relay (0-9s)
	External Relay-Trigger:	Trigger time of external relay (Customized time 0-9999s, or Continue);
	External Relay-Enabled:	Enable to allow this Relay display in homepage and can be control by click the button.
Door Relay	Unlock Button 1-3:	Enable or disable relays for unlock buttons;
	Name:	Customize name for unlock button;
	Type:	Type 1-3: 3 types of unlock way are optional (Local Relay/DTMF/HTTP) HTTP——the format is http://192.168.3.119/cgi-bin/webapi.cgi?api=unlock&index=2&username=admin&password=E10ADC3949BA59ABBE56E057F20F883E; Note: • "192.168.3.119" is the IP address of Door Station; • The number "2" after "index=" is the number for relay. (Relay 1 is 0; relay 2 is 1; relay 3 is 2); • "admin" here should be changed to your admin account; • "Password" is Password of admin;

		• "E10ADC3949BA59ABBE56E057F20F883E" here is MD5 (Message-Digest Algorithm) encrypted. Users need to use account password to encrypt and change it. DTMF——Dual-tone multi-frequency signaling, Relay1: #, Relay2:0, relay3: *;
	Value	The user to send DTMF value when clicking the unlock button in the device call page
Web Relay	Auth Method	Specifies the Auth method used for action commands, Basic and Digest are available.
		Basic Auth: requires a username and password and sends commands in plaintext.
		Digest Auth: Commands are sent using MD5 encryption. This auth method does not affect the values entered in the web interface; the original values remain displayed
	IP Address	Enter the IP address of the network relay.
	Username	Enter the username used to authenticate with the Web Relay.
	Password	Enter the password used to authenticate with the Web Relay
	Action No.	Displays Action 1–8. Up to eight network relay actions can be configured.
	Action URL	Enter the specific Web Relay command URL provided by the Web Relay manufacturer to trigger different actions on the Web Relay.

5.3. Advanced > Cameras

If you are using a DNAKE door station that supports monitoring, you can click the Search button to use the door station as a camera.

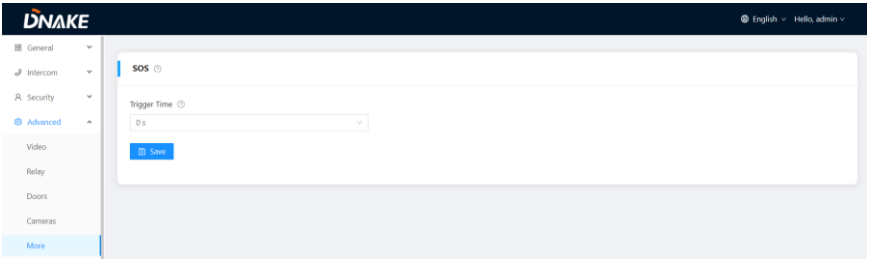
You also can enter the IP address of Indoor Monitor in the web browser search bar and log in with the default account (user) and password (1234). This is where you can add IPC.



Category	Parameter	Description
Doors	ID	The device ID of door station
	Type	The type of door station
	Name	The name of door station
	Action	Modify the door station name.
IPC	Name:	Customize name of IPC;
	IPC URL:	Fill in IPC's RTSP stream;

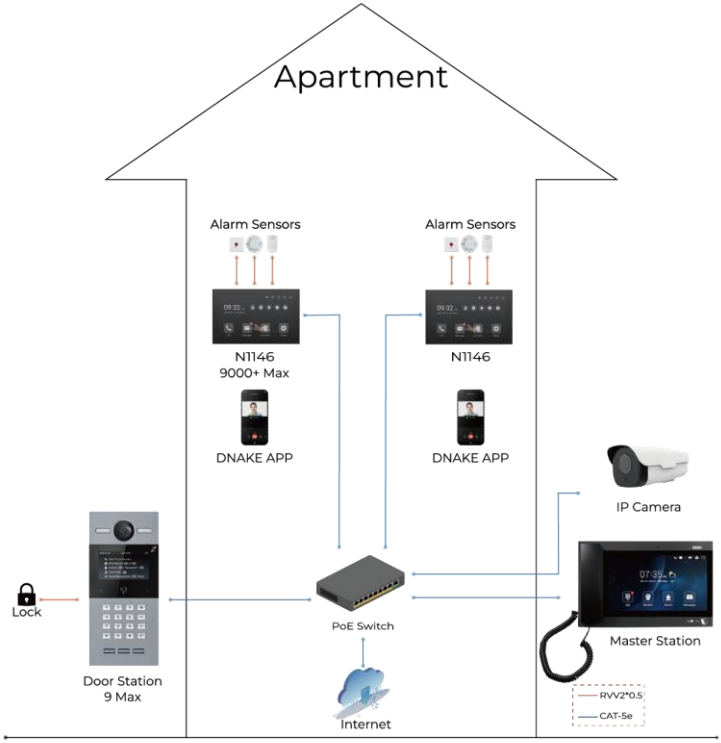
5.4. Advanced > More

More column is for SOS.

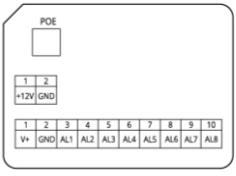


Category	Parameter	Description
SOS	Trigger Time	Trigger Time can be set to 0s and 3s. If the time is set to 3s, users need to press the SOS icon for 3s to send out SOS in case of a wrong operation alarm.;

SYSTEM DIAGRAM



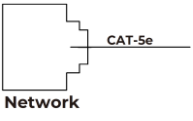
DEVICE WIRING



1. Network (PoE Non-Isolated)

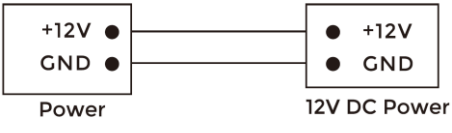
Connect with door station, indoor monitor or other network equipment by network switch.

When indoor monitor has PoE function, the interface can supply power by connecting with PoE network switch.



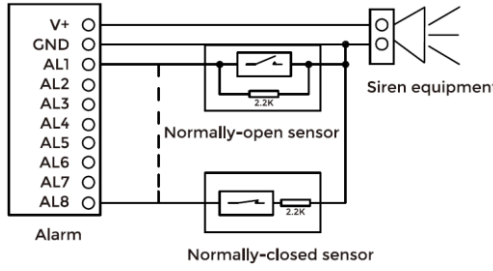
2. Power

The power interface of Indoor Monitor connects to 12V DC power.



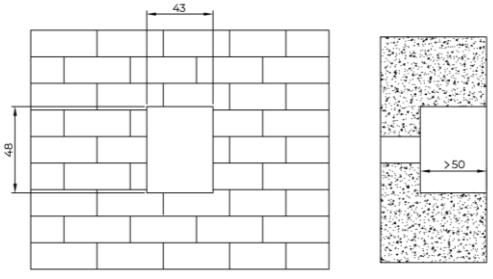
3. Siren/Alarm

Interface of alarm zones connects with normally-open or normally-closed switch. When the alarm zone is triggered, it will output 12V/100mA power.

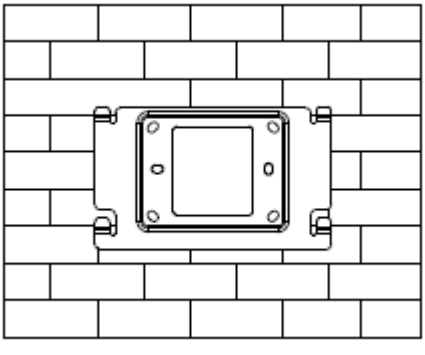

V+
GND
AL1
AL2
AL3
AL4
AL5
AL6
AL7
AL8
Alarm
2.2K
Siren equipment
Normally-open sensor
2.2K
Normally-closed sensor

INSTALLATION

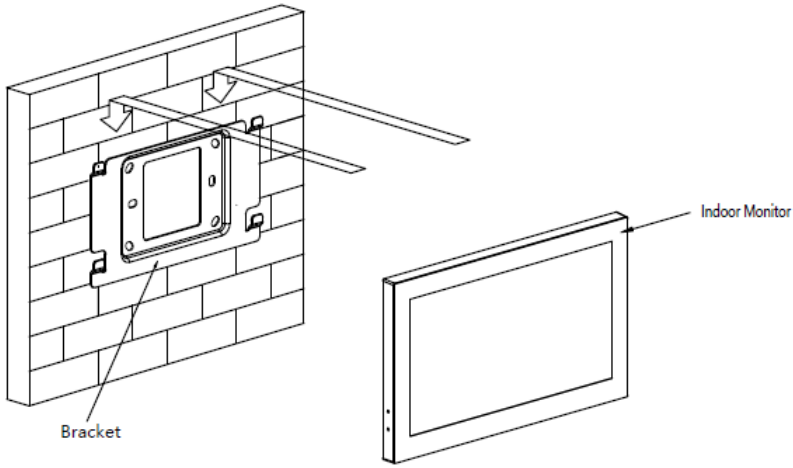
Cut-out dimension for surface mounting box (Unit: mm)



Align the square opening in the center of the mounting bracket with the hole in the wall. Drill screw holes according to the bracket's mounting holes, then secure the bracket with screws.

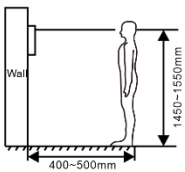


Align the four slots on the back of the extension monitor with the four hooks on the mounting bracket, then slide the monitor downward into place.



Product Size: 177.4x111.4x14mm
Max. Product Size: 177.4x111.4x22.5mm

Tips:



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

The camera at this height can capture human face

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 flopover 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.

V1.0

EASY & SMART
INTERCOM SOLUTIONS

DNAKE