Door Station User's Manual

DPC-IP100

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1 Overview

Connect the device to the power, the system booted up properly. It goes to the standby interface. See Figure 1-1.

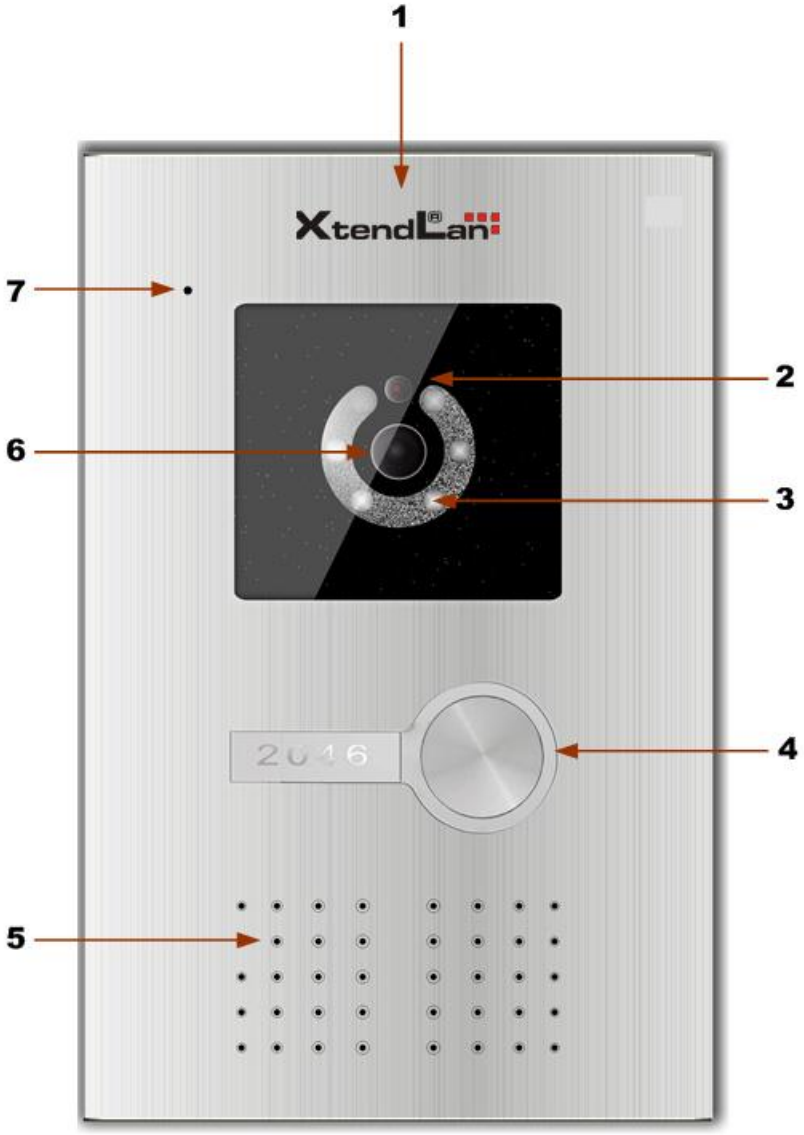


Figure 1-1

Please refer to the following sheet for detailed information.

SN	Name	Function
1	Logo	XtendLan LOGO
2	Photosensitive Component	It can detect the environment light. It is a compensation light option.
3	Compensation Light	It can compensate the camera light in the low illumination environments.
4	Button	Call button. Click it to generate a cal to the indoor station. It has the blue

		backlight.
5	Speaker	Audio output
6	Camera	It is to monitor the video of the door.
7	Microphone	Audio input

2 Basic Functions

2.1 Call Residents

2.1.1 Call Status

In the standby status, press the call button. You can generate a call to the resident indoor station. The indoor station bell rings.

2.1.2 Communication status

After you generated a call to the indoor station, if there is response, you can go to the communication status. It can realize the dual-way video phone. It returns to the standby interface after the dialogue ended.

2.2 Monitor Function

The indoor station can enable the monitor function of this device. You can open the camera and monitor the device video.

2.3 Unlock Function

2.3.1 Unlock During the Dial Process

During the dial process, the indoor station can open the e-lock of the device remotely. There is a 15-second for you to confirm the unlock operation. During these 15 seconds, the video is properly displayed. After the 15 seconds countdown, system auto hangs up and returns to the standby interface.

2.3.2 Unlock During the Communication

During the communication process, the indoor station can open the e-lock of the device remotely. There is a 15-second for you to confirm the unlock operation. During these 15 seconds, the communication is OK and the video is properly displayed. After the 15 seconds countdown, the phone automatically hangs up.

2.3.3 Unlock During the Monitor Status

During the monitor status, the indoor station can open the e-lock of the device remotely. There is a 15-second for you to confirm the unlock operation. During these 15 seconds, the video is properly displayed. After the 15 seconds, the video automatically disappears.

2.3.4 Unlock via ID card (Optional)

The door is open after you passed the authentication ID card and passed the station verification.

2.4 Environment Light Compensation Function

This device has the light compensation function when it is in the low illumination environments or it is at night. It includes the button backlight and the camera compensation light.

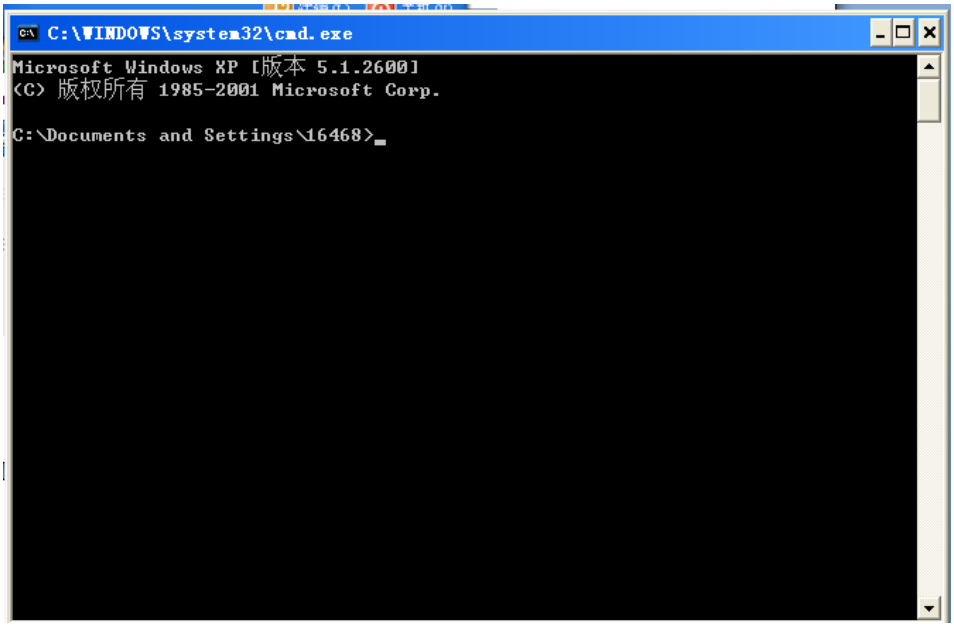
2.5 External Alarm Function

The device has 1-channel alarm input. They can be used for the door status and other alarm detect.
It has 1-channel alarm output. There are two modes: NO/NC.

3 Changing IP address

1..run ’ cmd’

1).open

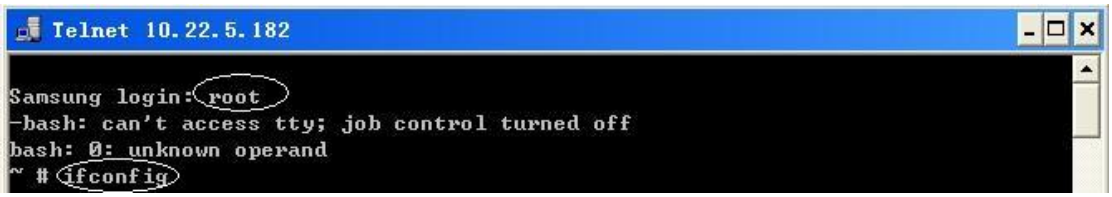


2.Input ‘telnet ’ device IP(e.g.10.22.5.182)

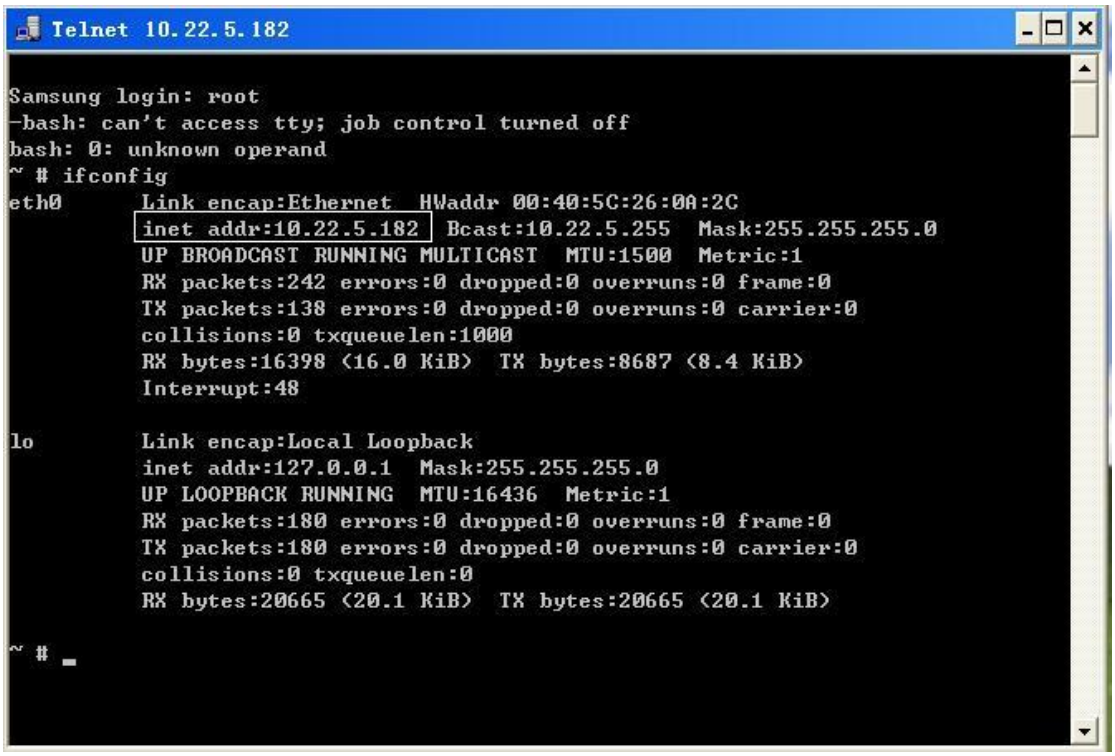
Then press ’ Enter’ key

3.Username: root

Press ‘Enter’ key

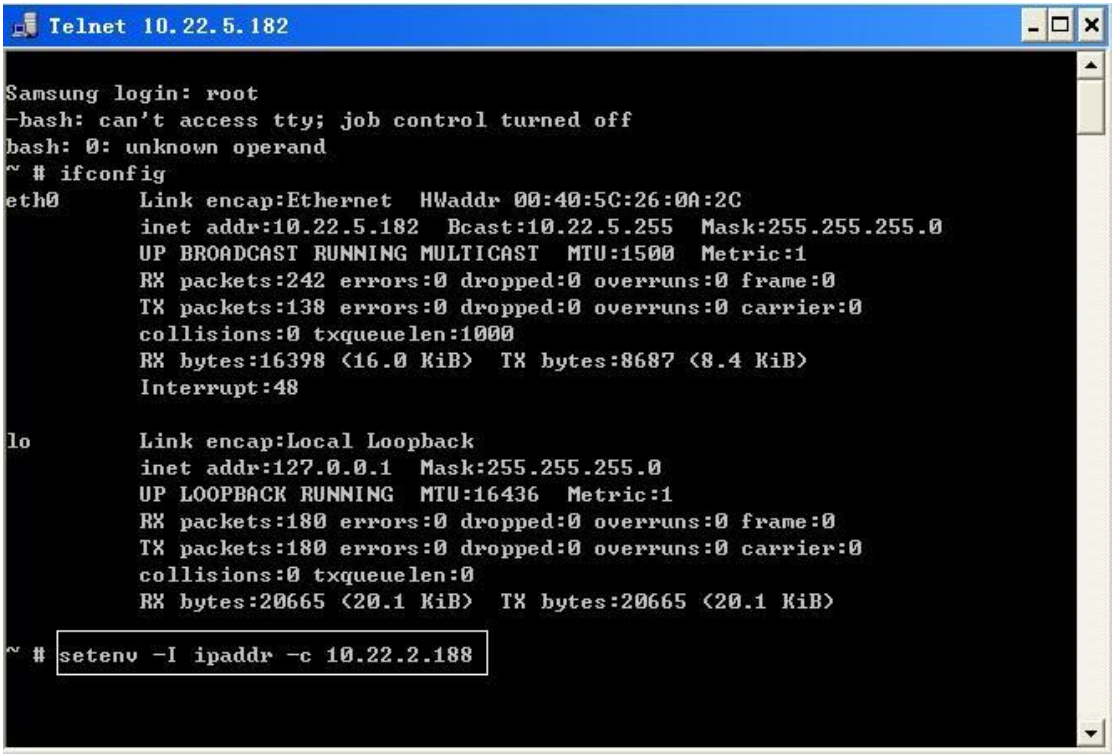


Then input ifconfig



4. If want change the IP to 10.22.2.188

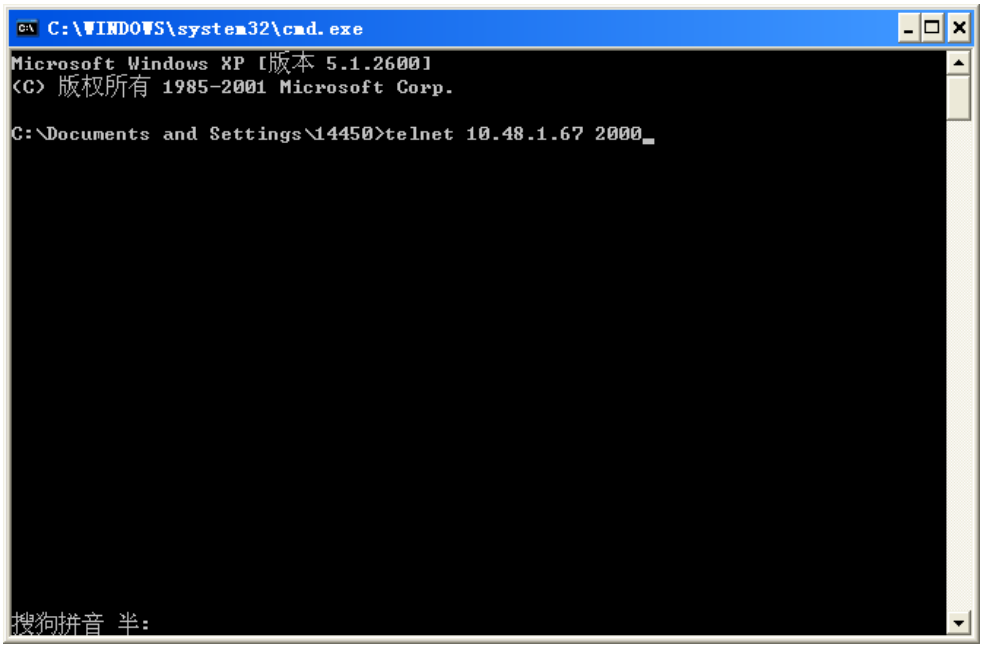
Can input: setenv –I ipaddr –c 10.22.2.188

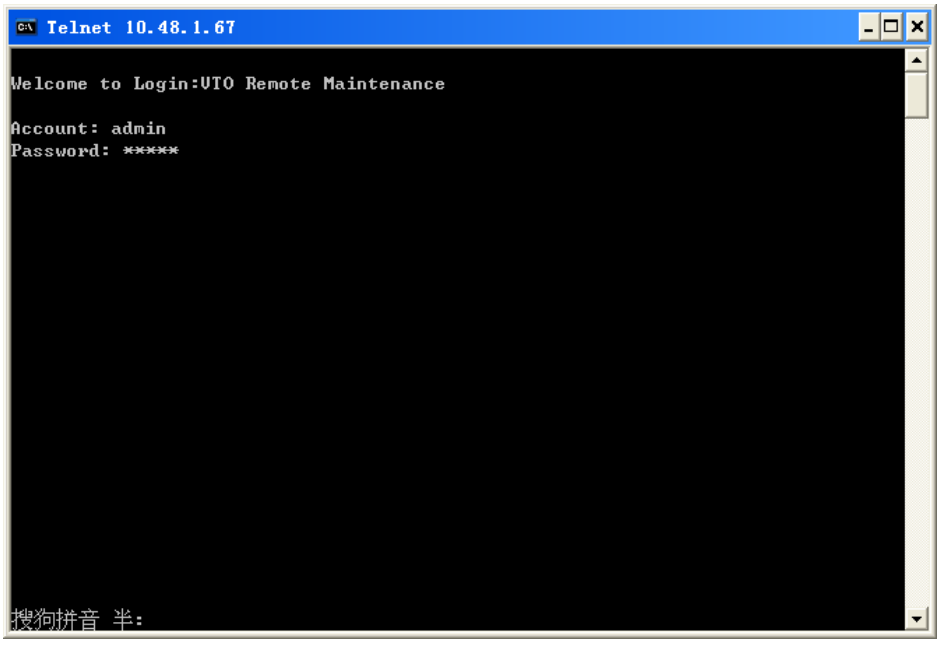


5. The last step: Input 'reboot' or device is rebooted itself automatically.

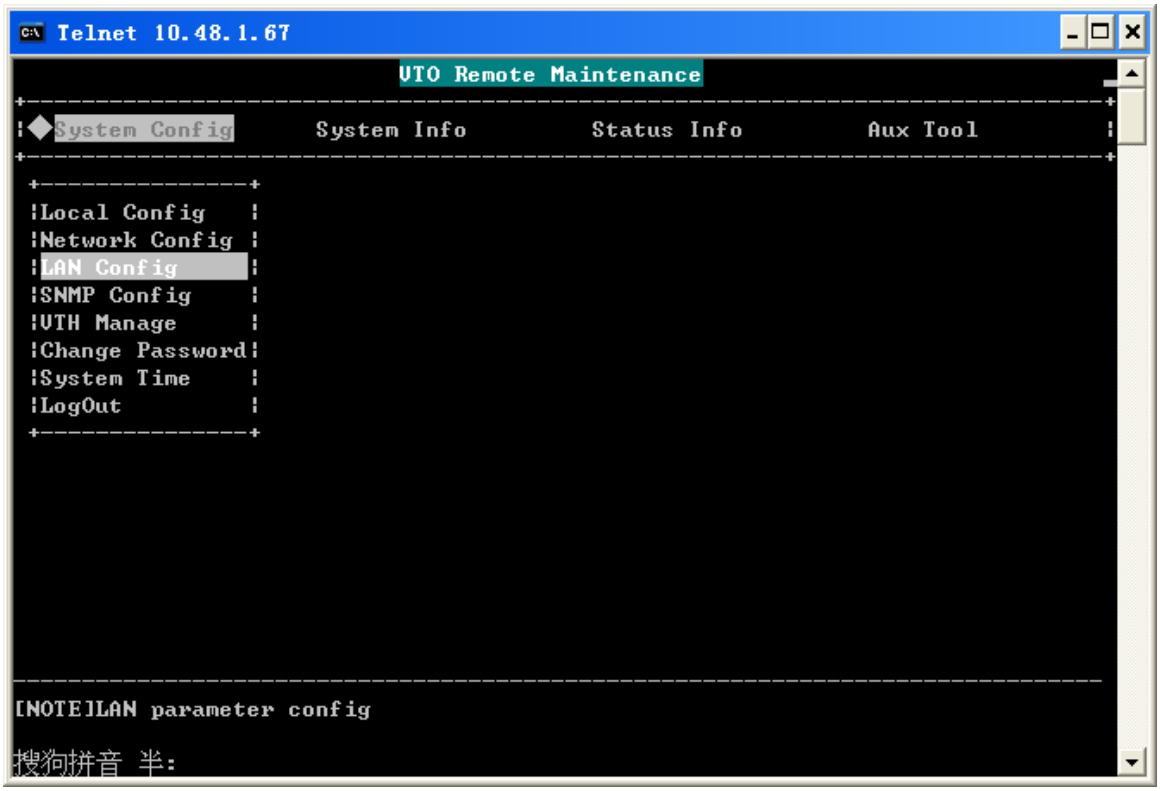
4 Config the ‘group call funtion’

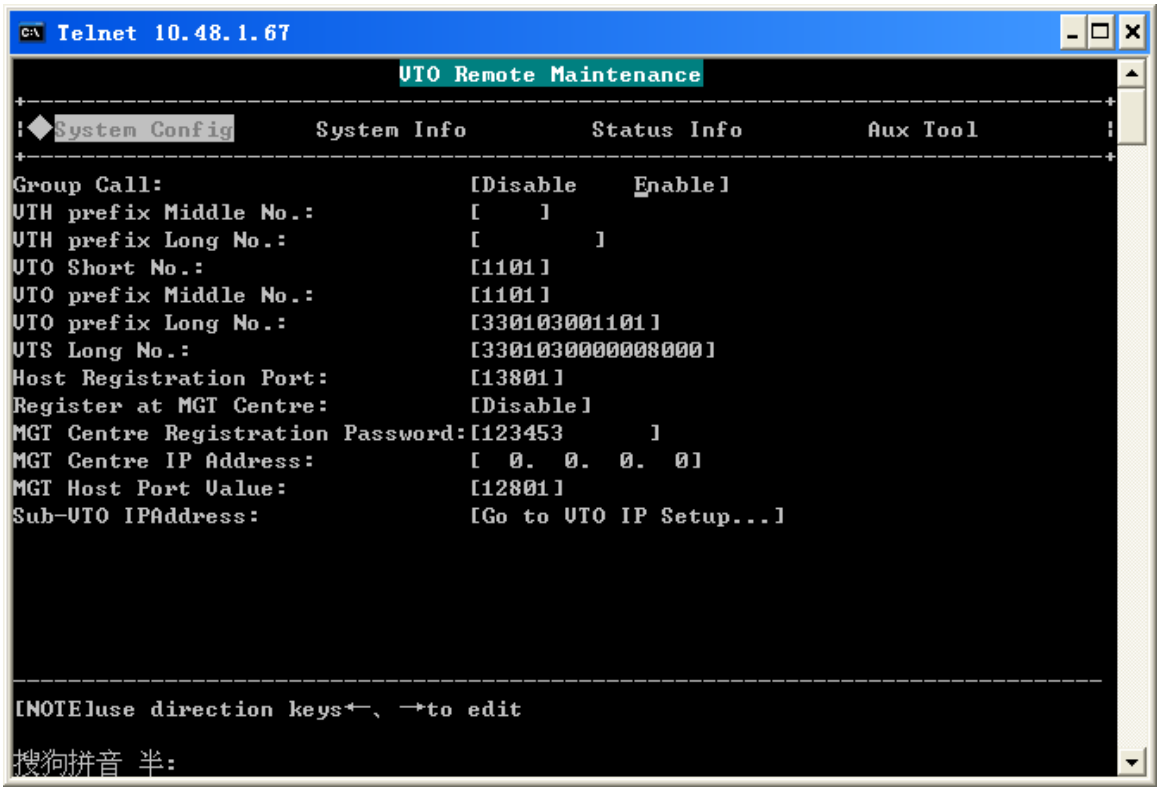
1. cmd：telnet outdoor station IP 2000　username ： admin　Password：admin

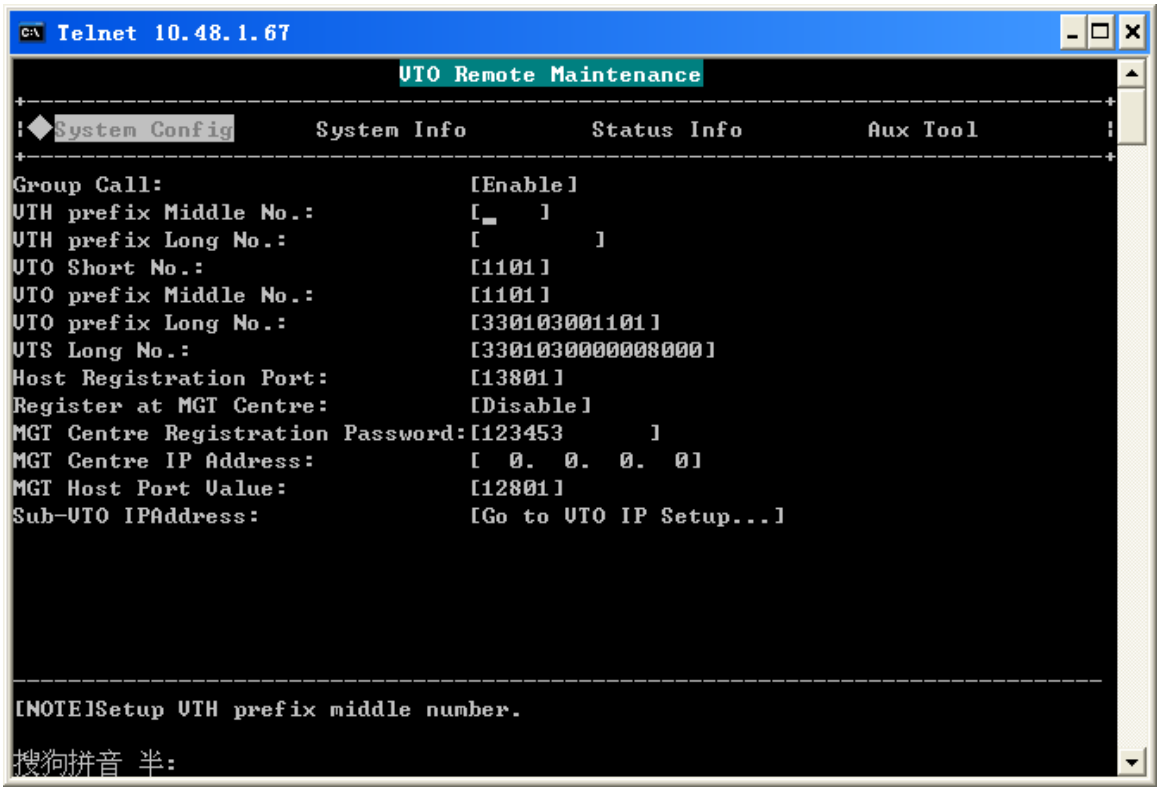




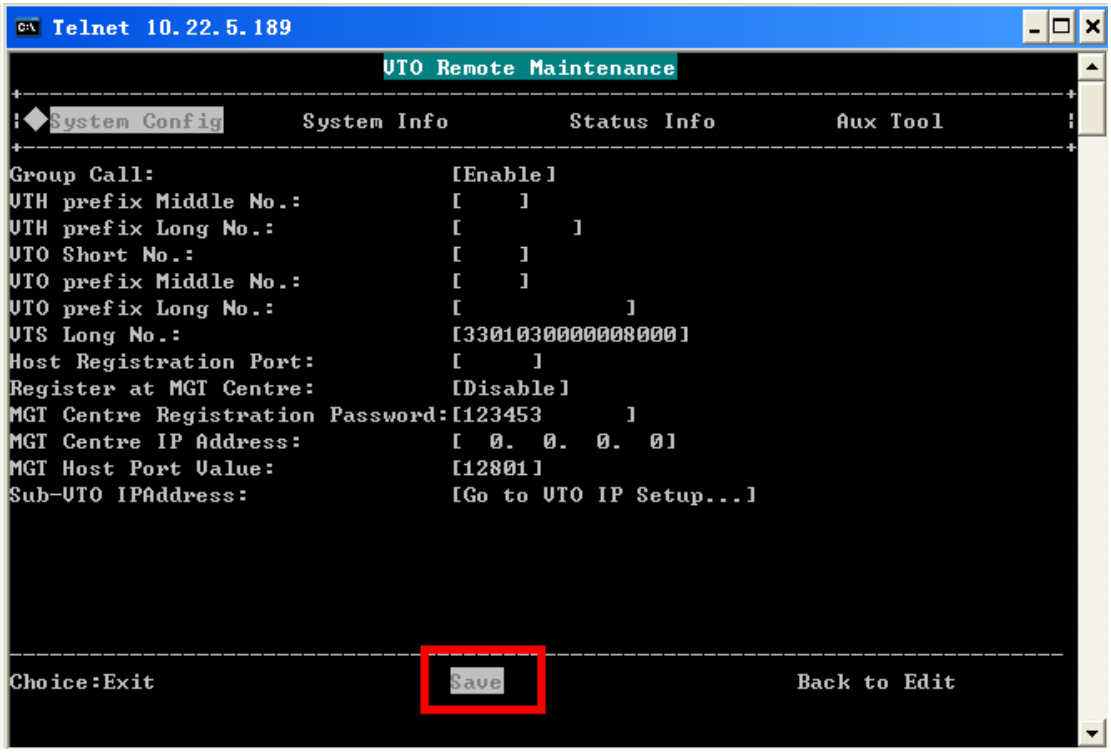
2、LAN Config: Group Call ： Enable (After choose ‘Enable’, restore the station)





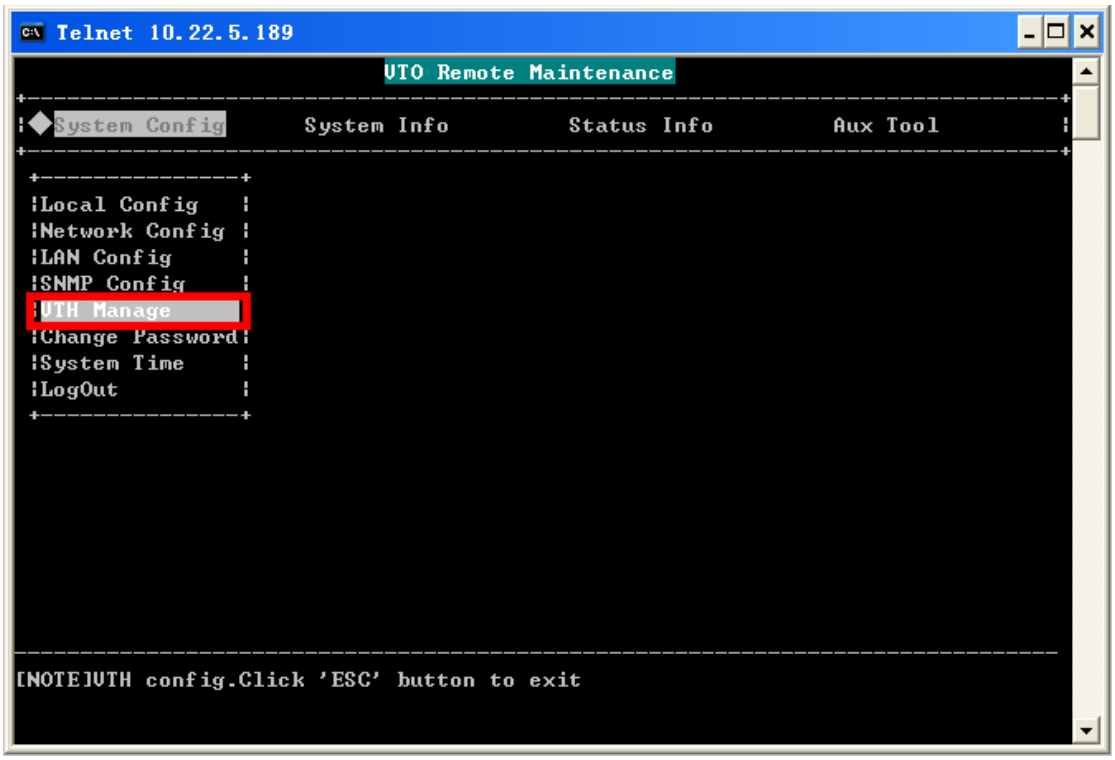


After config, please click the 'Save'

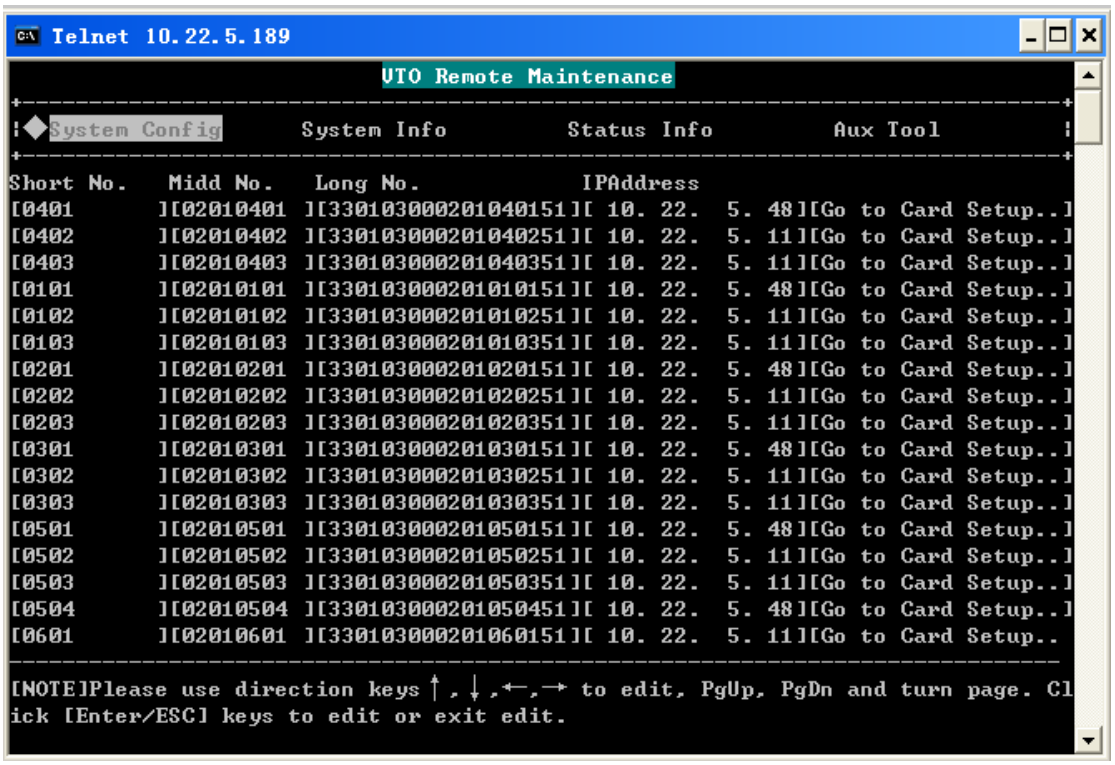


Add the room number:

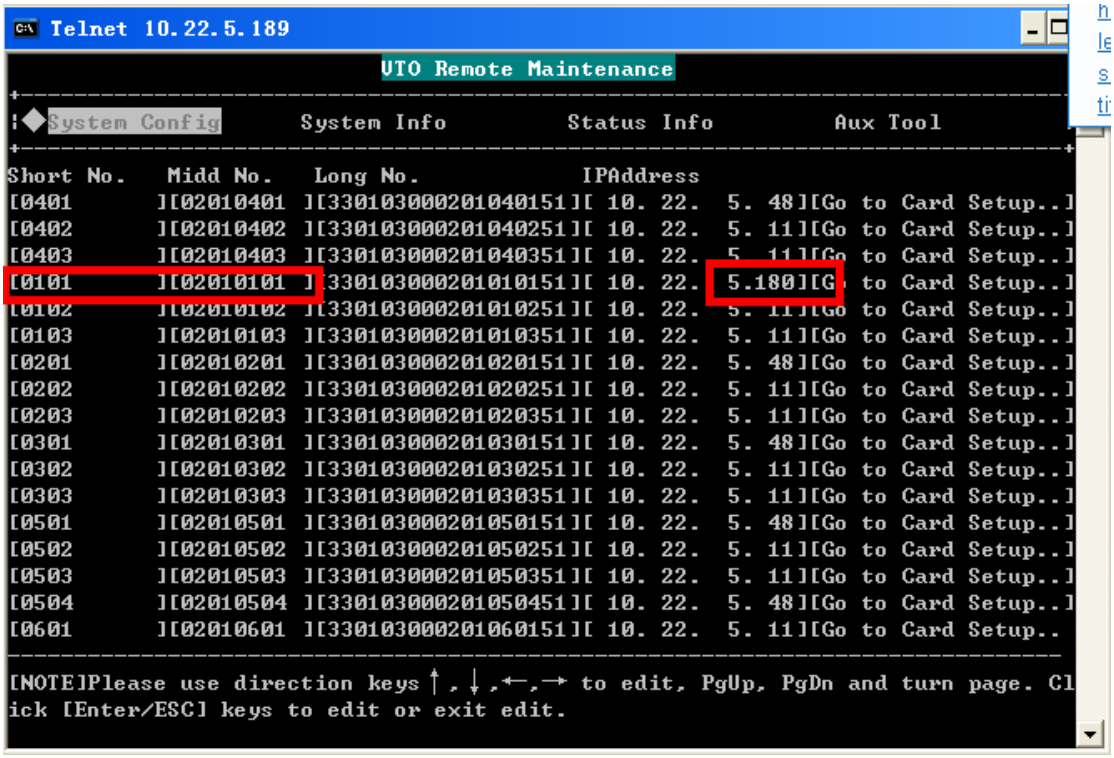
Choose the 'VTH Manage',click the 'Enter'



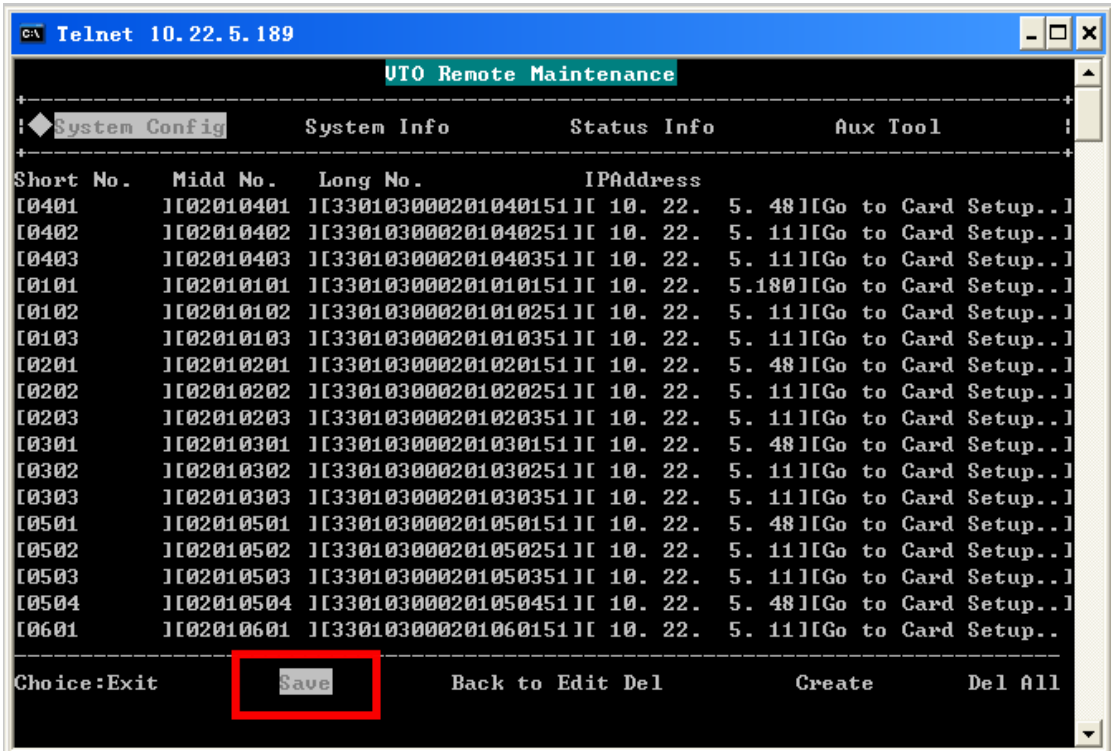
Get this interface:



Then can config the room number here.



After add the new monitor, press the 'Esc' on the keyboard,choose the 'save'



5 Specifications

Model	DPC-IP100
OS	
Main Processor	Embedded micro processor
OS	Embedded LINUX OS
Video	
Video Compression Standard	H.264
Input/Approaching induction	1/3-inch color CCD camera，540 TVL，0.1lux/F1.2
Night Vision	Support
Audio	
Input	Microphone
Output	Built-in speaker
Bidirectional Talk	Support dual-way bidirectional talk
Operation Mode	
Input	One button input(With backlight)
Card	Built-in ID card induction reader(Optional)
Alarm	
Input	1-channel
Output	1-channel
Vandal proof	Support(Optional)
Locker Status Detect	Support (Optional)
Network	
Ethernet	10M/100Mbps Self-adaptive
Network Protocol	TCP/IP
Storage	
Memory	128MB
Others	
Power	DC 10~15V
Power Consumption	Standby≤1W ； work≤10W
Working Environments	-10℃~+55℃
	＜10~90%RH
Dimensions	230mm*151mm*60mm（L*W*H）
Weight	0.96kg

6 Device Port

The device rear panel is shown as in Figure 6-1.

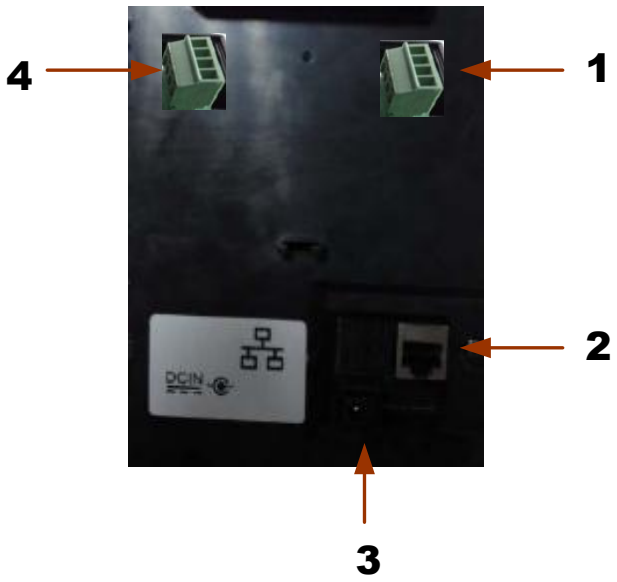
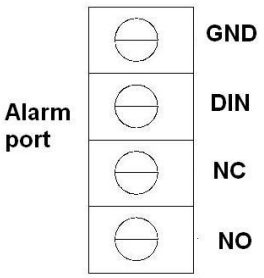
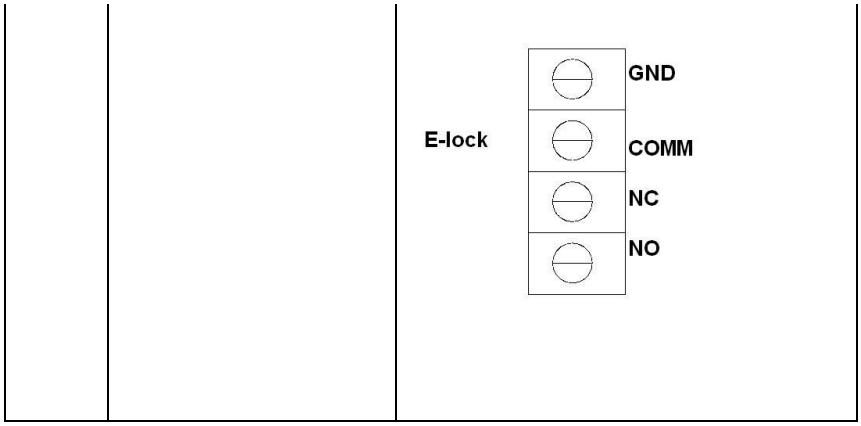


Figure 6-1

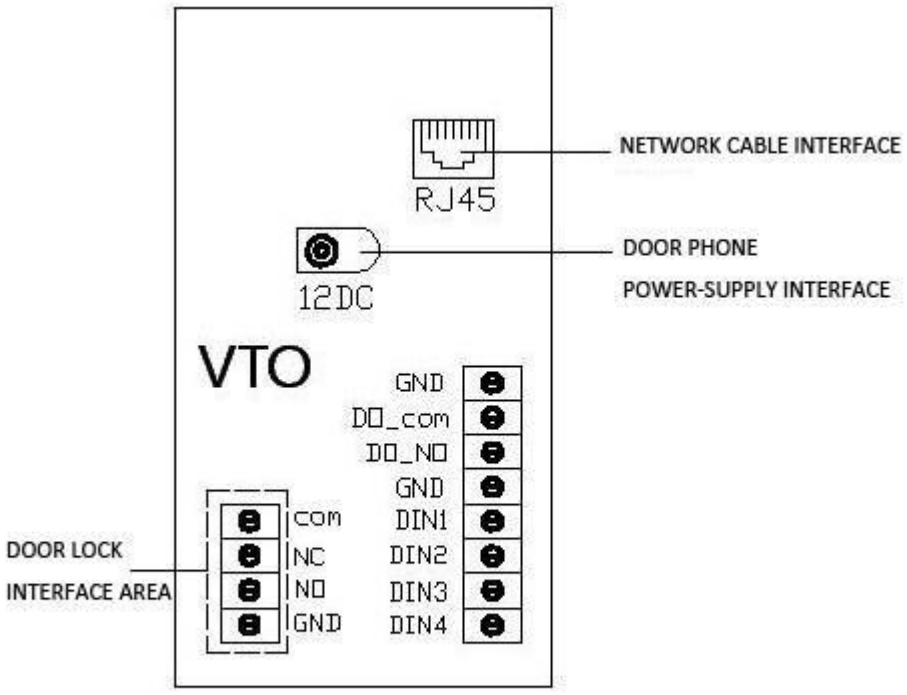
Please refer to the following sheet for detailed information.

SN	Port Name	Function
1	Alarm port	Connect to alarm signal. 
2	Network Port	Connect to the RJ45 port.
3	Power Port	Connect to 12V DC.
4	E-lock control port	Connect to cable



Door Lock Control

Door phone is designed to be able to control the door lock. Figure 1 is its rear panel diagram.



The interface “12DC” is for the power supply interface; “RJ45” for network cable; “door lock interface area” for electric lock. This user’s manual is based on electric lock. Figure 2 is the outward appearance of the electric lock.

Figure 2

Figure-3 is the connection diagram of the connection between door phone and electric lock.

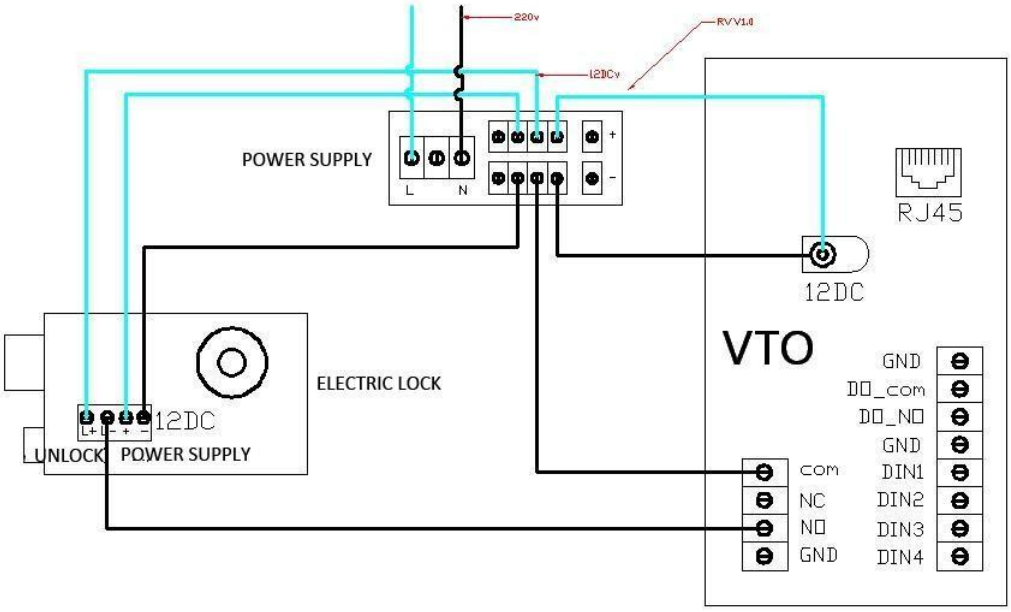


Figure 3

It is a transformer power supply, 220V AC is to be connected to L and N respectively to transform and then output 12 DC in order to supply power for the door phone and electric lock. The electric lock has four binding posts, two are power-supply binding posts, and the other two are unlock binding posts. There are four terminals in the unlock interface area of the door phone, namely, COM terminal, NC (electricity-on unlock), NO (electricity-off unlock) and GND. Connect the L+ of the electric lock to the DC 12V positive pole; L- to the NO; then the COM to DC 12V negative pole.

Note:

1. The power-supply cable RVV2*1.0 is adopted for the door phone and electric lock both.
2. User can select either NC or NO to connect according to actual requirements.

7 FAQ

- Q：I can not boot up the device, or I can not see the light or hear the audio.
  A： Please check your power cable connection and socket connection.

- Q： I can not call.
  A： Please check your network connection. Please make sure your station and extension cable connection is OK.

- Q：The prompt says the dial number does not exist. What shall I do?
  A：Please check the dial number is OK or not.

- Q：The system says the card is invalid. What shall I do?
  A：The card status is abnormal. Please contact your administrator to check.

- Q： The system says the card number is wrong. What shall I do?
  A： It means current card does not authenticate. Please contact your administrator to check.

- Q： I have some problems, I am not so sure or I can not fix.
  A：Please contact your local retailer for help.

Note:

- **This manual is for reference only. Slight difference may be found in user interface.**
- **All the designs and software here are subject to change without prior written notice.**
- **If there is any uncertainty or controversy, please refer to the final explanation of us.**
- **Please visit our website or contact your local service engineer for more information.**