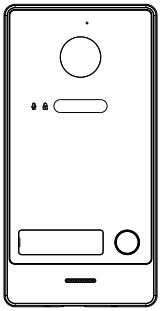
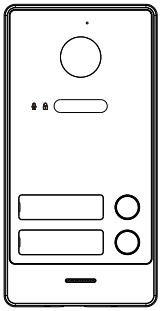
Appearance

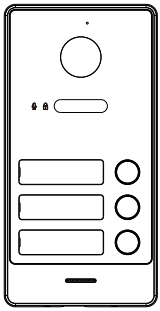
Door Station without Card Reader



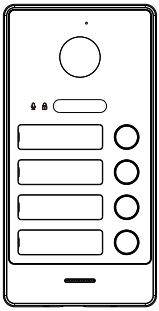
1-Family



2-Family

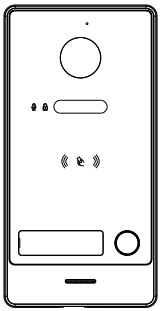


3-Family

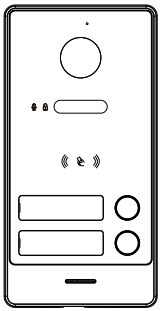


4-Family

Door Station with Card Reader

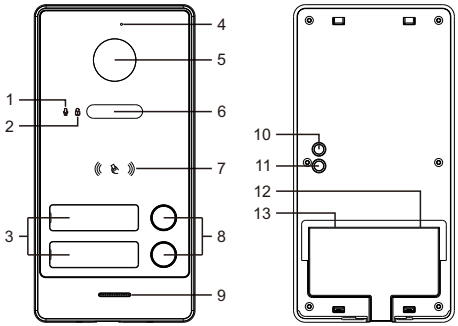


1-Family



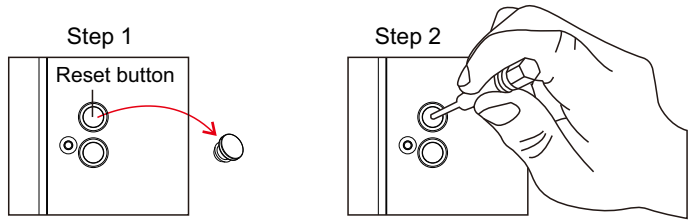
2-Family

Product Introduction



① Talk indicator
② Unlock indicator
③ Nameplate
④ Microphone
⑤ Camera
⑥ Night vision
⑦ Swipe zone
⑧ Call button
⑨ Speaker
⑩ Reset button
⑪ Anti-tamper button
⑫ ⑬ Terminal

Reset button operation



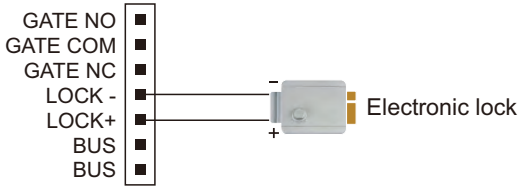
Note:

1. For 1-family door station, please press and hold the RESET button to unpair the indoor monitor.
2. For 2, 3, and 4-family door station: To unpair a user, hold down the user's button and the RESET button until the light turns on and a beep is heard. To unpair all users, hold down the RESET button until the light turns on and a beep is heard.

Wiring diagram

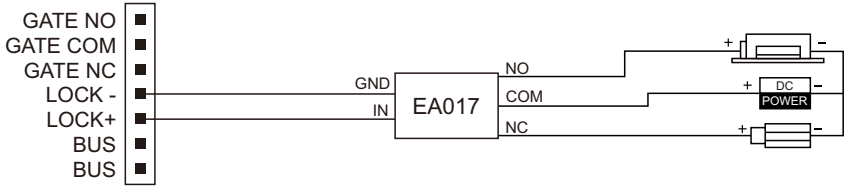
Lock connection:

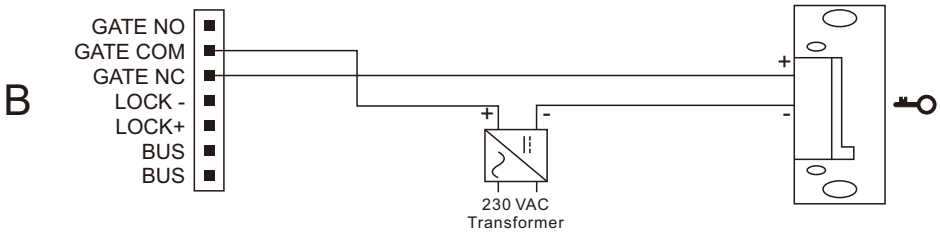
To ensure that the lock can be unlocked by the door station, you should meet the following condition:
The power supply to the lock must not exceed 12V/0.7A .



If the power supply to the lock exceeds 12V/0.7A, it is necessary to connect an external 12V power supply according to the diagram A, or diagram B - in this case.

A

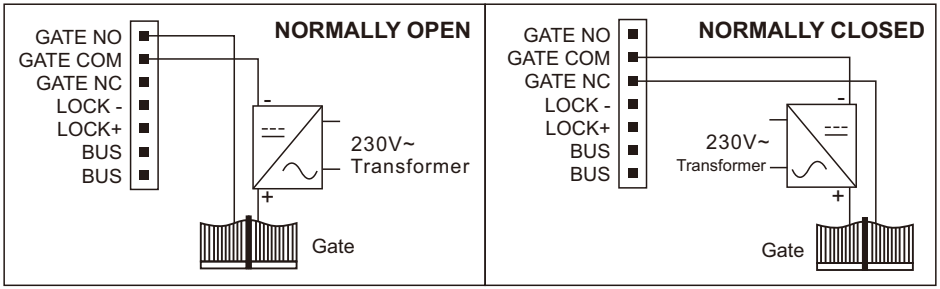




Gate connection:

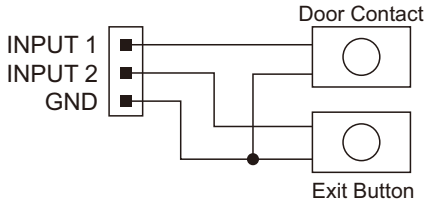
To ensure that the gate can be unlocked by the door station, you should meet the following conditions:

1. The external power supply must be matched to the door opener.
2. The door opener is limited to 30V, the current consumption may be a maximum of 4A.
3. This door opener is activated via the " " on the monitor.



Door contact and Exit button wiring

1. To connect the door contact, connect the wires to terminals INPUT 1 and GND on the back of the door station.
2. To connect the exit button, connect the wires to terminals INPUT 2 and GND on the back of the door station.

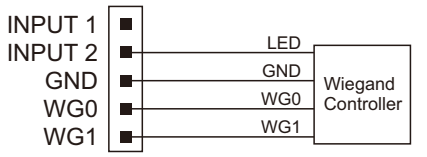


Note:

1. Please make sure to add no voltage on these ports. Extra voltage may destroy the device immediately.
2. When connect the wiegand controller, the exit button is connect to the controller.

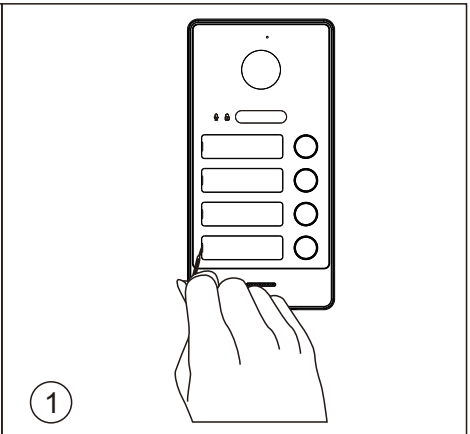
Wiegand controller wiring (Optional)

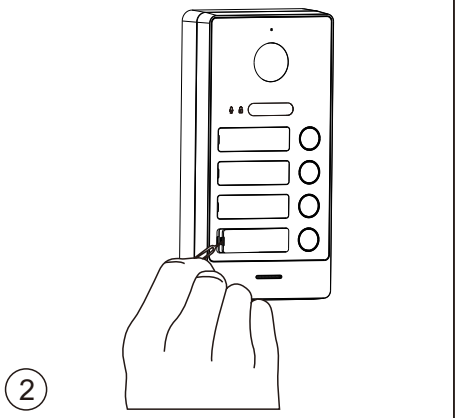
To connect the wiegand controller, connect the wires of the wiegand controller to terminals INPUT2, GND, WG0, WG1. Ports on Wiegand controllers are detailed in the corresponding product specifications.

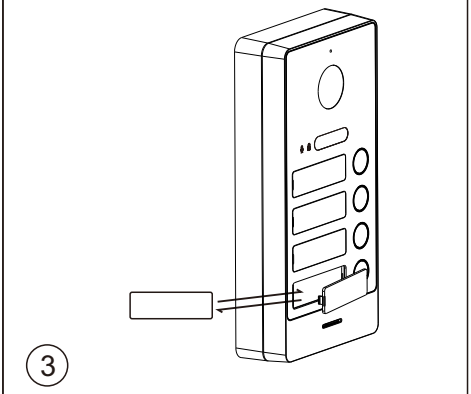


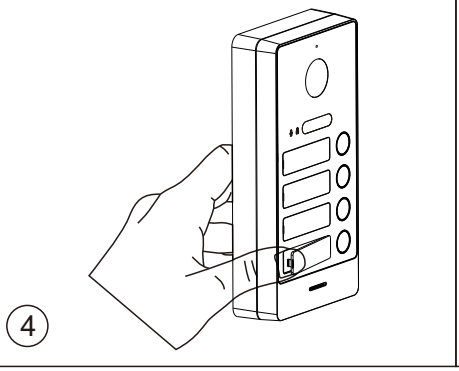
Placing name label

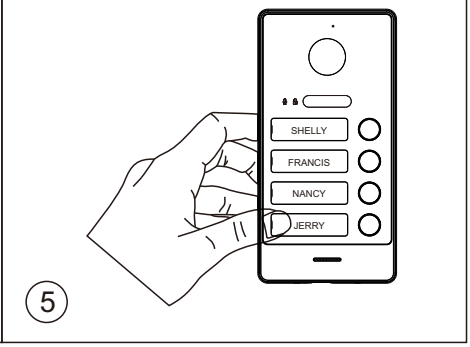
1. Insert the thimble vertically to the left groove of the nameplate.
2. Raise the nameplate to the right side.
3. Replace the nameplate sticker.
4. Put the right side of the nameplate into the right groove.
5. Press down the left side of the nameplate to the right.









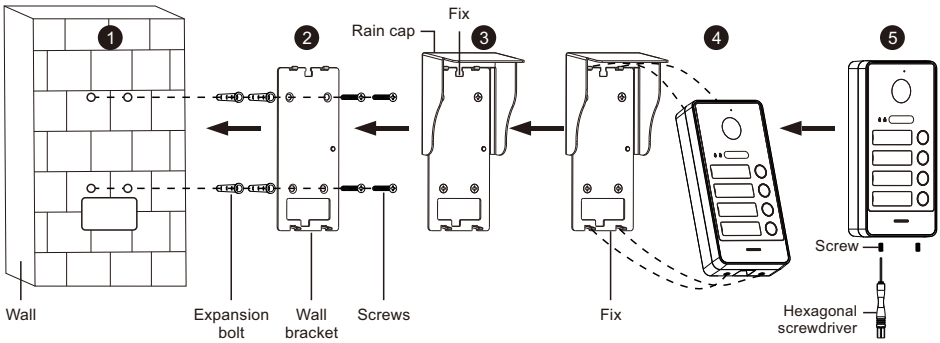


Installation guide

1. Drill screw and cable holes according to the wall bracket.
2. Secure the wall bracket on the wall with 4 supplied screws according to the screw holes.
3. The rain cover is placed in the upper end of the wall bracket.
4. Install the door station to the wall bracket.
5. Fix the device on the wall bracket with the set screw.

Remark:

Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended.



Device basic configuration (Optional)

1. Card management

IMPORTANT:

After the door station is switched on for the first time, short press the “RESET” button. The button light will blink and the speaker will beep. When you swipe an RFID card, a beep will confirm successful authorization as a master card. The master card cannot unlock the door but is necessary for adding or removing user cards. Keep it safe for future use.

1.1 User card registration

Swipe the master card 1 time, then swipe another RFID card, this will be added as a user card. You can continue to swipe other RFID cards to add more user cards. Swipe the added user card again to exit the setting mode when you're done.

1.2 Deleting master and user cards

a. Swipe the master card 4 times in a row, and all user cards and the master card will be deleted, the button backlight will keep blinking and the loudspeaker keeps the beep sound again.

b. If the master card is lost, pressing the “RESET” button on the rear side can also delete the master card and all user cards.

Note:

- You can register up to 1000 user cards with the door station.
- The card reading distance is less than 2cm.
- The door station will exit from setting mode automatically when there is no operation in 30 seconds.
- If you swipe an unregistered card, it will beep twice and the lock will not open.

2. RFID unlock

To unlock the door: In standby mode, when a valid card is swiped, the lock will open for 5 seconds by default.

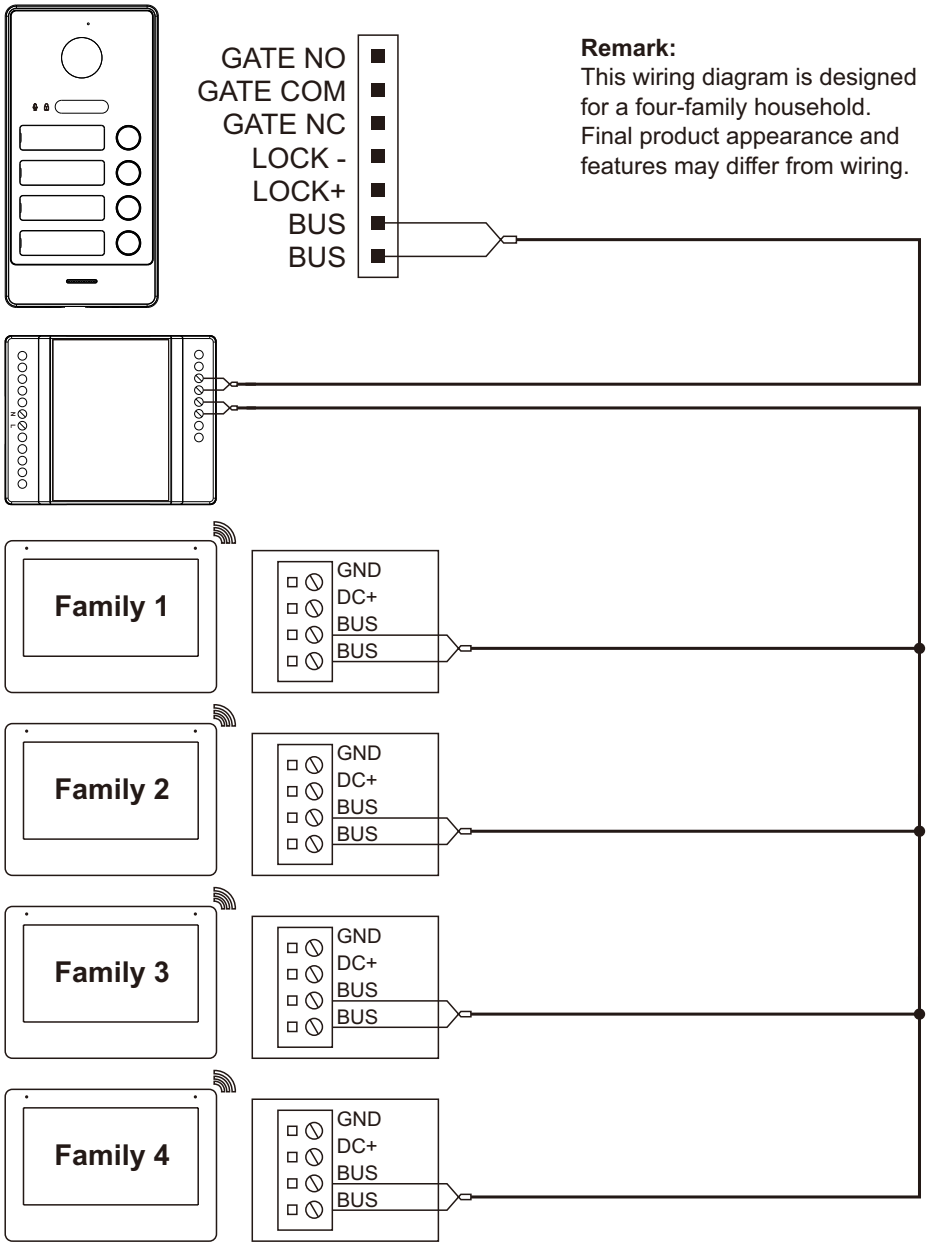
To open the gate: Use the monitor or smartphone APP.

3. Wiegand controller

- The door station can only be used as a Wiegand card reader. The lock is controlled by the Wiegand manager device.
- To enable indoor monitor or app unlocking control, a card registered on the Wiegand manager device needs to be registered as a manager card. This management card cannot be used as a user card to open the door.
- For the first use, the buzzer will sound continuously. The user swipes any Wiegand device registered card on the door station, and upon hearing a beep, it indicates successful card registration and waits for 30 seconds before exiting the card reading mode.

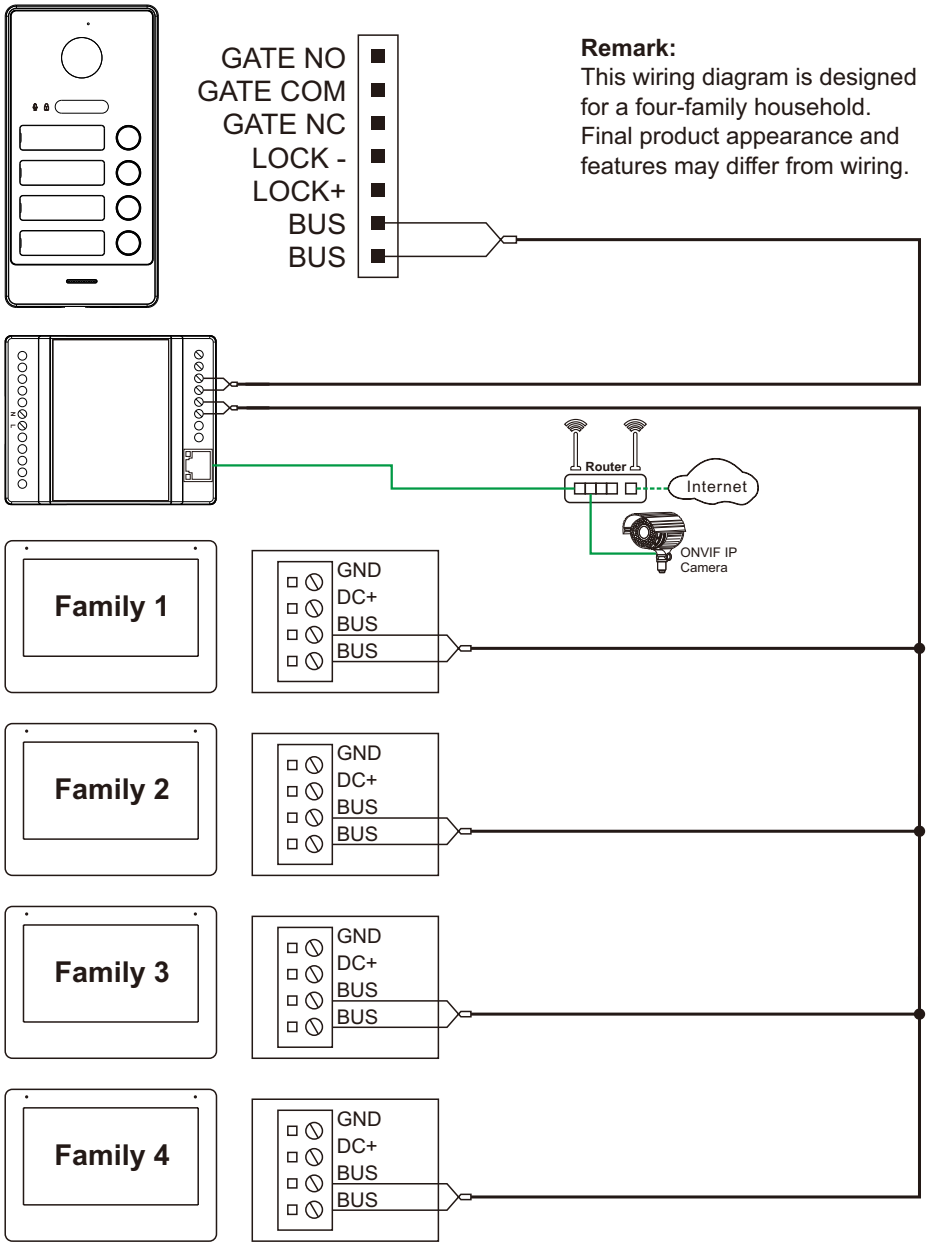
  Note: If the door station has registered the management card before connecting the Wiegand manager device, you need to reset the door station and then follow the above steps.

Wiring diagram - WiFi connection



Remark:
This wiring diagram is designed for a four-family household. Final product appearance and features may differ from wiring.

Wiring diagram - LAN connection



Remark:
This wiring diagram is designed for a four-family household. Final product appearance and features may differ from wiring.

Wire distance

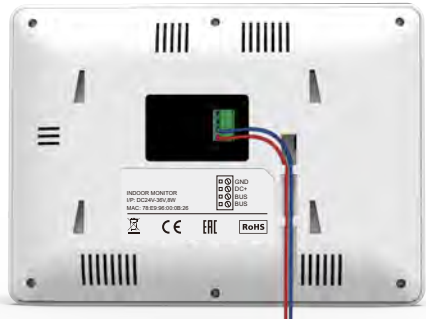
Cable type	1 Door station + 1 Monitor		1 Door station + 2 Monitors		1 Door station + 3 Monitors		1 Door station + 4 Monitors	
	L2 (M) (MAX)	L1 (M) (MAX)	L2 (M) (MAX)	L1 (M) (MAX)	L2 (M) (MAX)	L1 (M) (MAX)	L2 (M) (MAX)	L1 (M) (MAX)
CAT5	235	135	235	70	235	-	235	-
CAT6	300	175	300	90	300	60	300	45
Telephone line (HBV) 2*0.2mm^2	235	135	235	70	235	-	235	-
Parallel pair cable 2*0.3mm^2	300	220	300	110	300	75	300	55
Parallel pair cable (BVVB) 2*0.5mm^2	300	300	300	180	300	125	300	90
Parallel pair cable (BVVB) 2*0.75mm^2	300	300	300	260	300	190	300	130
Parallel pair cable (BVVB) 2*1mm^2	300	300	300	300	300	250	300	185
Twisted cable (ZC-RVS) 2*0.5mm^2	300	300	300	180	300	125	300	90
Twisted cable (ZC-RVS) 2*0.75mm^2	300	300	300	260	300	190	300	130
Twisted cable (ZC-RVS) 2*1mm^2	300	300	300	300	300	250	300	185

Remark: 1. L1: From monitor to power; L2: From door station to power.
2. The same BUS should use the same wire with same specification.

Connect the door station and monitors

Connect the door station and the monitors as shown in the diagram using a two-wire cable. Refer to the table for possible cable types and permissible distances between the monitors and the door station. Connect the power supply to the monitors.

Use the "7P Connecting Terminal base" to connect the panel. Connect the two-wire cable to the BUS terminals (polarity does not matter). Use the wiring diagram to connect the electric lock and other devices.

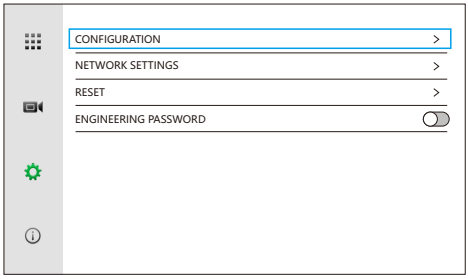


To connect the monitor, connect a two-wire cable to the BUS terminals (polarity does not matter).

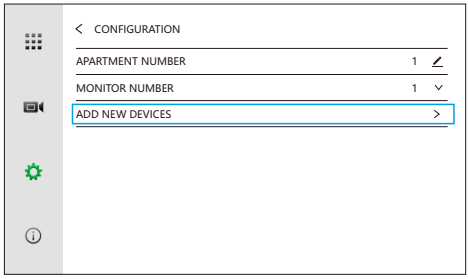
- 1-Family Door Station: When the monitor and door station are connected, they will automatically link up within 1-2 minutes after power is applied.
- 2, 3, and 4-Family Door Station: Follow the steps below to connect each monitor to its corresponding button. Each button represents a separate household, and room numbers must be unique and not repeated.
- If the connection is not established within 1-2 minutes (and you cannot make a call), verify the connections. If necessary, perform a RESET on both the door station and the monitor to re-establish the connection.

Setup First family (first monitor)

Step 1: Click in the main interface of indoor monitor to enter setting interface → Click → Click **CONFIGURATION** → Click **ADD NEW DEVICES**. (pic. 1-2)

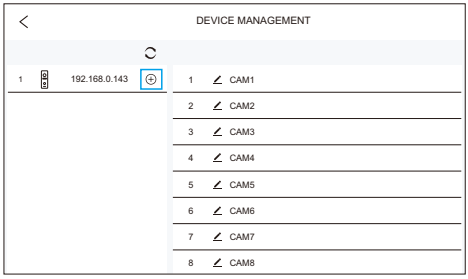


Picture 1

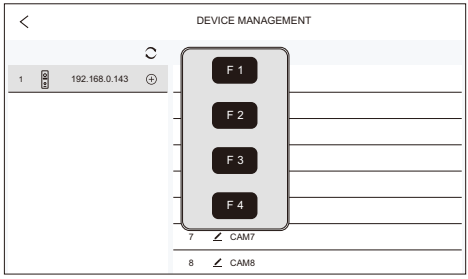


Picture 2

Step 2: Click on the door station need to be added in the device list. Choose F1 (pic. 6) for the top button or F4 (pic. 6) for the bottom button of the door station. (pic. 3-4)

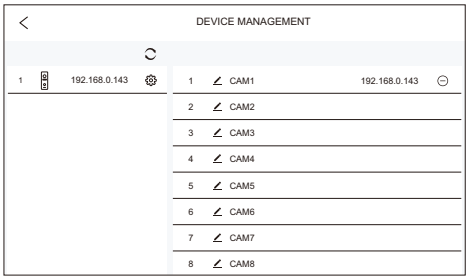


Picture 3

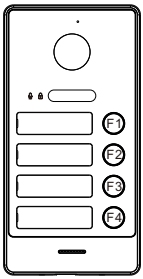


Picture 4

Step 3: After successfully adding, the device address will be displayed on the right (pic. 5).



Picture 5

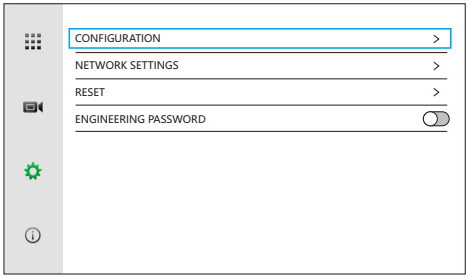


Picture 6

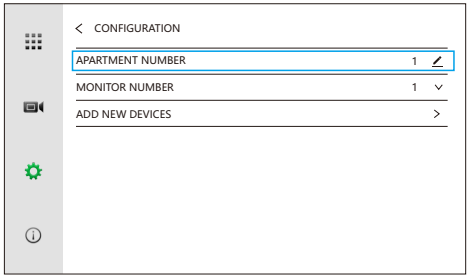
Setup other families (other monitors)

Step 1: Click in the main interface of indoor monitor to enter setting interface → Click → Click **CONFIGURATION**.

Step 2: Set the **APARTMENT NUMBER** to 2&3&4. (There is no need to modify the MONITOR NUMBER.)



Picture 1



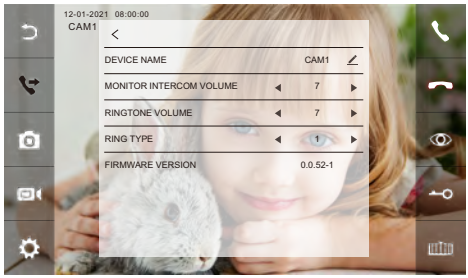
Picture 2

Step 3: Perform the same steps of the first family for the other families.

Channel administration

Click in the main interface of indoor monitor, then click to enter setting interface of door station.

Picture 1



Picture 2

Table of contents	Selection	Note
DEVICE NAME		Modify the display name of the door station in the indoor monitor.
MONITOR INTERCOM VOLUME	0-9	Adjust the volume of the speaker of the indoor monitor.
RINGTONE VOLUME	0-9	Adjust the ringtone volume of the door station.
RING TYPE	1-13	Adjust the device's calling ringtone.
FIRMWARE VERSION		Firmware version of the door station.

Main specifications

Apartment	1/2/3/4
Angle of view	125° / 150° (Optional)
Video compression standard	H.265 (default), H.264
Night vision	Smart IR
Gate	NO/NC (MAX AC/DC30V 4A)
Output unlocking	NO: MAX DC12V 160mA (Transient current: 700mA-40ms)
Wiegand 26/34 output (Optional)	Set via the web
Tamper alarm	Support
Connection	2 wire BUS
RFID (Optional)	125KHZ/Em marine/Supports ISO/IEC 18000-2 type A (ID) (Optional)
	13.56MHZ/Mifare/Supports ISO/IEC 14443 type A 106kb/s (IC) (Optional)
	Number of user cards supported: 1000
	Card reading distance: ≤2cm
Protection grade	IK07; IP65
Power supply	DC24-36V,8W
Working temperature	-30°C to +60°C (-22°F to +140°F)
Working humidity	10%RH – 90%RH (non-condensing)

Note

- Thank you for purchasing our products.
- The products are subject to change without prior notice.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.
- Please carefully read this user's guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The guide is for reference only. If there is inconsistency between the guide and the actual product, the actual product shall prevail.