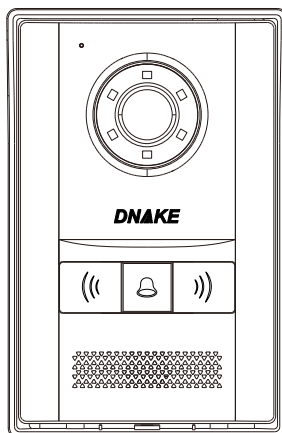


DNAKE

DOOR
STATION

MODEL:
280SD-R2

USER MANUAL



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.

CATALOG

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TECHNICAL PARAMETERS

- ◇Working voltage: DC12V
- ◇Rated power: 3W
- ◇Standby power: 1.5W
- ◇Camera resolution: 1280x720
- ◇Working temperature: $-40\sim+55^{\circ}\text{C}$
- ◇Storage temperature: $-40\sim+70^{\circ}\text{C}$
- ◇Working humidity: 10%-90% (non-condensing)

PACKAGE CONTENTS

Please make sure the package contains the following items :

MODEL: 280SD-R2



Door Station



Screw Fixing Seat



Screw



Screw Wrench

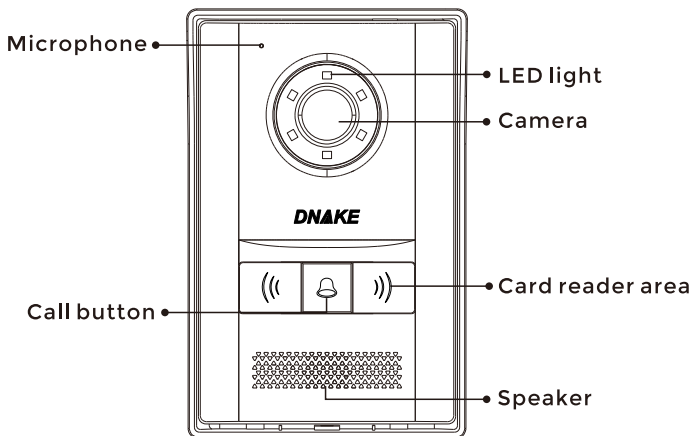


Quick Start Guide

BASIC FUNCTION

- ◇ Call indoor monitor by one button;
- ◇ Support unlocking by IC access control card;
- ◇ IC card can be registered on door station. Registration information of max. 20000 IC cards can be stored;
- ◇ Support unlocking by Exit button and door magnetic detection;
- ◇ Support LED light for night vision;
- ◇ Support PoE power supply.

PICTURES



BASIC OPERATIONS

1. Call indoor monitor

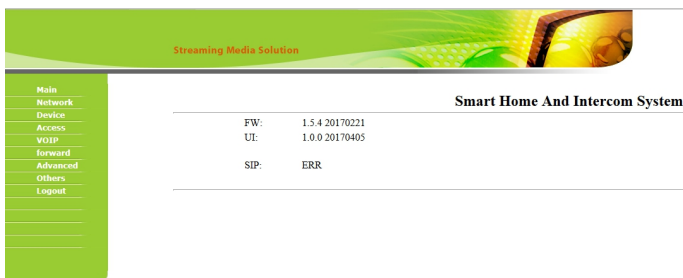
In standby mode, press the call button on door station to call indoor monitor. During the call, press the call button on door station again to end the call. If the call fails or indoor monitor is busy, door station will emit a beep.

2. Unlocking by card

Put the registered IC card on card reader area of the door station. If IC card has been authorized, after unlocking the door by card, the system will issue a voice message that "the door has been opened", otherwise it will emit a beep.

WEB SETTINGS

Connect door station to PC through the switch. Input IP address of door station in the web browser of PC (The IP addresses of PC and door station must be in the same network segment. Default IP address is 192.168.68.90), then input user name and password (default user name is "admin" and the password is "123456") to enter into the following interface:



Smart Home And Intercom System	
FW:	1.5.4 20170221
UI:	1.0.0 20170405
SIP:	ERR

Main page is used for showing firmware version and the status of SIP registration.

1. Network Settings

Network page is used for setting up network of device here.



Network Settings

DHCP: ☐

IP:

Mask:

Gateway:

DNS:

Server IP:

Password:

DHCP: obtain IP address via DHCP;

IP address: IP address should be unique on the same Network.

Subnet mask: the default Mask is 255.255.255.0.

Default gateway: it depends on IP address.

DNS: it depends on Network.

Server IP: it is the same as the IP address of management PC.

Access password: it's used for connecting management PC.

Usually, the communication among master station, indoor monitor and door station will be available on the same LAN; if they are not on the same network, you need to set SIP server to support the communication.

After the setup is completed, click the icon "Submit" to enable the settings.

2.Device Settings

Click "Device" icon on the interface to enter into the following interface:



Device Settings	
BuildNo:	1
UnitNo:	1
RoomNo:	1111
No:	1
Password:	*****
Mode:	☒ Person
Ringing:	☒ 35s
Timeout:	☒ 120s
Language:	☒ English
Volume:	☒ 6
Video:	☒ 1280x720
Bitrate:	☒ 768K
Forward:	☒ One by one
Submit	

Building No. and Unit No. are the ones where door station is located.

The No. can be set from 1 to 9. Device No. is mainly used for distinguishing the door station when it is watched by indoor monitor.

Password refers to the one used in your login to the webpage for door station settings (default password is 123456).

Door station mode: Person (One-button Door Station).

Language selection: only support simplified Chinese and English.

System volume: adjust the system volume with 6 levels for selection.

Video size: 320x240, 640x480 or 1280x720.

Call forwarding: the call can be made one by one or simultaneously.
After the setup is completed, click the icon "Submit" to enable the settings.

3.Access Settings

Click the icon "Access" on the left side to enter the interface as shown below:

Streaming Media Solution

Access Settings

Unlock Timeout: 3s

Unlock Delay: 0s

Elev refer: 12

Admin Card: 9831198

Security ON/OFF: ☐

Unlock Password: 0000

Submit

Unlock Timeout is used for controlling the unlocking time ranging from 1 to 9s.

Unlock Delay refers to the delayed time of opening the door ranging from 0 to 9s.

Elev refer is used for setting the floor of door station, ranging from 01~99. (It is effective when door station is set as unit door station).

Card Registration

The Admin Card is used for registering user card. There are two ways to register the admin card:

1. The user enters card No. of the admin card in the box after "Admin Card" and then click the button "Submit". In this case, the admin card is registered successfully.
2. If the user isn't aware of admin card No., please enter 0 in the box first and click the button "Submit". Then place the admin card close to the card reader area. When the system gives an indication tone, it means that the admin card is registered successfully.

To register the user card, swipe the admin card first. The system emits a beep. Then place the card to be registered near the card reader area within 10 seconds. When the system gives an indication tone, it means that the user card is registered successfully. When registering the user card, the card to be registered should be swiped 10 seconds after the admin card is swiped. Once a user card is registered, the registration time will postpone for 10 seconds. When there is no activity for 10 seconds, the system will exit from registration status automatically. To register a new user card, the user should swipe the admin card again.

4.SIP Settings

Click the icon "VOIP" on the left side to enter into the following interface:

Streaming Media Solution

SIP Settings

Enable: ☒

Proxy:

Realm:

User:

Password:

H.264:

STUN IP:

STUN Port:

Proxy: URL of SIP proxy server in format: sip:ip or sip:domain name.

Realm: realm of the device, usually the same as IP or domain name.

User name: refer to the name of the SIP proxy server, provided by the SIP proxy server administrator.

Password: the password to access the SIP proxy server, provided by the SIP proxy server administrator.

STUN IP and Port refer to the IP and port of public server for NAT traversal of audio and video.

Once this is set up, click the button "Submit" to enable new settings.

5.Call Forwarding

Click the icon "Forward" on the left side of the page to enter the interface as shown below:

The screenshot shows the 'Forward Account Settings' page. On the left is a green sidebar with a menu: Main, Network, Device, Access, VOIP, forward (highlighted), Advanced, Others, and Logout. The main content area has a header 'Streaming Media Solution' and a sub-header 'Forward Account Settings'. Below this are input fields for 'RoomNo:' (with a dropdown arrow) and 'Account:' (with a dropdown arrow). There is a 'Delete:' checkbox. A 'Submit' button is located below these fields. At the bottom, there is a table with columns 'RoomNo' and 'Account', containing three rows of data.

The room number can be bound with the telephone number. When a visitor calls but there is no answer within 25 seconds, the system will automatically forward the call to the phone. Specific steps are as follows:

1. Enter the room number first, then enter the phone number to bind;
2. To delete this account, check the box;
3. Once this is set up, click the button "Submit" to enable new settings.

(Note: This item requires support of extension module or local SIP service provider.)

6. Advanced Settings

Click the icon "Advanced" on the left side of the page to enter the interface as shown below:

The screenshot shows the 'Advanced Settings' page. The left sidebar is the same as in the previous screenshot, but 'Advanced' is highlighted. The main content area has a header 'Streaming Media Solution' and a sub-header 'Advanced Settings'. Below this are several settings: 'Quick Call:' with a checkbox, 'Url:' with a text field containing 'sip:101@192.168.68.100', 'Voice GW:' with a checkbox, 'Url:' with a text field containing 'sip:101@192.168.68.100', 'Speed Dial:' with a checkbox, 'ONU Pass:' with a checkbox, '4G Dongle:' with a checkbox, and 'RTSP Feed:' with a dropdown menu showing 'Disable' and a checkmark. A 'Submit' button is at the bottom.

Quick Call: Check the box to enable this function. It refers to the call to master station. Enter the SIP address of specified master station device in the box after URL. The device can be indoor monitor or SIP phone of other manufacturers.

Check the box of Voice GW to enable voice gateway. The settings are as follows:

1. Connect LAN port of voice module to the computer through the switch, set the computer's IP address to 192.168.2.*, open IE browser, and enter http://192.168.2.1 and default password "admin" to the setup interface;
2. According to the situation of used internet, assign appropriate IP address to WAN port of voice module (IP of WAN port cannot be in the same network segment as the one of LAN port. If WAN port is set to 192.168.2.*, the gateway of LAN port will be adjusted automatically rather than 192.168.2.1). Enable the access permission of WAN port and click "Apply".
3. FXO port settings: set the SIP user ID of the port, set DTMF mode to RFC2833 and click "Apply".
4. IP address of WAN port for voice gateway is in the URL for system development module of door station. The final port No. is default port of the system. The format of URL bar is: [SIP user ID of FXS port] @ [IP of WAN Port]: 5062.
5. Once this is set up, click "Submit" to enable new settings.

Speed Dial: press a number key to call directly;

ONU Pass: check the box to enable ONU settings;

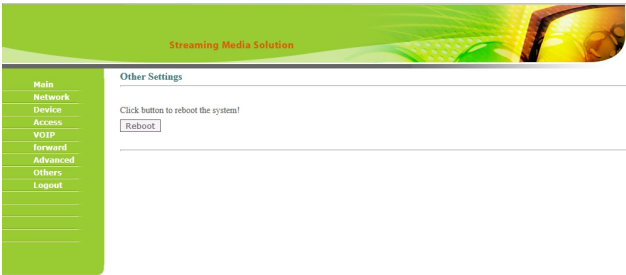
4G Dongle: check the box to enable 4G Internet;

RTSP Feed: check the box to bind media address of third-party video network management.

Once this is set up, click "Submit" to enable new settings.

7.Other Settings

Click the icon "Others" on the left side of the page to enter the interface as shown below:



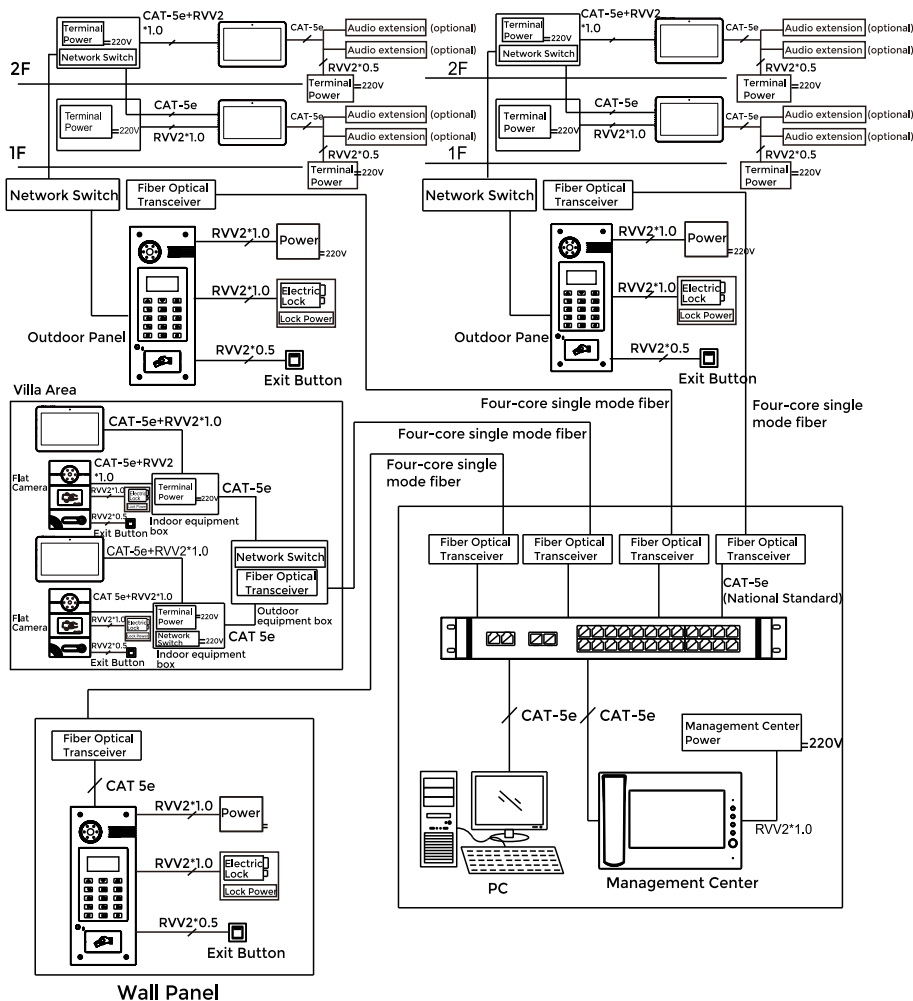
Click Reboot to restart the system.

8. Logout

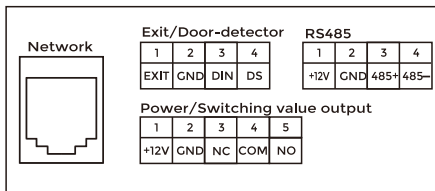
Click the icon "Logout" on the left side. In next page, click the icon "Submit" to log out from the system.



SYSTEM CONFIGURATION



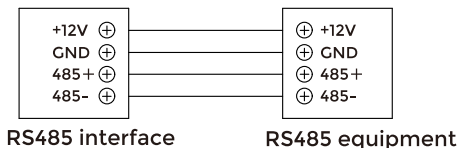
SYSTEM DIAGRAM



1. RS485

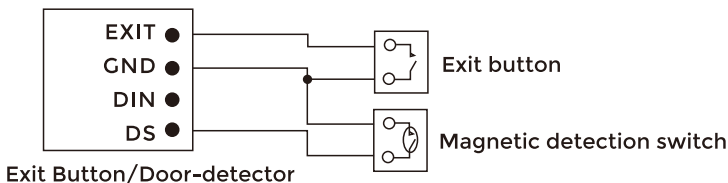
It can connect to the equipment with RS485 interface.

RS485 interface can output 12V/100mA power. Connection of +12V isn't require if it is unused.



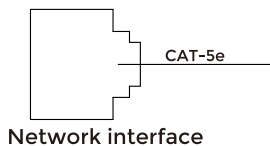
2. Exit/Door-detector

Connect with Exit button and door-detector switch; DIN is reserved terminal, please don't connect it.



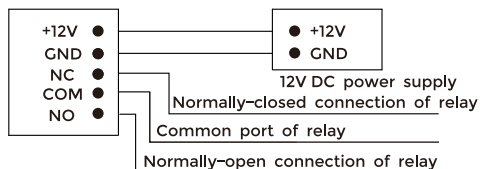
3. Network

Connect to master station, indoor monitor or other network device through.



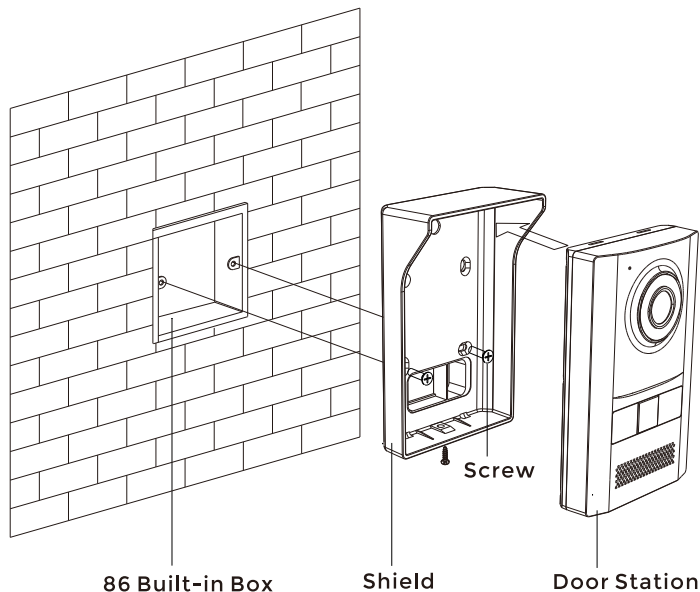
4. Power/Switching Value Output

Connect power interface of door station to 12V DC power. Switching value output connects with electric lock. Independent power supply is required for the lock.



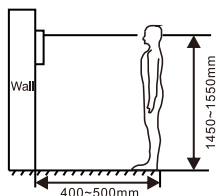
INSTALLATION

MODEL: 280SD-R2



Product size: 170.5x111x38.6mm

Installation Instructions:



[Suggestion]: The camera should be 1450~1550mm above the ground. The camera at this height can capture human face perfectly.

TROUBLESHOOTING

Some common failures and troubleshooting methods are listed for your reference. In case of failure which cannot be repaired, do not disassemble or repair the product by yourself. Please contact the after-sales service department.

When unit panel or wall panel fails to call indoor monitor:

When setting door station, please make sure building No. and unit No. of door station are the same as the ones of indoor monitor;

Please check whether the network is connected;

Please check if there are any security settings for the network, such as VLAN configuration;

When unit panel, wall panel or indoor monitor fails to call master station:

Please check whether the network is connected;

Please check if there are any security settings for the network, such as VLAN configuration.

SAFETY INSTRUCTIONS

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.

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