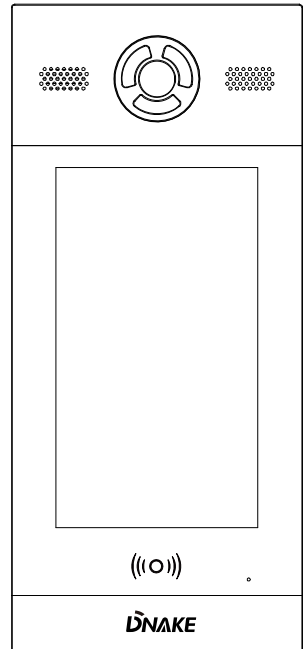




DOOR
STATION

MODEL:

902D-B6



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

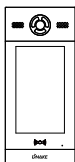
Technical Parameters	1
Package Contents	1
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Web Settings	14
System Configuration	22
System Diagram.....	23
Installation	25
Troubleshooting.....	27
Safety Instructions	28

TECHNICAL PARAMETERS

1. Working voltage: DC12V
2. Rated power: 13W
3. Standby power: 3W
4. Working temperature: $-20^{\circ}\text{C}\sim+55^{\circ}\text{C}$
5. Storage temperature: $-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$
6. Working Humidity: 10% to 90% (non-condensing)
8. RAM: 512MB
9. ROM: 8GB
10. Camera: 1920*1080 CMOS

PACKAGE CONTENTS

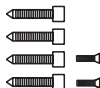
Please make sure the package contains the following items:



Door Station



Screw Fixing Seat



Screw



Screw Wrench

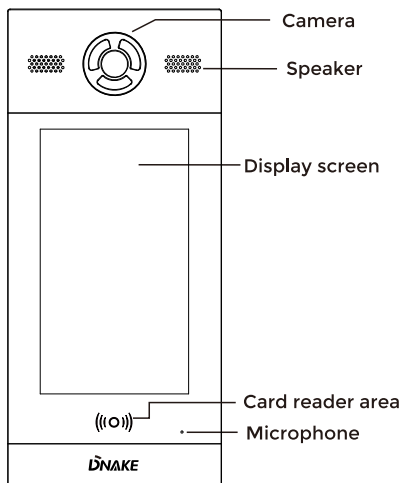


Quick Start

BASIC FUNCTION

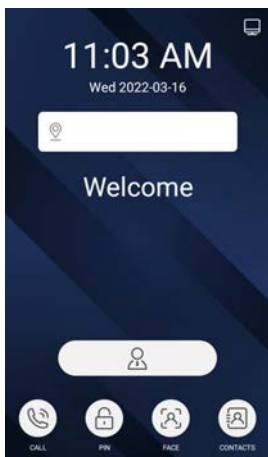
1. 10.1-inch capacitive touch screen
2. Powered by PoE or power adapter (DC12V/2A)
3. Open the door by face recognition (10,000 users)
4. Liveness detection
5. Open the door by IC card (100,000 users)
6. Support SIP 2.0 protocol, easy integration with other SIP devices
7. Easy integration with elevator control system
8. 2MP camera with WDR mode

PICTURES




BASIC OPERATIONS


After the door station is powered on, the LCD display is shown as below:




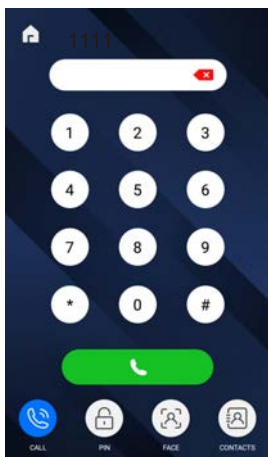
Main menu: CALL, PIN, FACE and CONTACTS.

: one key to call master station.


1. CALL

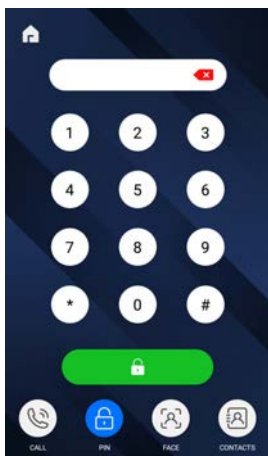
In a standby mode, input room number on door station. For example, input "1111" on door station, then press  to call.

Note: During communication, pressing  on the door station, the call will be cut off.




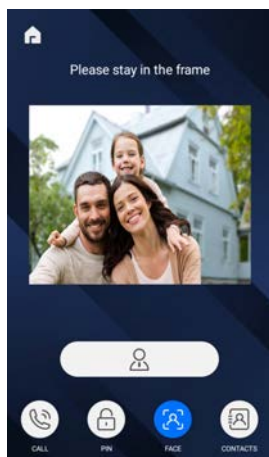
2. PIN

In a standby mode, input the PIN number(default is 0000). Then press “” key to confirm. If the PIN number is correct, the door will be unlocked; if not, it will make a sound like “clatter clatter”.




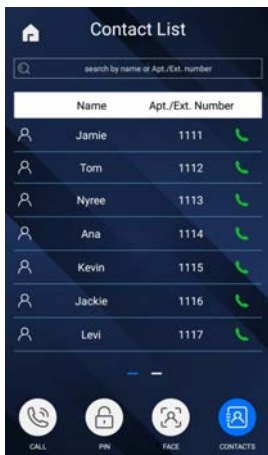
3. FACE

When someone looks at the LCD screen, door station will automatically start the face recognition. If the face ID has been registered, the door will be unlocked. In the state of face recognition, click “” to call master station.



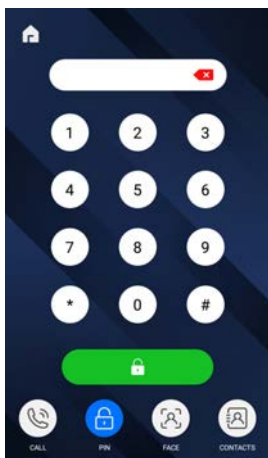
4. CONTACTS

In this interface, you can search the contact by name or apartment number, click “” icon to contact.



BASIC SETTINGS

Click “PIN” icon and press six-digit admin password(default password: 123456), then press “#” to enter the system settings.





In System Settings page, you can set the following items:

1. Device

Press "Device" icon to enter the following setting interface:



1.1 Building No., Unit No., Index and Password

Select the item to set⇒Input the number to change ⇨ Press “Save” to confirm. When the door station gives an indication tone, it means that it is changed successfully.

Note: Please keep the admin password confidential. If the password is forgotten, the user will not be able to log into the system. The password can only be recovered by resetting to factory default.

1.2 Mode

The device can be used as unit door station or wall door station. The device mode can be set through the item "Mode".

Press “Save” to confirm after inputting. When the door station gives an indication tone, it means that it is changed successfully. If the device is used as unit door station, it can only call the indoor monitors in this unit. If the device is used as wall door station, it can call all the indoor monitors in the whole community.

1.3 Language, Volume and Size

The language, volume and size (resolution) are set in the same way as the settings of device mode. "Language" is used to set the language to be shown on the door station, supporting English, traditional Chinese, Spanish and so on. "Volume" is used to set the prompt tone of door station, including 1-6 volume levels selection. There is 320x240, 640x480, 1280x720 or 1920x1080 for the size.

2. Network

Press "Network" icon to enter the following setting interface:



2.1 DHCP

Select this item to go to settings. Press “Save” to confirm after inputting. When the door station gives an indication tone, it means that it is changed successfully. The user can enable or disable the function.

2.2 IP

The default IP address of the system is 192.168.68.90. As for the devices which are connected on the same LAN (the same subnet of network segment), their IP addresses cannot be the same.

2.3 Mask

The system default is 255.255.255.0.

2.4 Gateway

It refers to the gateway address for network segment of device's IP address. The system default is 192.168.68.1.

2.5 DNS

The system default is 8.8.8.8.

2.6 CMS IP

The CMS IP address refers to the IP address of computer with management software. In case that management software isn't required for managing the intercom devices, this setting is invalid. The default IP address of server is 192.168.12.40.

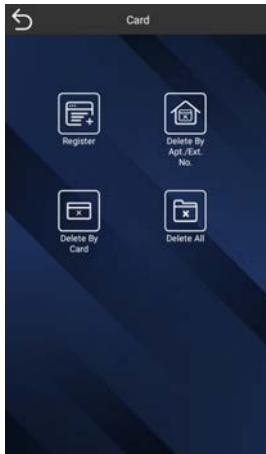
3. Access

Press "Access" icon to enter the following setting interface:



3.1 Card

Press "Card" icon to enter the following setting interface:



3.1.1 Register

Enter Name and Apartment No., click "Next" icon, and then swipe the card on the card reader area of the door station to complete the card registration.

3.1.2 Delete By Apt./Ext.No.

Enter Apt./Ext.No., click “Next” icon, select the card to be deleted, and click “Confirm” to delete it successfully.

3.1.3 Delete By Card

Press “Delete By Card” icon, swipe the card on the card reader area of the door station to delete the card.

3.1.4 Delete All

Press “Delete All” icon, and click “Confirm” to delete all card.

3.2 PIN Code

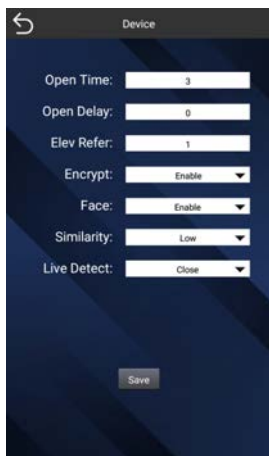
Press "PIN Code" icon to enter the following setting interface:



The page is used for setting the PIN Code to unlock the door. The system default password is 0000. Eight unlocking passwords can be added.

3.3 Settings

Press "Settings" to enter the following setting interface:



3.3.1 Open Time

The item is used for setting door opening time length.

Select this item to go to settings. Input any number from 1 to 9. If the user enters the number 3, it means the opening time is set to 3 seconds. Press "Save" to confirm after inputting. When the door station gives an indication tone, it means that the time is changed successfully.

3.3.2 Open Delay

The item refers to delay duration of opening, meaning how long it will delay opening the door after the user presses the unlock button on the indoor monitor.

Select this item to go to settings. Input any number from 1 to 9. If the user enters the number 5, it means the delayed opening time is set to 5 seconds. Press "Save" to confirm after inputting. When the door station gives an indication tone, it means that the time is changed successfully.

3.3.3 Elev Refer (This item can only be used after connecting to Elevator Control Module.)

The item is used for setting the floor No. of door station.

Select this item to go to settings. Set the floor No. of door station ranging from 01 to 99. After the door is unlocked, the elevator will reach the floor of door station. Press "Save" to confirm after inputting. When the door station gives an indication tone, it means that it is changed successfully.

3.3.4 Encrypt

This item is used for IC card encryption. Press “Save” to confirm after inputting. When the door station gives an indication tone, it means that it is changed successfully. The user can enable or disable the function.

3.3.5 Face

This item is used for enabling or disabling face recognition.

3.3.5 Similarity

The item “Similarity” is used for setting the face similarity. There are 3 levels to choose. (Low: the face similarity requirement is low; Normal: the face similarity requirement is normal; High: the face similarity requirement is

3.3.5 Live Detect

The item “Live Detect” is used for detecting human face in case some might use photo or video to break in. (Normal: Enable live detect for single camera device; High: Enable live detect for dual camera device.)

4. Other

Press "Other" icon to enter the following setting interface:



Others page is used for reboot.

Reboot: click to reboot the device.

Default: click to reset to factory default.

5. Version

Press "Version" icon to enter the following setting interface:



You can look over the relevant information.

WEB SETTINGS

Connect door station and PC to the network switch on the same LAN. Input IP address of door station in the web browser of PC, then input the user name and password(the default name is admin, the password is 123456) to enter into the following interface:



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

1. Network:



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

DHCP: obtain IP address via DHCP;

IP: static IP address.

Mask: subnet mask.

Gateway: it depends on IP address.

DNS: Domain Name Server;

Server IP & Password: server is the IP of CMS and password is the admin's password of device.

2. Device:

Streaming Media Solution

Device Settings

BuildNo:

UnitNo:

No:

Sys passwd:

Panel mode:

Language:

Volume:

Video:

Forward:

Dial Mode:

Device is used for setting up connection with other devices.

BuildNo: number of the building;

UnitNo: number of the unit;

No: number of the room;

Sys Passwd: admin password;

Panel mode: unit-Door Station used in the building entrance; wall-Door Station used in the community entrance; person-Door Station used in the villa entrance;

Language: various types of language;

Volume: adjust the volume;

Video: resolution of the device;

Forward: the call can be made one by one or simultaneously;

Dial Mode: the call mode can be set to normal or repeated;

3. Time:

Streaming Media Solution

Time Settings

NTP:

NTP Server:

NTP Port:

24-Hour:

Time Zone:

Set Time:

Time:

Date:

NTP: Network Time Protocol (NTP) is a protocol used to synchronize computer time. Enable NTP and fill in NTP Server and NTP Port to synchronize computer time;

24-Hour: enable to use 24H format;

Time Zone: A time zone is a region that observes a uniform standard time for legal, commercial, and social purposes;

Set Time: enable to set time;

Time/Date: Defining time or date can be set.

4. Access:



Access is used for setting up unlock time, elevator and unlock password.

Unlock Timeout: door opening time length;

Unlock Delay: delay duration of unlock;

Elev refer: used for setting the floor of Door Station ranging from 01 to 99;

Security ON/OFF: alarm switch;

Unlock Passwd: used for unlocking the door. The system default password is 0000. Eight unlocking passwords can be added.

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 clicks “Submit” to finish the registration of the admin card.
2. If the user isn't aware of admin card No., please enter 0 in the box first and click “Submit”. Then place the admin card close to the card reader area. When the system gives an indication tone, it means that the card is registered successfully.

When registering the user card, the user should 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. If 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, it will postpone for 10 seconds.

5. VOIP:

The screenshot shows the 'SIP Settings' page. On the left is a green sidebar with navigation links: Home, Network, Device, Time, Account, VCR, Forward, Call Manager, Advanced, Personalized, Logout, and Logout. The main content area is titled 'SIP Settings' and contains the following fields:

- SIP enable:**
- Proxy:**
- Realm:**
- Outbound:**
- STUN IP:**
- STUN Port:**
- H.264:**
- User:**
- Password:**
- Timeout:**
- Ringng:**

At the bottom of the form is a 'Submit' button.

The page is used for setting up SIP.

SIP Enabled: switch to enable or disable SIP;

Proxy: fill server address and port, the format: sip:server address:port;

Realm: fill server address and port, the format: server address:port;

Outbound: if you don't have outbound server, leave it blank;

STUN IP & STUN Port: fill your STUN IP server and port if needed;

H.264: advanced Video Coding;

User & Password: user and password of SIP;

Timeout: maximum call duration;

Ringng: ringing time of indoor monitor when it's called. The time can be set at 35 seconds, 45 seconds, 60 seconds, 90 seconds or 120 seconds.

6. Forward (Call transfer):

The screenshot shows the 'Forward Account Settings' page. On the left is a green sidebar with navigation links: Home, Network, Device, Time, Account, VCR, Forward, Call Manager, Advanced, Personalized, Logout, and Logout. The main content area is titled 'Forward Account Settings' and contains the following fields:

- Room Ext. No.:**
- Account:**
- Delete:**

Below the form is a 'Submit' button and a table with the following columns: Room Ext. No., Account, Room Ext. No., Account, Room Ext. No., Account.

This setting is used for make the call from Door Station to other SIP device, such as IP phones. For example, the SIP account of IP phone is 2008, and the sip server is 192.168.0.96, fill sip:2008@192.168.0.96 in Account. And if you want to press 1 on the Door Station to make the call to this IP device, fill 1 in RoomNo.

Room/Ext.No. & Account: the forwarding target;

Delete: delete the corresponding account.

7. Card Manage:

The screenshot shows the 'Card Manage' page of a 'Streaming Media Solution' web application. On the left is a green navigation menu with options: Home, Network, Device, Time, Access, WSP, Forward, Card Manage (highlighted), Advanced, Homebank, Backup, and Logout. The main content area is titled 'Card Manage' and contains the following fields and controls:

- Card:
- Apt Ext No:
- Name:
- Buttons: , ,
- Upload section: No file chosen
- Table header:
- Buttons:

Card is used for adding cards.

Card & Apt/Ext.No. & Name: register or delete cards;

Export file & Upload: export file all cards info or upload a file to register cards in bulk.

8. Advanced

The screenshot shows the 'Advanced Settings' page of the 'Streaming Media Solution' web application. On the left is the same green navigation menu as in the previous screenshot. The main content area is titled 'Advanced Settings' and contains the following fields and controls:

- Advertising:
- URL:
- Timeout(s):
- Quick Call:
- Voice GW:
- Speed Dial:
- OSD Page:
- SR Server:
- IC Bytes:
- Fair:
- Fair Register:
- Secondary:
- Model:
- Line Detect:
- RTSP Port:
- URL:
- URL:
- URL:
- URL:
- Call mode:
- Address:
- Buttons:

Advanced page is used for setting up accessibility features.

Advertising: check the box to enable this function. Enter the specified advertisement URL in the box. The door station will play the online advertisement automatically.

Quick Call: call the corresponding URL by management-center button or icon;

Voice GW: Voice Gateway, used to connect devices support Voice gateway;

Speed Dial: press random number to call out automatically;

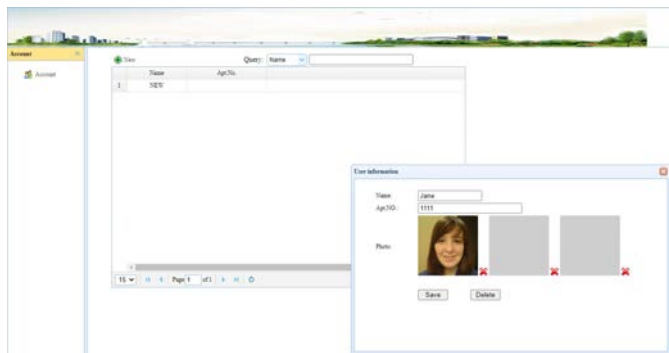
ONU Pass: if using optical cable but not network cable in the building, it should be enabled;

IR Sensor: enable to sense human activity to trigger face recognition;

IC Bytes: IC card sectors (3 & 4 bytes)for users to choose

Face: this item is used for face. The user can enable or disable the function.

Face Register: click “Click here”, The system will jump to the following interface:



Click “New”, customize your name and fill in Apt. NO., click Photo to upload your picture and save settings.

Similarity: the item “Similarity” is used for setting the face similarity. There are 3 levels to choose.

Live Detect: the item “Live Detect” is used for detecting human face in case some might use photo or video to break in.

RTSP Feed: add IPC to Door Station to allow Indoor Monitor switch among Door Station and IPCs while calling.

Call mode: two modes of CALL, Dial buttons & Call buttons. In call buttons mode, Apt./Ext. No. will display on CALL page of Door Station. In dial buttons mode, dial plate will display on CALL page of Door Station.

Address: fill in address which will display on the homepage of Door Station as a location.

9. Phonebook:

The screenshot shows the 'Phonebook Settings' page. On the left is a green navigation menu with items: Home, Network, Device, Time, Account, WDR, Forward, Card Manager, Advanced, Phonebook, Debug, and Logout. The main content area is titled 'Phonebook Settings' and contains the following elements:

- Three input fields for 'Apt. Ext. Name', 'Apt. Ext. No.', and 'Apt. Ext. IP'.
- Buttons for 'Submit', 'Delete', and 'Delete all'.
- A file selection area with a 'Choose File' button, the text 'No file chosen', and an 'Upload' button.
- A table with three columns: 'Apt. Ext. Name', 'Apt. Ext. No.', and 'Apt. Ext. IP'. The table contains the following data:

Apt. Ext. Name	Apt. Ext. No.	Apt. Ext. IP
Jasne	1111	192.168.0.11
Tom	1112	192.168.0.12
Nyssa	1113	192.168.0.13
Ana	1114	192.168.0.14
Krisa	1115	192.168.0.15
Jackie	1116	192.168.0.16
Levi	1117	192.168.0.17
Charming	1118	192.168.0.18

At the bottom of the table area is an 'Export file' button.

This interface is used to manage Phonebook.

Apt/Ext. Name: name can be customized;

Apt/Ext. No.: fill in No. address of device;

Apt/Ext. IP: fill in IP address of device;

Delete/Delete All: delete one or all listed devices below.

Export file/Upload: export a phonebook file to add devices and upload it to the list below.

10. Debug

The screenshot shows the 'Debug' page. On the left is the same green navigation menu as in the Phonebook page. The main content area is titled 'Debug' and contains the following sections:

- Tcpdump:** A section with a 'start' button and an 'export' button.
- Logcat:** A section with a 'start' button and an 'export' button.
- Backup:** A section with a 'Backup' button, a 'Restore' button, a 'Choose File' button, and the text 'No file chosen'.

Debug page is used for problem solving.

Tcpdump: click start to use packet analyzer and export to download file;

Logcat: click start to record the logs of device and export to download file.

Backup: click backup to export file which contains all your settings including face info. Select file and click restore to restore settings.

11. Logout

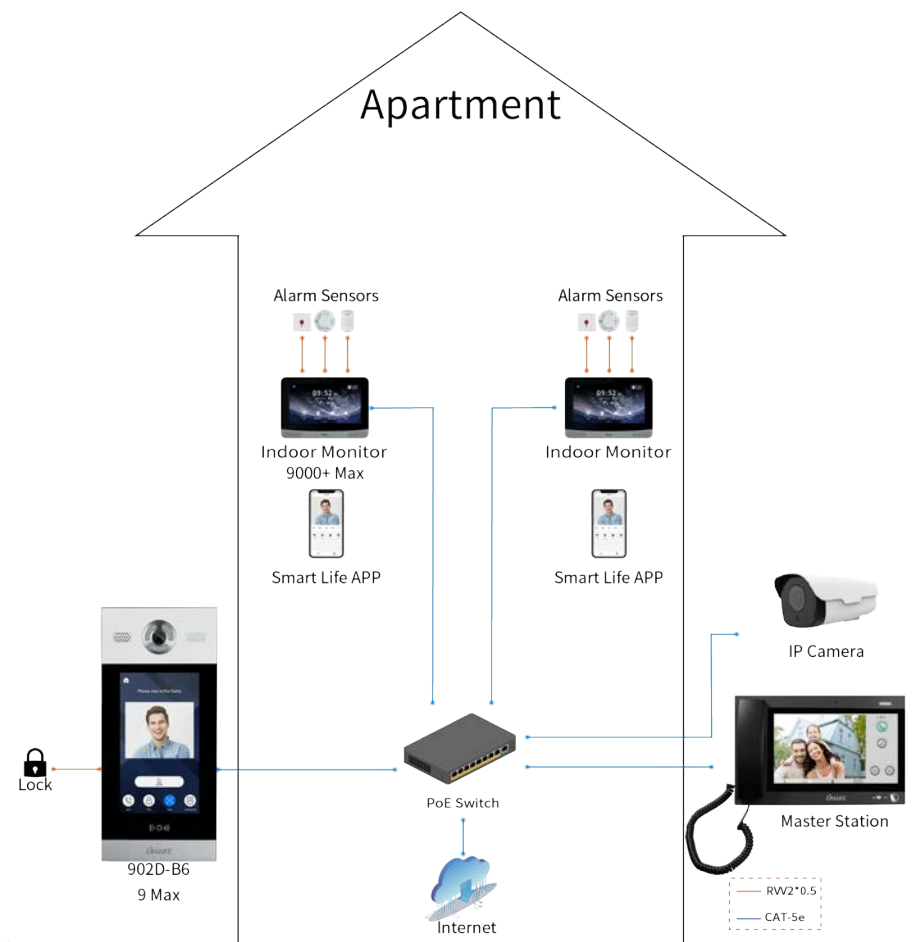


Logout page is used for signing off.

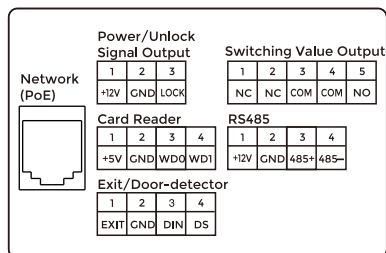
User Logout: click to logout the webpage. After that, you can use other accounts to login.

SYSTEM CONFIGURATION

Apartment

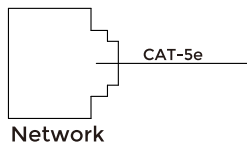


SYSTEM DIAGRAM



1. Network(PoE)

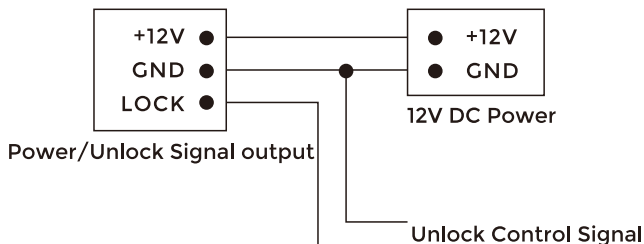
Standard RJ45 interface connects with master station, indoor monitor or other network equipment by network switch.



2. Power/Unlock Signal Output

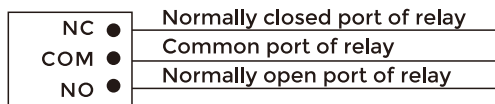
Power interface of door station connects with 12V DC power. Unlock signal output connects with the lock module.

Unlocking current can reach Max.3.5A.



3. Switching Value Output

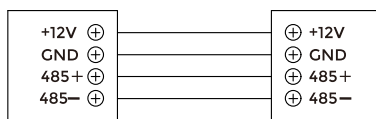
Connect to the lock module(independent power supply is necessary for the lock).



Switching Value Output

4. RS485

Enable to connect equipment with RS485 interface. RS485 interface can output 12V/100mA power. +12V isn't required for wiring if it is unused.

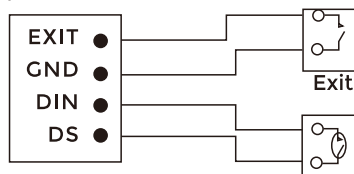


RS485 Interface

RS485 Equipment

5. Exit/Door-detector

Connect with exit /door-detector.

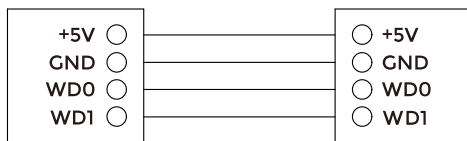


Exit/Door-detector

Door-detector Sense Switch

6. Card Reader Interface

The interface can be connected to one IC card reader or be used for reading the information of built-in card reader. It can output the power 5V/100mA. If the card reader doesn't need the power from the interface, connection of +5V isn't required.

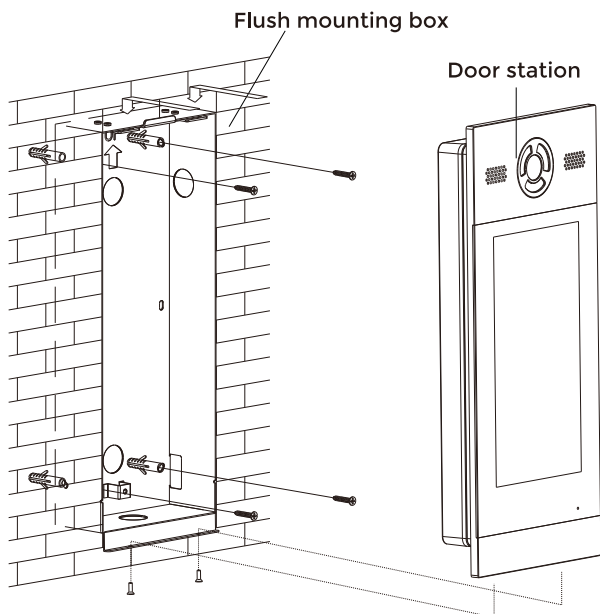


Card Reader Interface

IC Card Reader or Management Device

Note: Only one card reader can be connected to door station. When there is built-in card reader, the interface can only be used for reading the information of built-in card reader.

INSTALLATION



Product size: 180x400x45mm

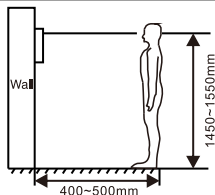
Flush mounting box size: 172x373x58mm

Installation dimension: 176x377x60mm

Installation method:

1. According to the installation dimension of door station, dig a square groove at the appropriate position in the wall or door, and dig a hole (drainage hole) at the bottom;
2. Drill the threading holes at the bottom of the built-in box to facilitate drainage. Upward arrow is on the front of the built-in box. Embed the built-in box into the wall, then put the built-in box into the groove of the wall, and tighten four screws from top to bottom of the built-in box, or fix the built-in box in the wall with concrete;
3. Assemble the door station into the built-in box, align the groove and the built-in box, tighten the screws, and finally inject the glass glue into the top, left and right sides of the door station(note: the glass glue cannot be injected into bottom part that is reserved for the drainage hole at the bottom of door station).

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 door station or wall door station 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 door station, wall door station 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 flopper 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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