

DNAKE



User Manual

DNAKE DK360

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

PRODUCT FEATURE	1
TECHNICAL PARAMETER	1
PACKAGE CONTENT	3
OVERVIEW.....	4
BASIC OPERATION.....	5
DEVICE SETTINGS.....	9
SYSTEM DIAGRAM.....	22
DEVICE WIRING	23
INSTALLATION	25
TROUBLESHOOTING.....	28
SAFETY INSTRUCTION	30
FCC Warning.....	32

PRODUCT FEATURE

1. Plug & Play
2. Long-range transmission (500m in open area)
3. 7-inch IPS capacitive touch screen
4. High-quality video 1080P
5. Support Mobile App(Optional)
6. Eco-Friendly Solar Charging(Optional)

TECHNICAL PARAMETER

Door Camera DC300

Power Supply: DC 9-24V

Battery: Rechargeable Lithium Battery (DC3.7V/4200mAh)

Video Resolution: 1920 x 1080

Working Temperature: -10°C to +55°C

Storage Temperature: -40°C to +70°C

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

Indoor Monitor DM60

Power Supply: DC 12V

Battery: Rechargeable Lithium Battery (DC3.7V/2500mAh, Optional)

Display: 7-inch IPS LCD

Screen: Capacitive touchscreen

Resolution: 1024 x 600

Working Temperature: -10°C to +55°C

Storage Temperature: -40°C to +70°C

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

PACKAGE CONTENT

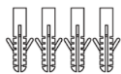
MODEL: DK360



Door Camera



Lithium Battery



Screw Fixing Seat
(4 pcs)



Torx
Screwdriver(T10)



Screw(TM3x11)



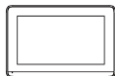
Screw(FA4x25,4pcs)



Junction
Pressing Plate



Screw(CM2x6,6pcs)



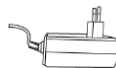
Indoor Monitor



Screw Fixing
Seat (2 pcs)



Ethernet
Connector



Power Supply

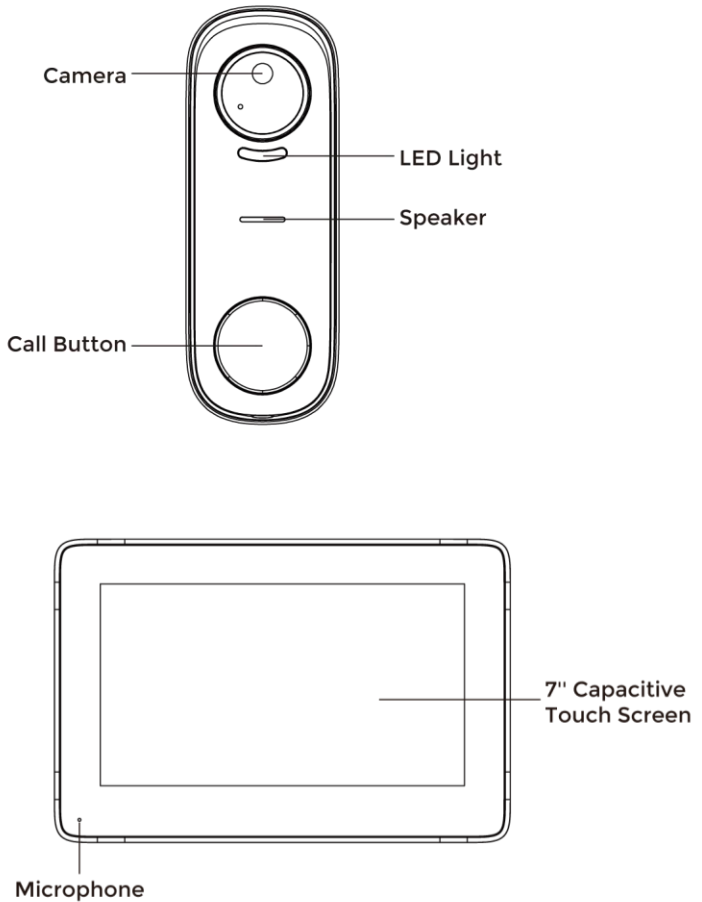


Screw(FA4x25,4pcs)



User Manual

OVERVIEW



Note:

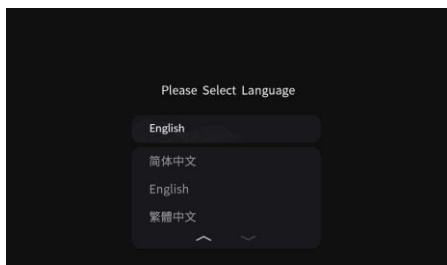
LED light: The light will activate when the device is in a dark.

BASIC OPERATION

1. Onboarding

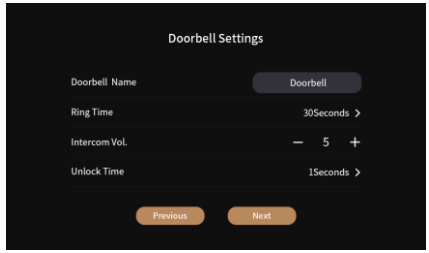
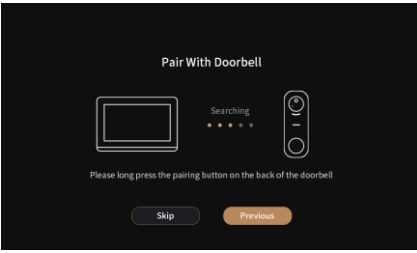
1.1. Language 1/3

Language is the first setting. We have 16 kinds of languages (Chinese Simplified, Chinese Traditional, English, Spanish, German, Polish, Russian, Turkish, Hebrew, Arabic, Portuguese, French, Italian, Slovak, Vietnamese, and Dutch) for customers to choose from.



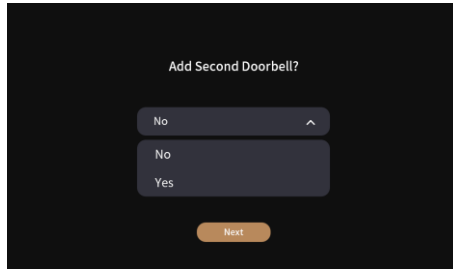
1.2. Pair Door Camera 2/3

Ensure both the Door Camera and indoor monitor are powered on, then press and hold the pairing button on the back of Door Camera for at least 5 seconds to pair the devices. Upon successful pairing, the indoor monitor allowing you to customize options such as the doorbell name, ring time, intercom vol, and unlock time.



1.3. Pairing Additional Door Cameras 3/3

To pair a second Door Camera, select “Yes” if you have one, and follow the same steps as before. If no second Door Camera is available, select “No” to proceed.



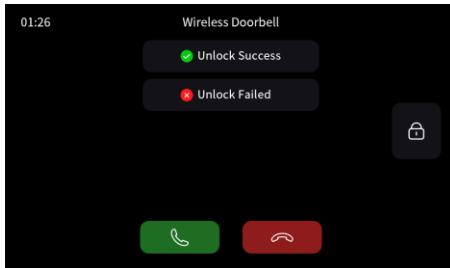
2. Call Indoor Monitor by Door Camera

2.1. Call Indoor Monitor by Door Camera

(1) Try to call Indoor Monitor. Press the Button on Door Camera to make this call.

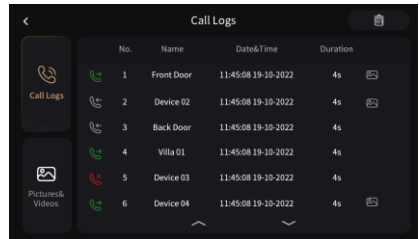
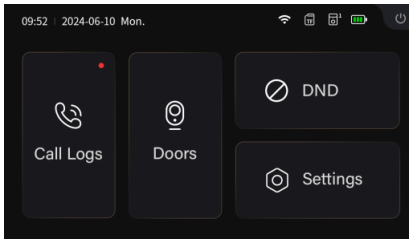


(2) You can answer, reject, open the door, or speak with the visitor.



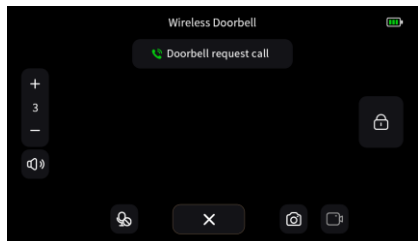
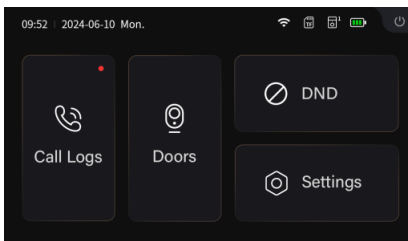
3. Call Logs

Click the Call Logs to review the log of call. During a call, you can manually save videos and snapshots to the TF card. Saved records can be viewed in the Call Logs.



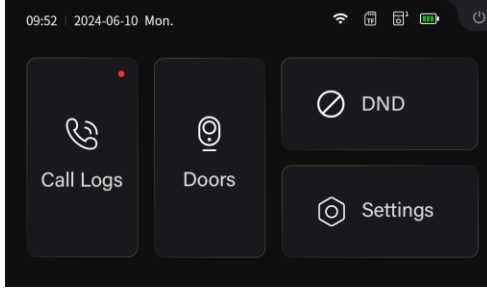
4. Monitor Door Camera on Indoor Monitor

Click Doors icon to monitor Door Camera.



5. DND

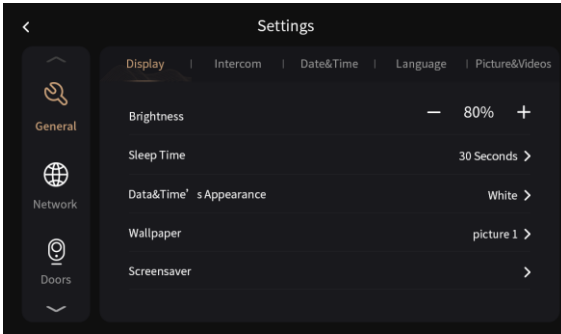
Click DND icon to enable do not disturb function. No calls can call in.



DEVICE SETTINGS

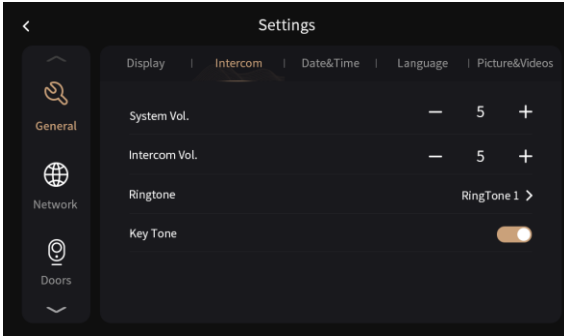
1. General

1.1. Display



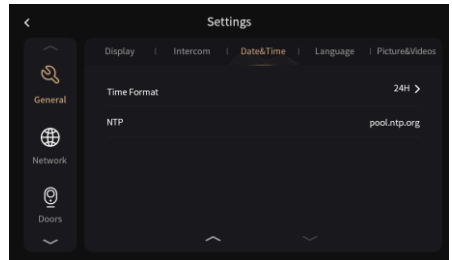
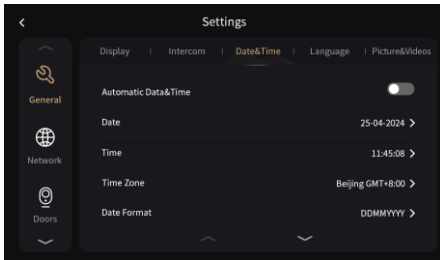
- (1) Brightness: Screen brightness adjustment.
- (2) Sleep Time: Screen sleep time (15s, 30s, 1min, 2mins, 5mins, 20mins, 30mins).
- (3) Data&Time's Appearance: Supports customizing the color of the date and time on the home screen, offering black and white as selectable options.
- (4) Wallpaper: The system offers 4 built-in wallpaper and allows users to upload custom wallpaper via TF card.
- (5) Screensaver: The system offers 4 built-in screensaver types and allows users to upload custom screensavers via TF card.

1.2. Intercom



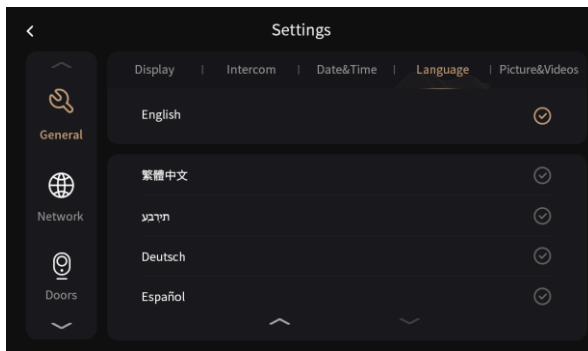
- (1) System Vol: Volume of System can be set from 1 to 6. Volume 6 is the maximum volume (Key tone).
- (2) Intercom Vol: Volume of Intercom can be set from 1 to 6. Volume 6 is the maximum volume (Call volume).
- (3) Ring Tone: The ringing sound (Ringtone 01-03).
- (4) Key Tone: The key tone (Enable or disable).

1.3 Date & Time



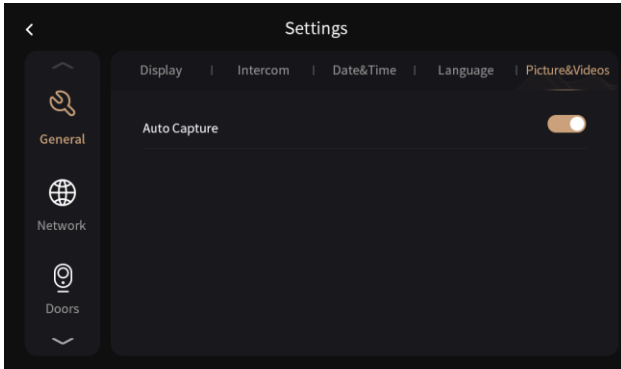
- (1) Auto: Enable to synchronize computer time.
- (2) Date&Time: Date and time can be set manually.
- (3) Time Zone: A region that observes a uniform standard time.
- (4) Date Format: 3 time formats supported (YYYY-MM-DD, DD-MM-YYYY, MM-DD-YYYY).
- (5) Time Format: Select 12H or 24H format to display on the device.
- (6) NTP: Network Time Protocol (NTP) is a protocol used to synchronize NTP time.

1.4 Language



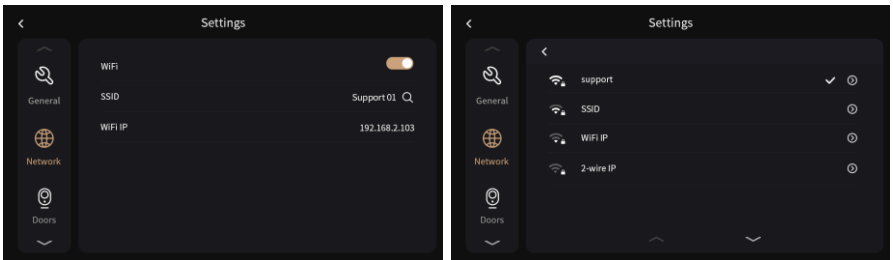
- (1) Language: 16 languages supported (简体中文, English, 繁體中文, עברית, Deutsch, Español, Türk, Tiếng Việt, Nederlands, Português, Polski,Русский, عربي, Français, Italiano, slovenský);

1.5 Media



Automatically saves images during video intercom sessions, with storage on a TF card.

2. Network



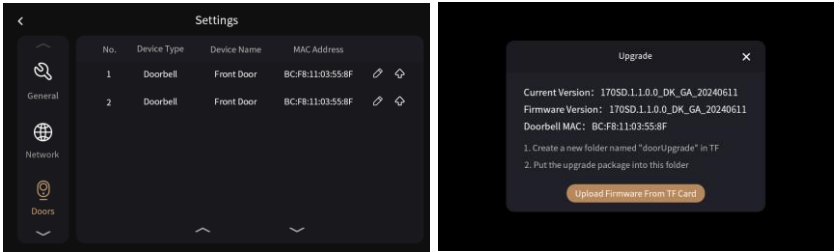
- (1) WiFi: Enable WiFi to connect network.
- (2) SSID: Choose the network to connect.
- (3) WiFi IP: The WiFi IP of the device connect.

3. Doors

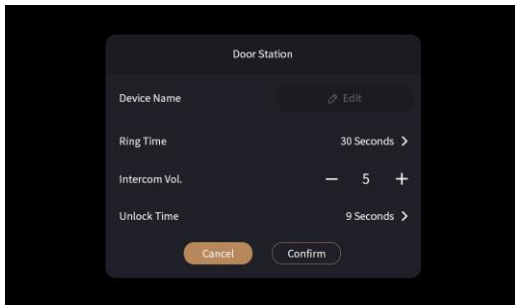
3.1 Upgrade

You can upgrade Door Camera on this page by clicking the arrow icon (Upgrade).

Upgrade method: Put the FW on a folder named “doorUpgrade” on TF card, then click arrow icon here.



3.2. Door Camera Settings



- (1) Device Name: Supports editing the name of the door.
- (2) Ring Time: The doorbell ring time (15s, 30s, 1min, 2mins).
- (3) Intercom Vol: Intercom volume of doorbell can be set from 1 to 6. Volume 6 is the maximum volume (Call volume).
- (4) Unlock Time: Configures the time duration for which the door lock remains open after unlocking;(1s,3s,5s,9s).

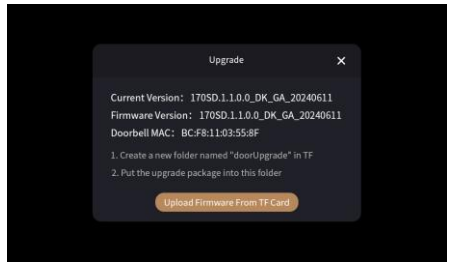
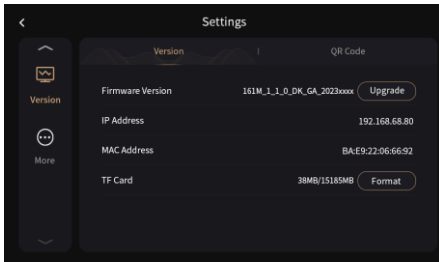
4. Version

4.1 Version

You can upgrade and Indoor Monitor on this page.

Upgrade method: Put the FW on a folder named “monitorUpgrade” on TF card, then click Upgrade here.

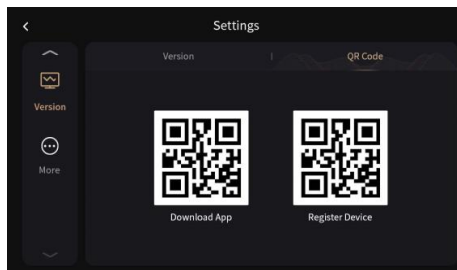
And there is information about Indoor Monitor, including IP address, MAC address and TF card.



4.2 QR code

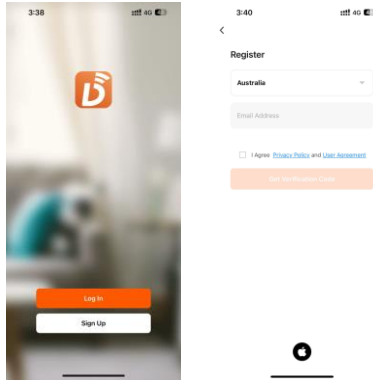
4.2.1 Download Dnake Smart Life app

Resident can download the Dnake Smart Life app by searching for Dnake Smart Life in app store, Google Play Store or by scanning the following QR code.

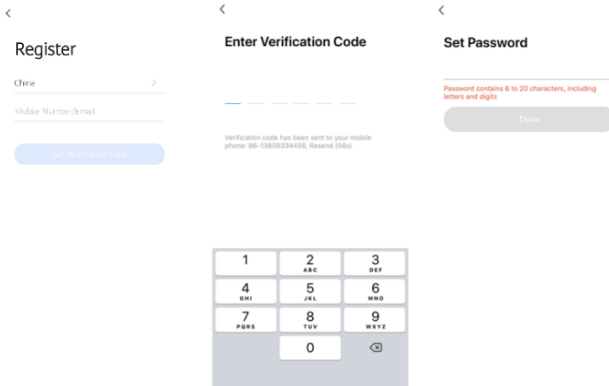


4.2.2 Register, log in

- (1) Open the Smart Life app and tap Sign Up. In the User Agreement and Privacy Policy dialog box, carefully read the privacy policy and agreement and tap Agree to go to the account registration page.



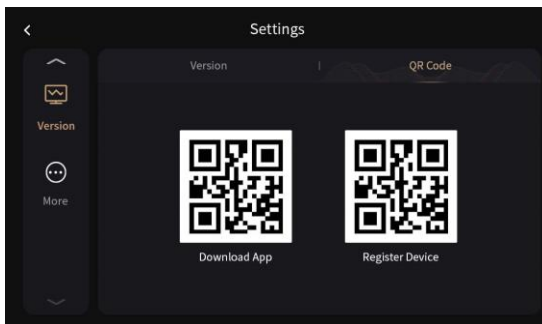
- (2) Enter resident's email address and tap Get Verification Code. The country or region on the registration page is the same as that resident set in the mobile phone. Resident can also manually change the country or region before registration.
- (3) On the Enter Verification Code page, enter the verification code. On the Set Password page, set the password as per instructions and tap Done.



4.2.3 Scan QR code

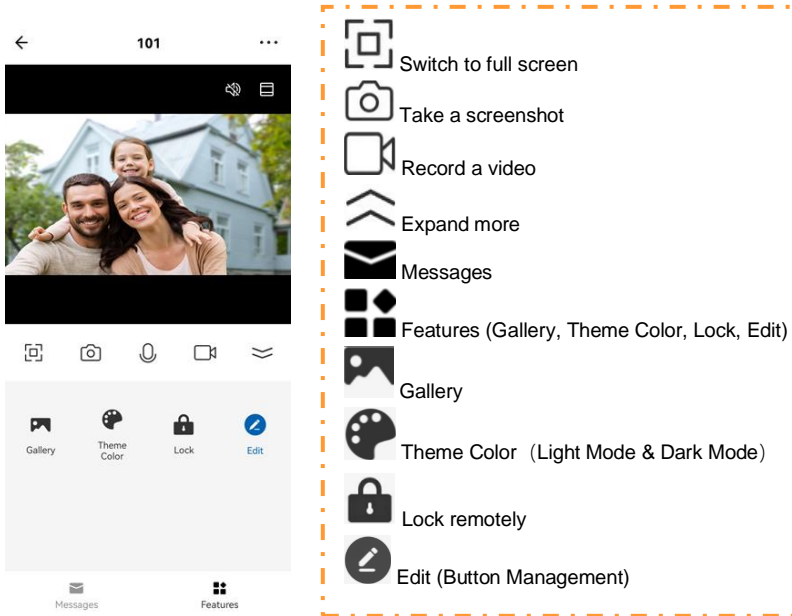
1. License of Dnake Smart Life app will be filled in Indoor Monitor before delivery.

- (1) Step 1: Go to Settings > System page.
- (2) Step 2: Select the QR code.
- (3) Step 3: Scan QR code. One QR code can only be bound to one phone but resident can share resident's authority to its family members.



2. Congratulations. Door Camera is successfully connected to resident's phone.

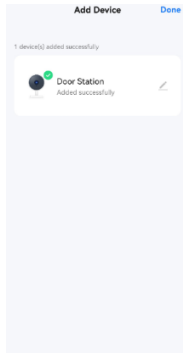
3. After you complete the above steps, the Smart Life app will automatically enter the interface of monitor. You can make a video call to Door Camera and unlock remotely on the smart phone. If Door Camera is calling in, Indoor Monitor and Smart Life App can ring at the same time, and the mobile phone APP can answer the call and unlock remotely. Smart Life App can also monitor and unlock Door Camera.



4.2.4 Rename devices

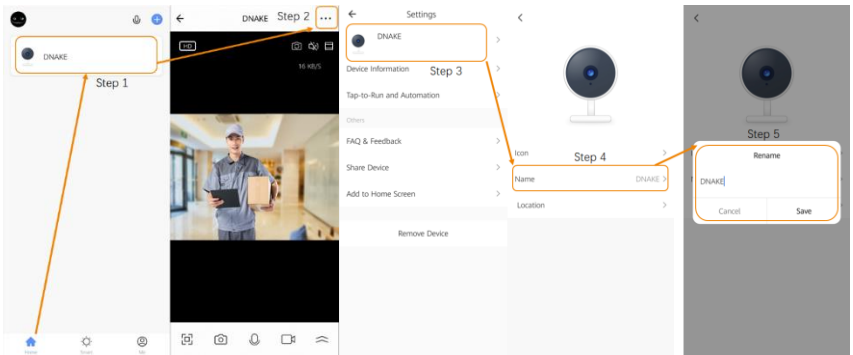
1. After scanning the device, resident will see the reminder (Added successfully).

In this page, resident can edit the name and room of this device.



2. After the device is added, resident can customize the device name. The following steps and pictures are here for reference.

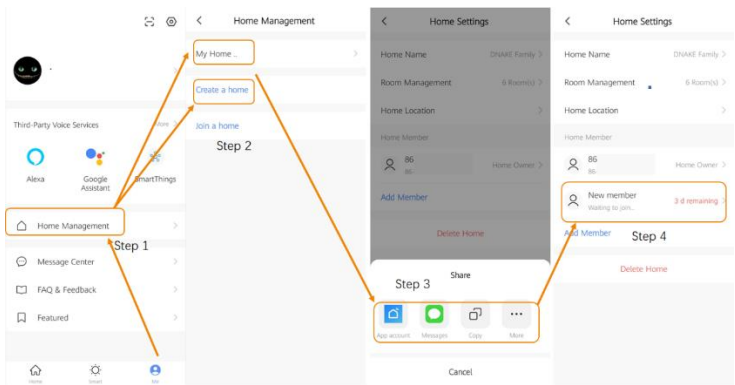
- (1) Step 1: Back to the home page and click the device to rename.
- (2) Step 2: Click Edit in the upper right corner.
- (3) Step 3: Select the icon.
- (4) Step 4: Click Name.
- (5) Step 5: Rename device.



4.2.5 Share devices

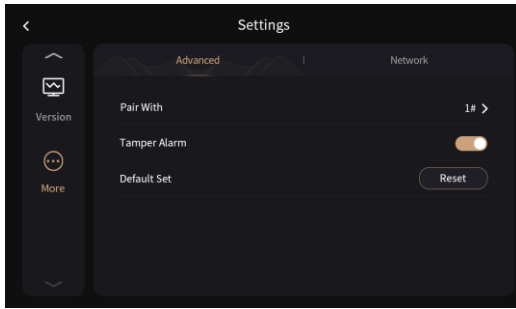
You can create a home to share your devices in this group. The following steps and pictures are here for reference.

- (1) Step 1: Go to Me page and then open Home Management.
- (2) Step 2: Select My Home or Create a Home.
- (3) Step 3: In the Home Setting page, you can rename, locate, or share your device.
- (4) Step 4: Wait for new members to accept your invitation.



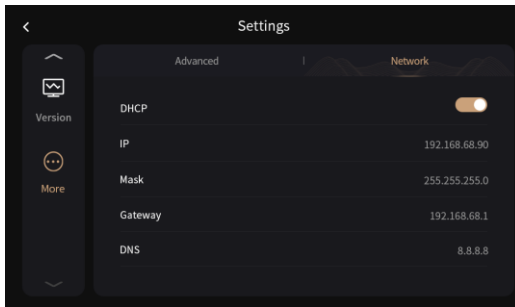
5. More

5.1 Advance



- (1) Pair With: Used to pair the Door Camera with a second unit.
- (2) Tamper Alarm: Allows enabling or disabling the tamper alarm feature to enhance device security.
- (3) Default Set: Restores the Door Camera to its factory default settings.

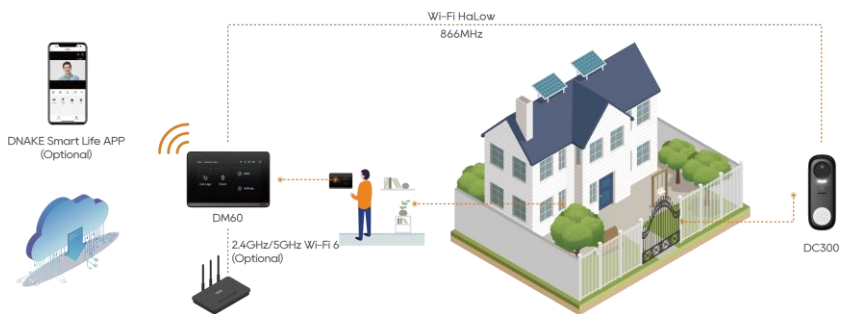
5.2 Network



- (1) DHCP: Enable DHCP (Dynamic Host Configuration Protocol) to dynamically distributing network configuration parameters.
- (2) IP: Configure Static IP address to manually distributing network configuration parameters.

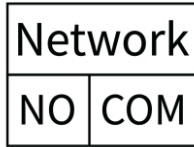
- (3) Mask: Subnet mask.
- (4) Gateway: A component that is part of two networks, which use different protocols.
- (5) DNS: Domain Name Server of the device

SYSTEM DIAGRAM



DEVICE WIRING

1. Indoor Monitor



DM60

1.1 Power

Power interface of Indoor Monitor connects with DC 12V adapter or rechargeable lithium battery. (DC3.7V/2500mAh, Optional)

1.2 Network

Utilize a 4-pin to RJ45 Ethernet adapter to connect the indoor monitor to the network for Ethernet communication.

1.3 Doorbell

The NO port and COM port are used to connect the doorbell, enabling signal transmission and communication with the indoor monitor.

2. Door Camera

1	2	3	4	5	6
DC9-24V	GND	SOLAR+	EXIT	COM	NO

DC300

2.1 Power

The power interface of the Door Camera supports DC 9-24V input through Port1 and Port2.

2.2 Connected to Solar Panel

To connect a solar panel, you should use the **GND** and **SOLAR+** port.

2.3 Signaling Port (EXIT)

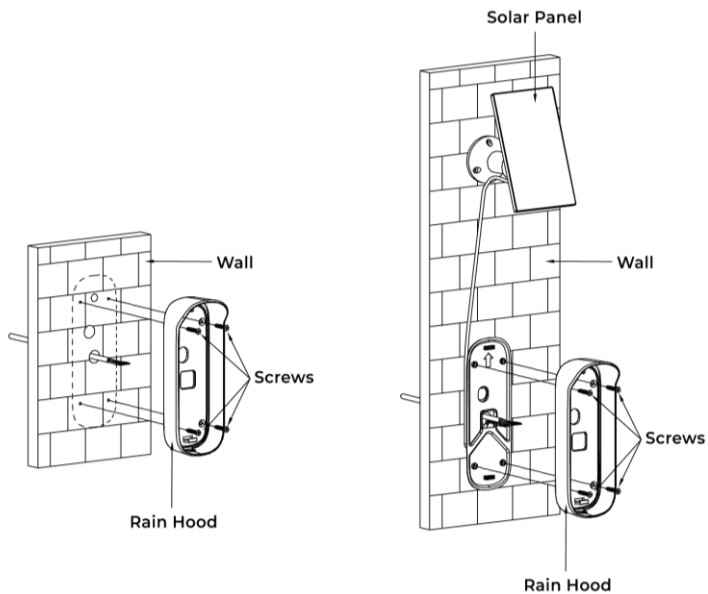
The EXIT port is an input signal designed to connect to an external exit button. When the exit button is pressed, the EXIT port receives the signal, which then activates the relay to unlock the door.

2.4 Relay Control Ports (COM and NO)

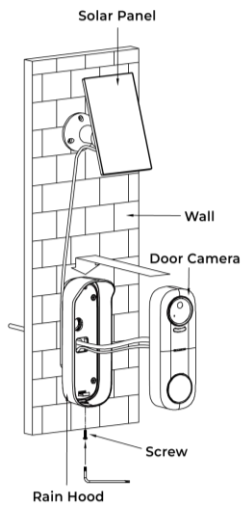
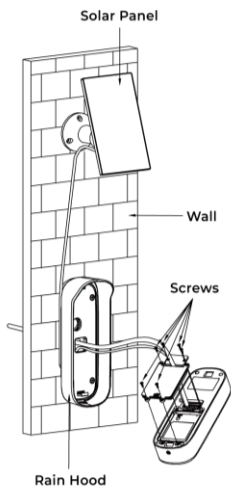
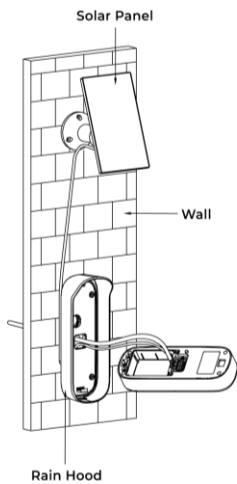
The COM and NO ports are essential for controlling external devices, such as door locks. For instance, to unlock a door, simply connect the lock mechanism between the NO and COM ports; when the relay is triggered, the lock will receive power and unlock.

INSTALLATION

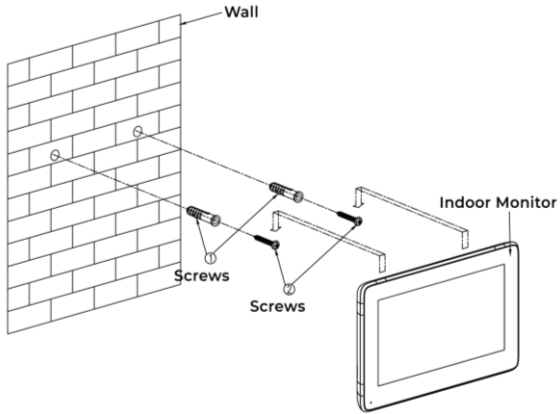
Surface Mounting Installation



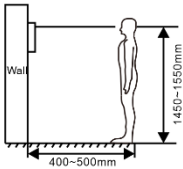
Surface Mounting Installation



Surface Mounting Installation



Tips:



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

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 Camera.

- Ensure the indoor monitor and Door Camera has been paired.
-

Multimedia files cannot be played normally.

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

No response when clicking Indoor Monitor display screen.

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

Touchscreen responses slowly or cannot make calibration.

- Take down any protective paster, since it may affect identification and input for device;

- Ensure the finger is dry and clean when clicking touchscreen;
 - Restart the device to clear any temporary software error.
-

The temperature of device is too high.

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

SAFETY INSTRUCTION

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

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

Guard against electric shock, fire and explosion:

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

Clean Device Surface

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

Other Tips

- In order to prevent damage to the paint layer or the case, please do not expose the device to chemical products, such as the diluent, gasoline, alcohol, insect-resist agents, opacifying agent and insecticide.
- Do not knock on the device with hard objects.
- Do not press the screen surface. Overexertion might cause floppover or damage to the device.
- Please be careful when standing up from the area under the device.
- Do not disassemble, repair or modify the device at your own discretion.
- The arbitrary modification is not covered under warranty. When any repair required, please contact the customer service center.
- If there is abnormal sound, smell or fume in the device, please unplug the power cord immediately and contact the customer service center.
- When the device isn't used for a long time, the adaptor and memory card can be removed and placed in dry environment.
- When moving, please hand over the manual to new tenant for proper usage of the device.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure statement

Indoor Monitor complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Door Camera complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

V1.0
600110187900

 **EASY & SMART
INTERCOM SOLUTIONS**

 **DNAKE**