

NETMATE II

UPS SNMP/Web Adapter

User's Guide

Limited Warranty

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Directory

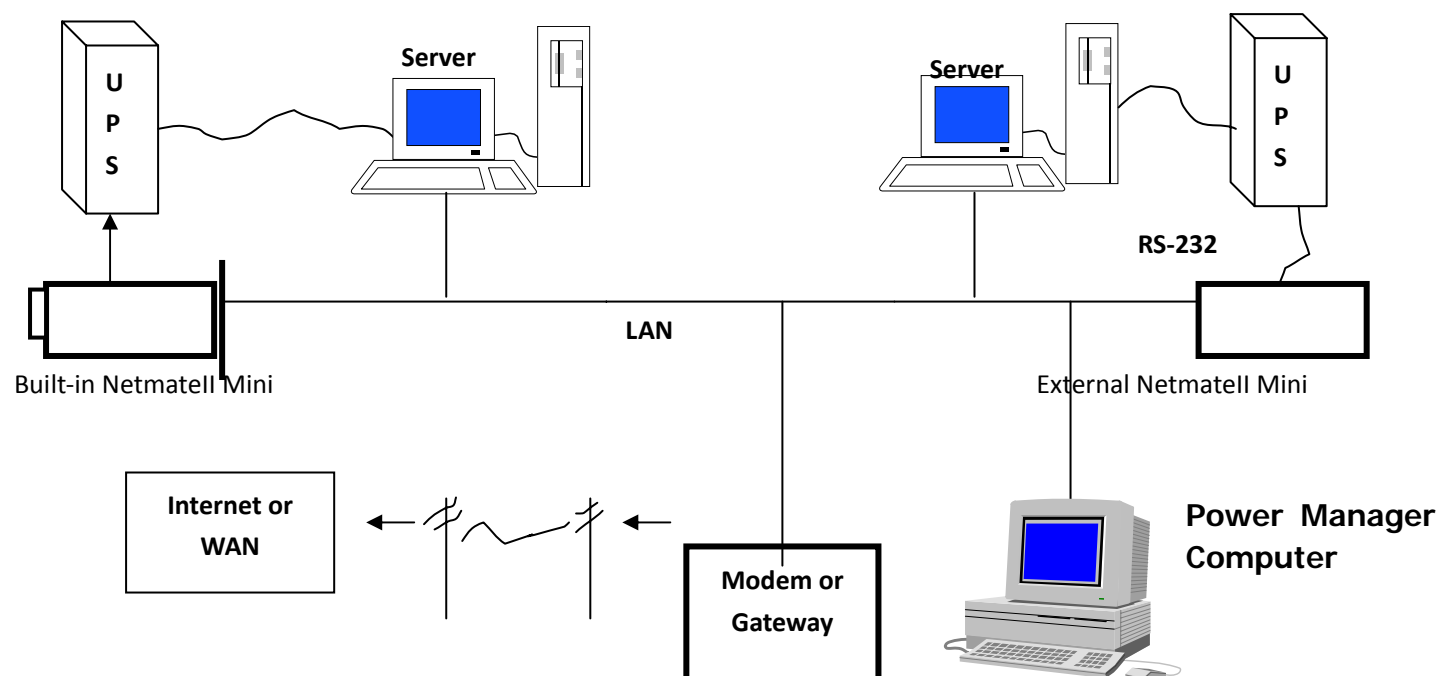
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1、System Requirement

- A smart UPS have a RS-232 communication interface;
- A computer with one RS-232 serial port and one 10M base-T Ethernet adapter for initial configuration;
- An available physical connection to an existing network;
- Use in network monitoring、manage UPS and building environment or ancillary equipment extended function(can select)

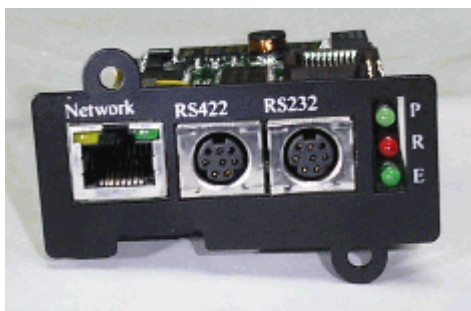
NOTICE:Please read this manual before setting up the Netmatell.

2、UPS network remote monitoring and manage mimetic diagram



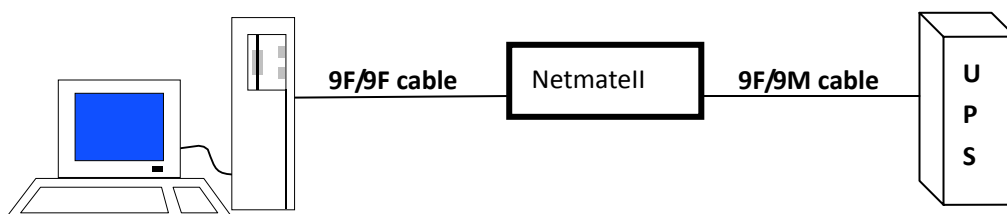
3、Netmatell Interface and installation

3.1、Netmatell Interface



- P:: Power guiding light;
- R:: Run guiding light, normal working when the green light is twinkling state;
- E:: Equipment state guiding lights ,the green light often lights when the equipment is connecting,the red light flicker when the equipment disconnection;
- RS232:: The RS232 serial communication interface(or PPP communication interface)be used to configure parameter;
- RS422: RS422 is used to extend inspect control environment or other equipments;
- LAN:: Interface of UTP 10/100M RJ45 Ethernet;

3.2、Install Netmatell



Please connect the computer, Netmatell and the UPS as in the above drawing . Connect the serial port of the computer and the RS232 serial port of the Netmatell with the 9F/9F RS232 communication cable;Connect the 9F/9F RS232 communication cable to the serial port of the UPS and the other to the DEVICE port

of the Netmatell. Besides, use a utp to link the Netmatell entering network.

4、Configure NetmateII

The NetmateII Configure way has three types , they are serial port terminal configuration 、Telnet remote network configuration and passing built-in Web configuration. Following we introduces three kinds of the configuration.

4.1、serial port terminal configuration

Serial port configuration that we introduce mainly how to use super terminal.

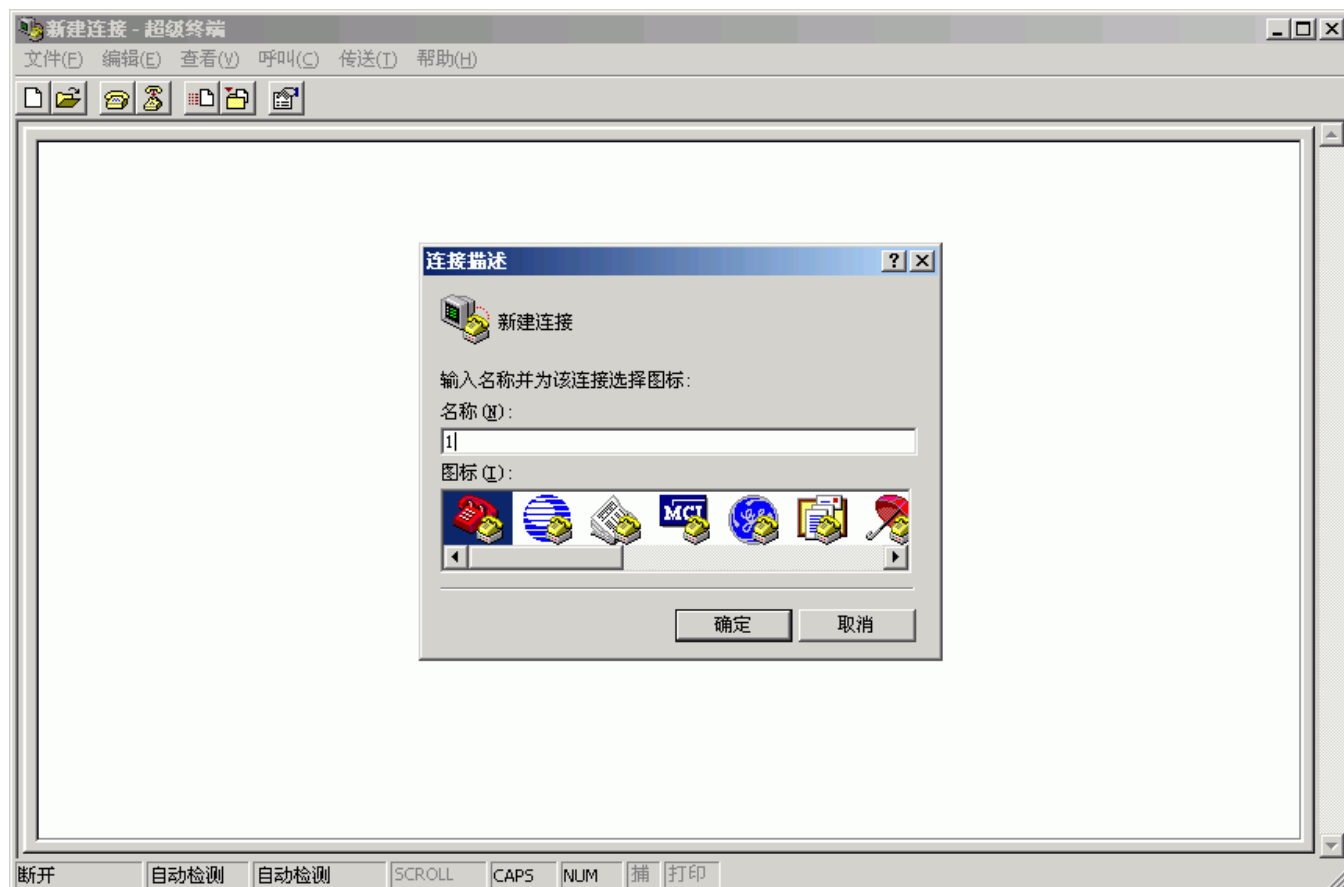
when the first time deploys Netmatell,because of the network condition not knowing, can not thought the web to configure ,so must use Serial port configuration.

4.1.1、Log in NetmateII

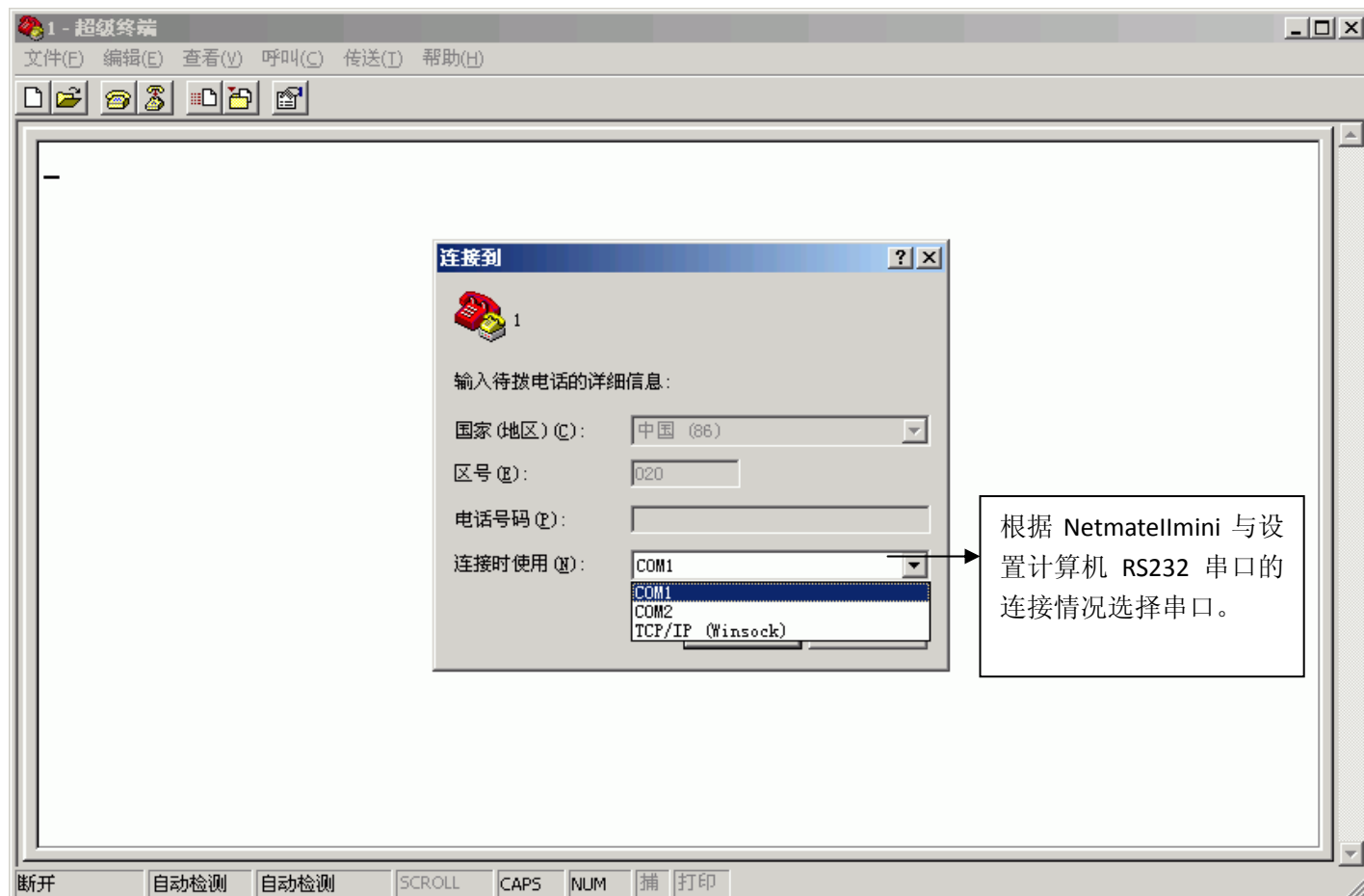
Open the Super Terminal,, as follows::



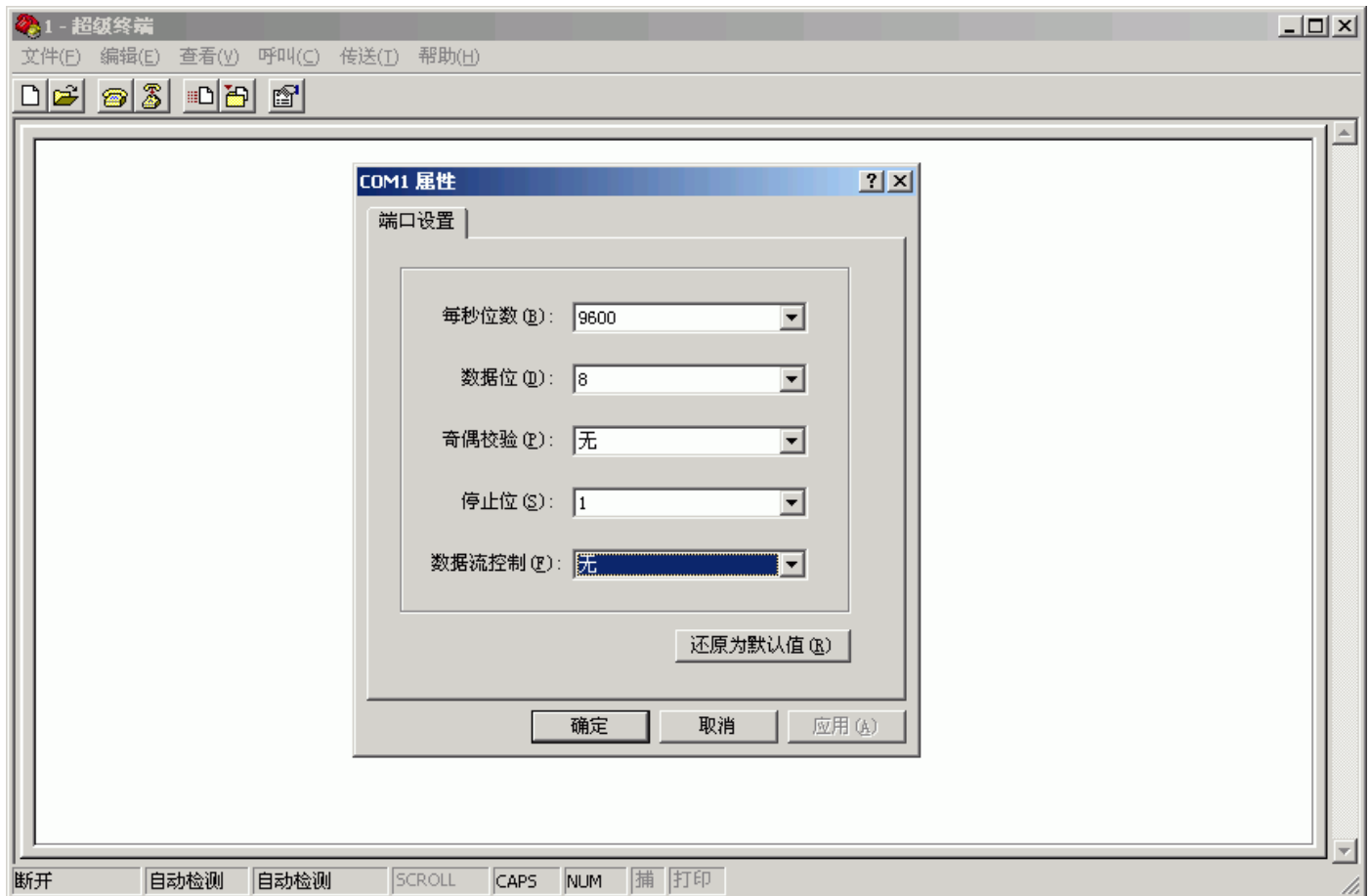
As required to set up one name,as follows:



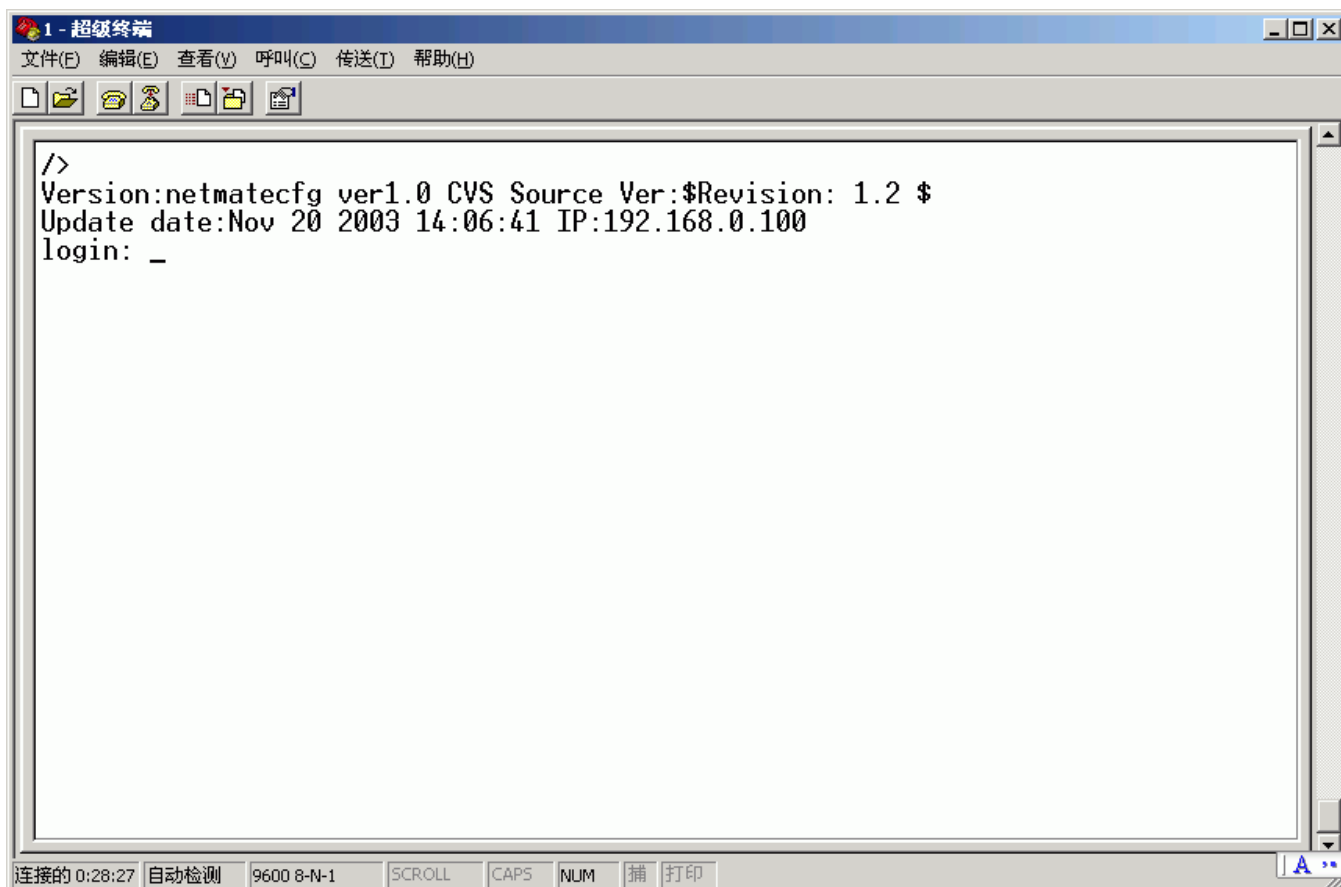
Select one serial port which connect the Netmatell and the computer com port ,as follows:



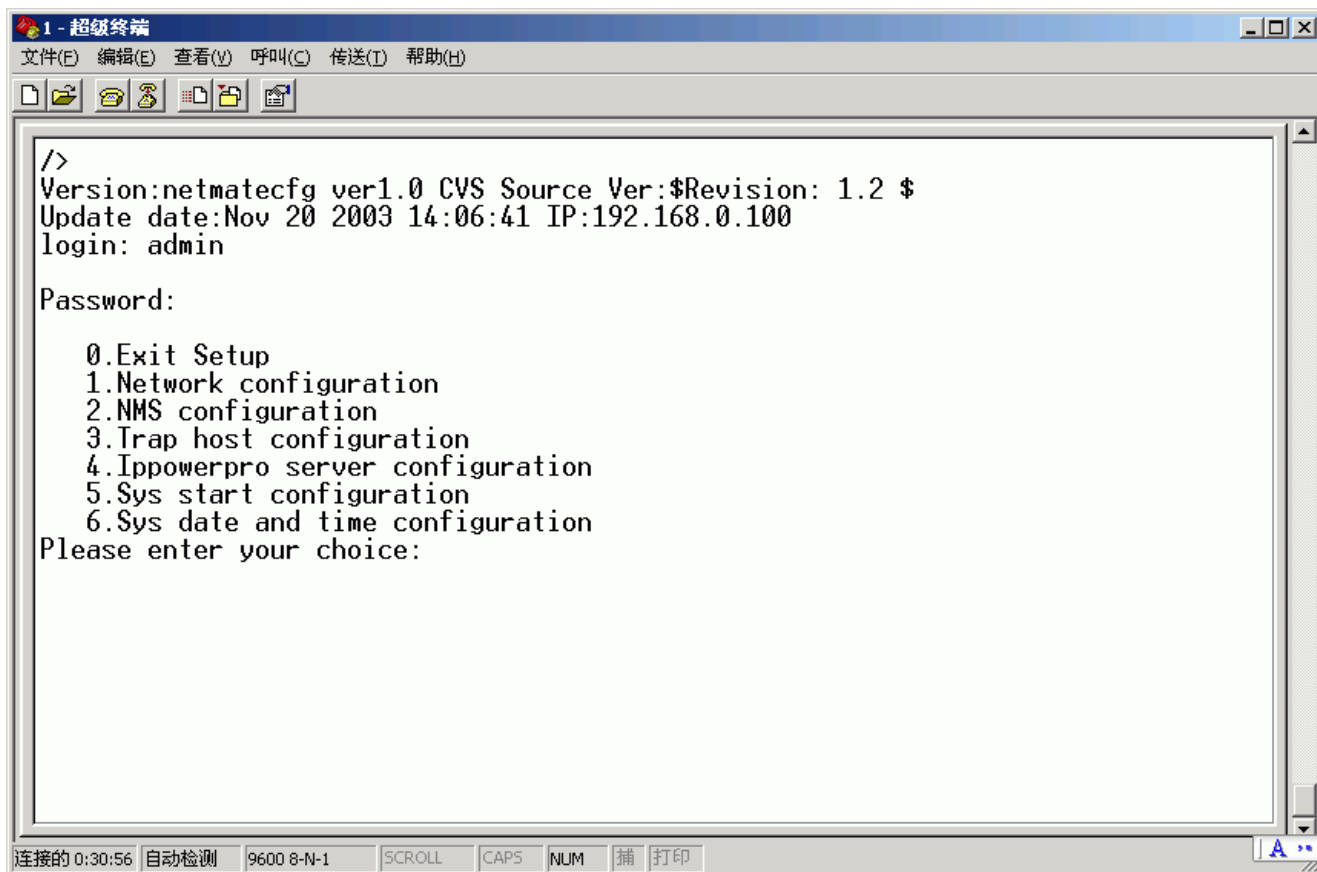
Configure this serial port,as follows:



Please according to the drawing to configure the serial port.And press the button to bu sure.It will open the following drawing:



In this window, you need input the user name and the password (leaving the factory: user name: admin; password: admin),it will show the Netmatell Mini mailly configure menu,as follows:

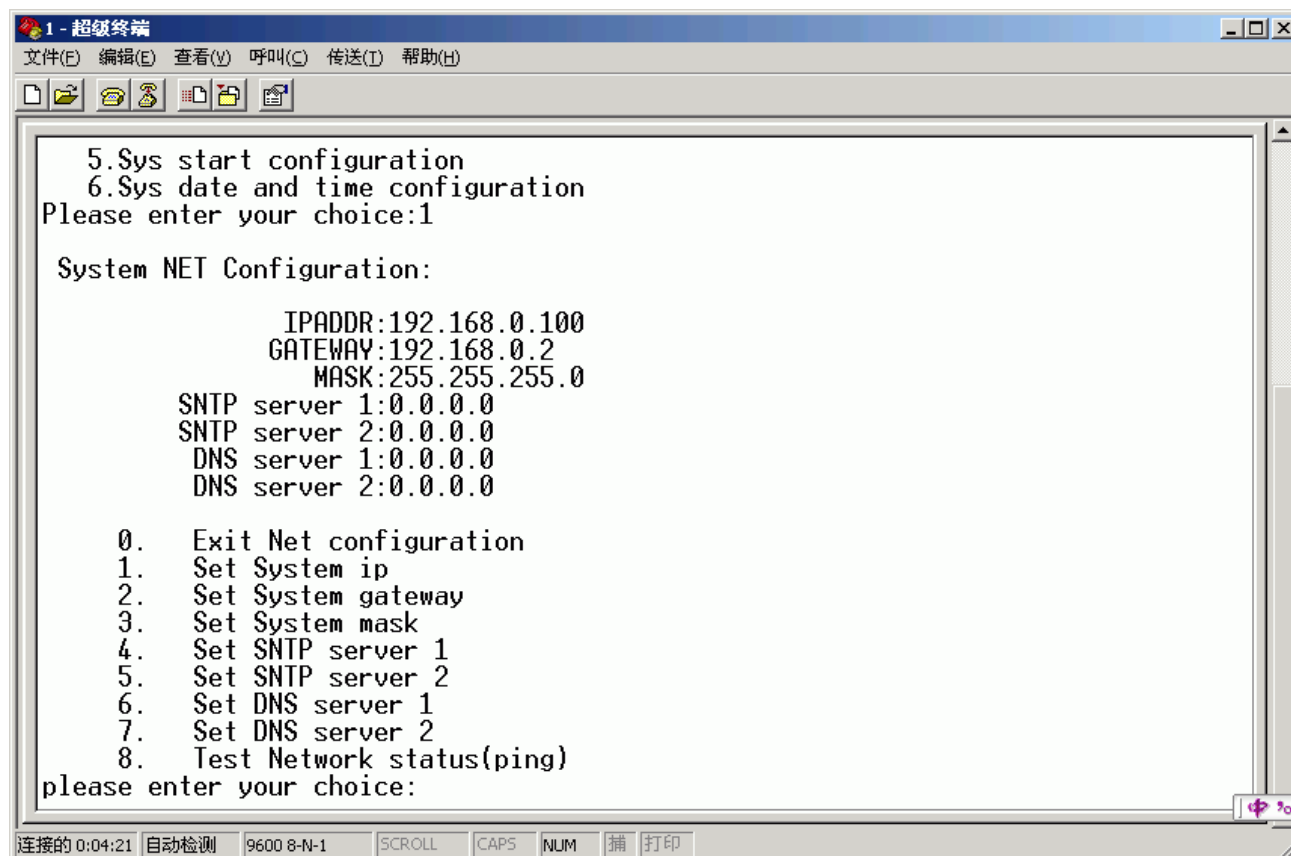


At “Please enter your choice:” inset the serial number and enter it. It'll list the Netmatell configure menu in the

super terminal.

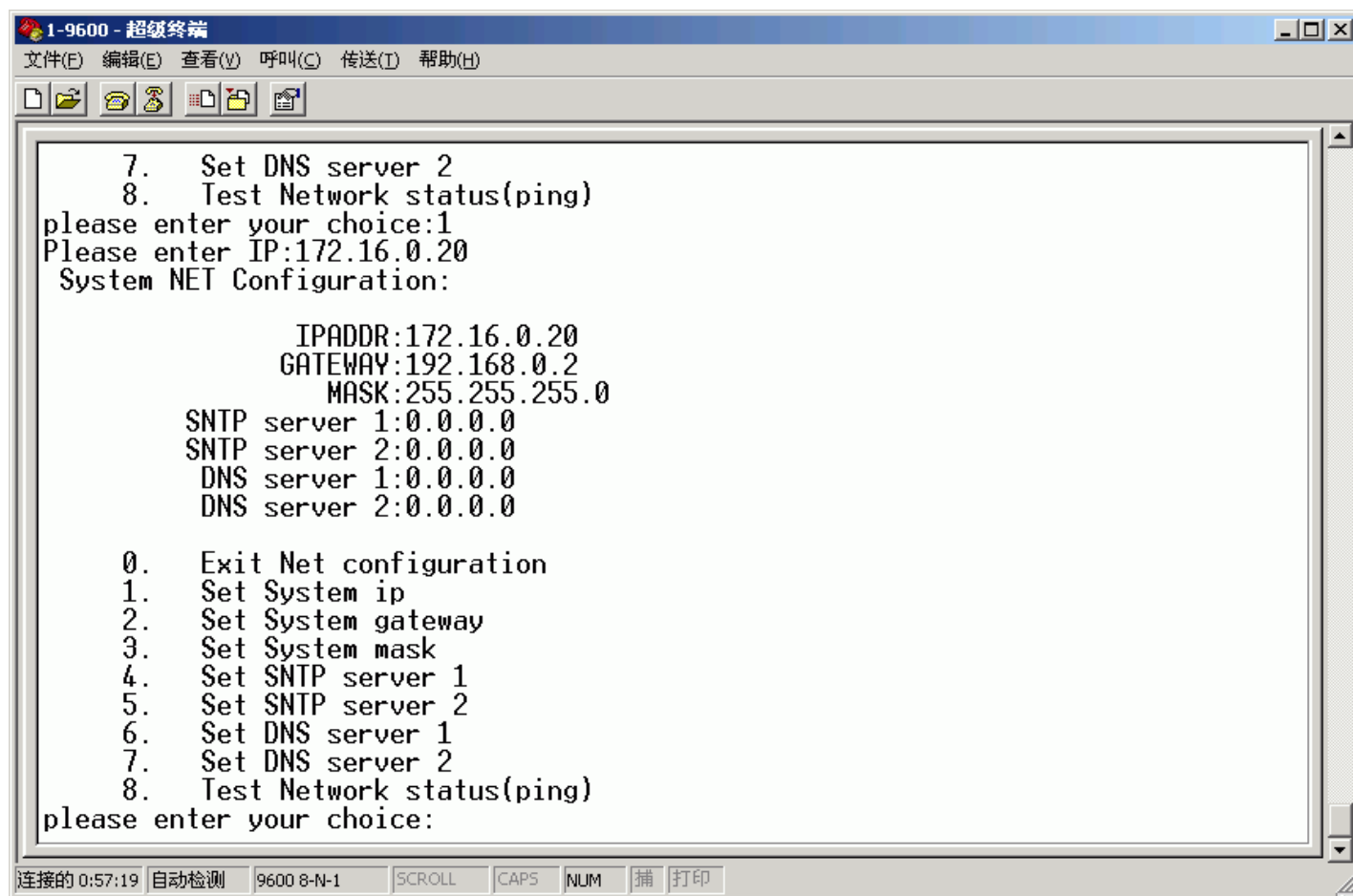
4.1.2、network configuration

In Netmatell Mini mailly configure menu ,where the “Please enter your choice:” DOS prompt inset 1,you can enter the Netmatell network configure menu,as follows:

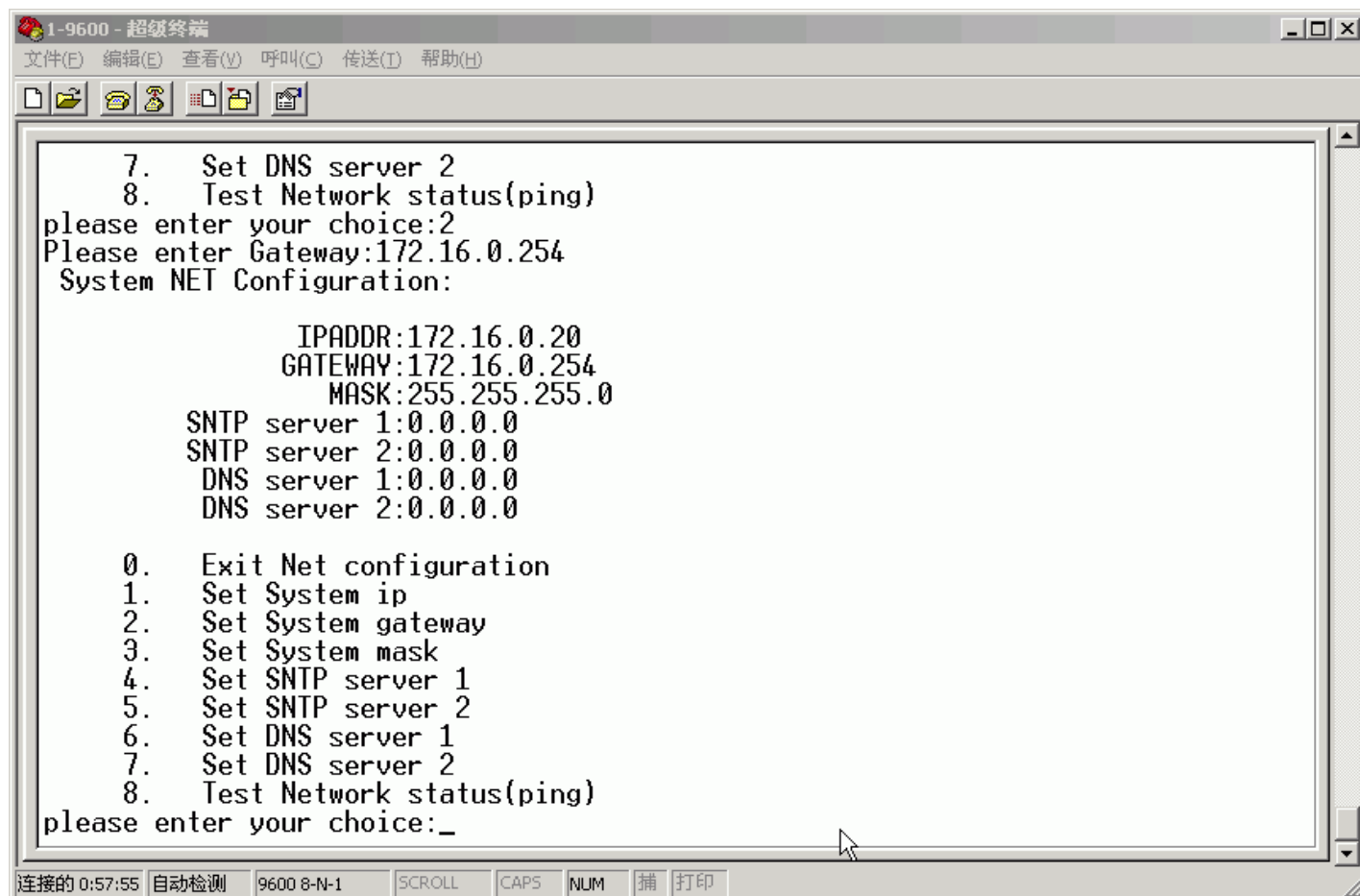


This menu show the Ipaddr ,gateway ,mask which is the Netmatell network configuration,and some about the serial number to be the system NET configuration.

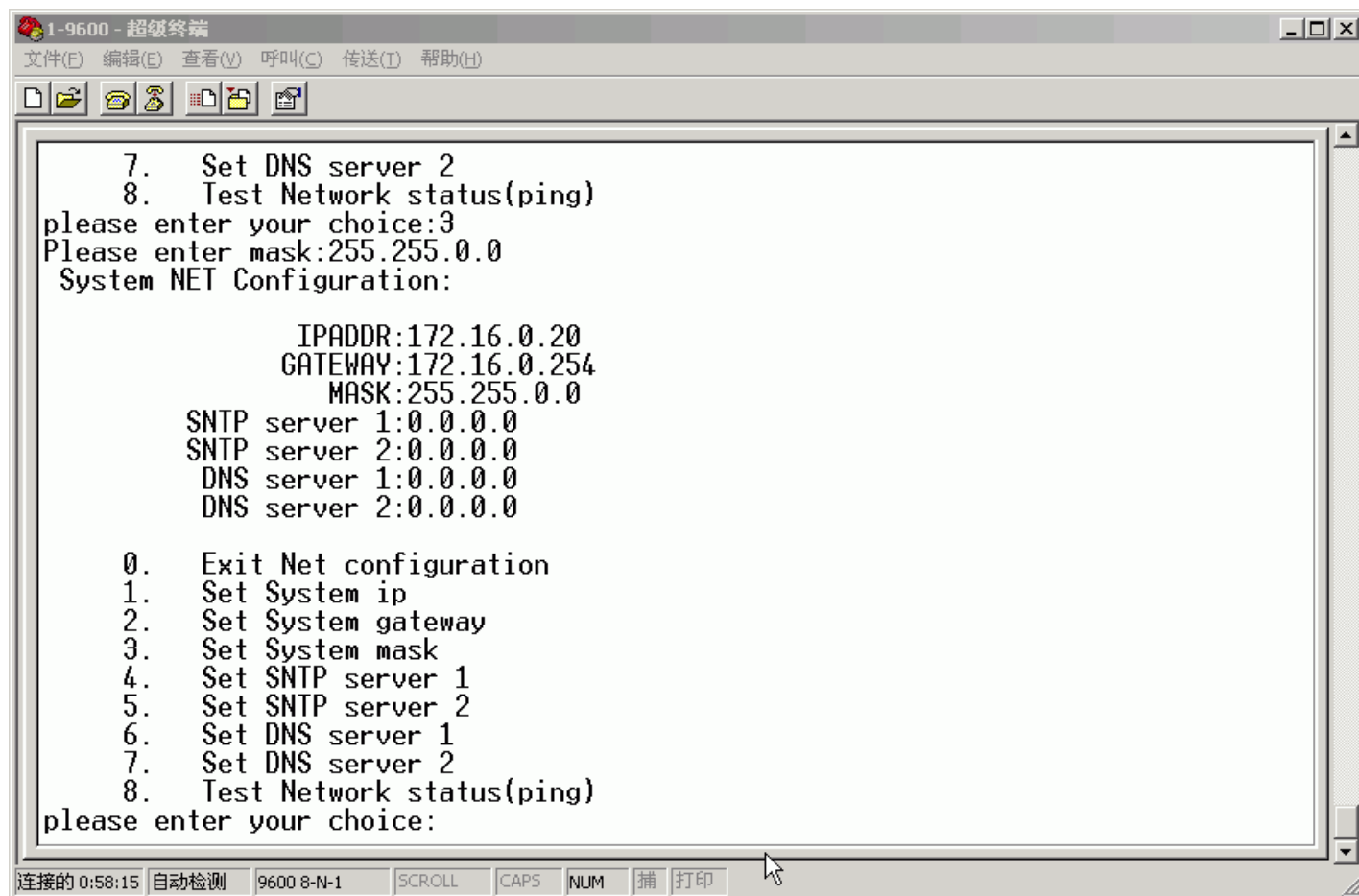
1.: Modify the Netmatell IP address,, as follows::



2: Modify the Netmatell gateway, as follows::



3: Modify the Netmatell sub mask,, as follows::



```

1-9600 - 超级终端
文件(F) 编辑(E) 查看(V) 呼叫(C) 传送(T) 帮助(H)

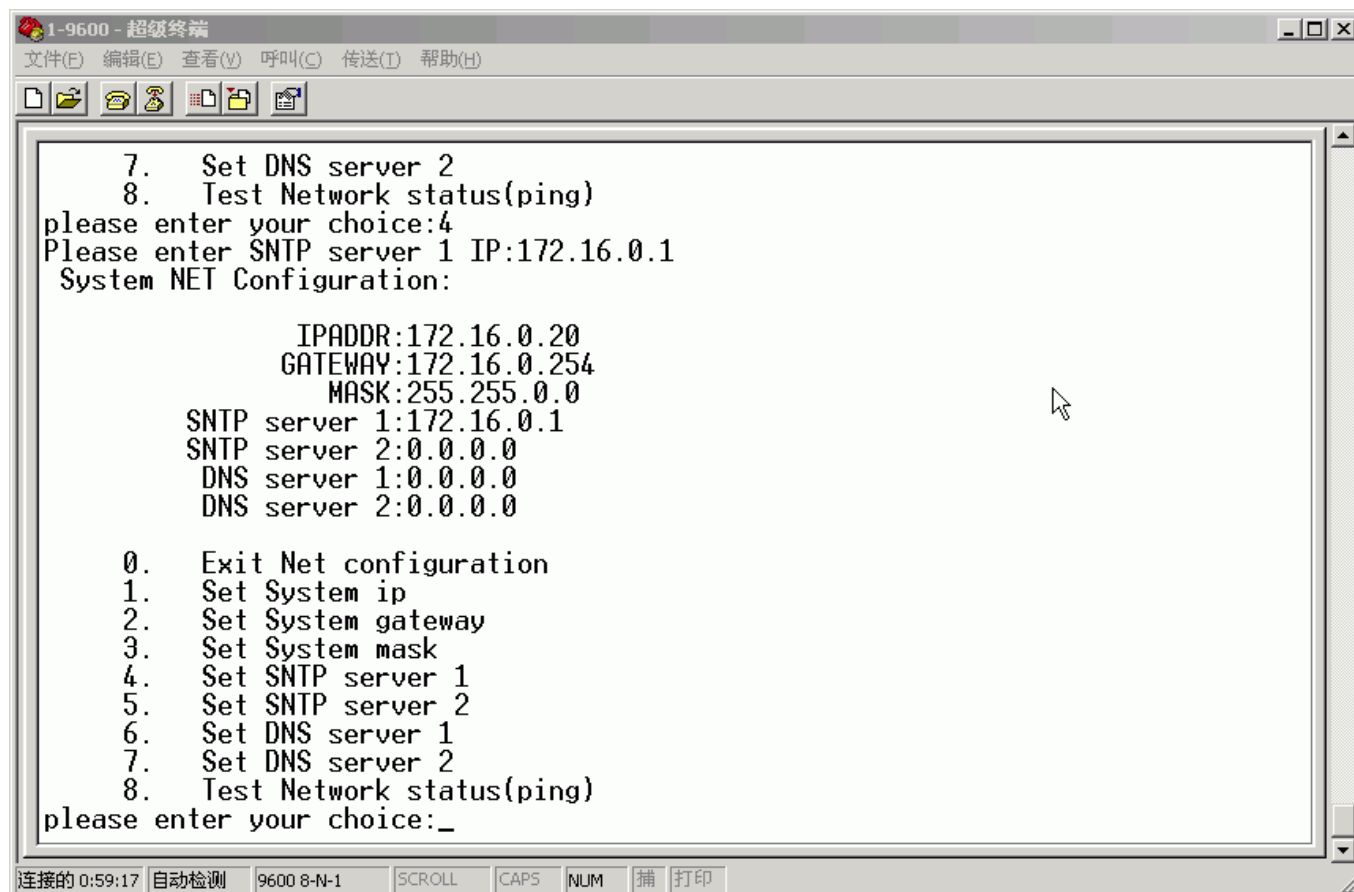
7.  Set DNS server 2
8.  Test Network status(ping)
please enter your choice:3
Please enter mask:255.255.0.0
System NET Configuration:

      IPADDR:172.16.0.20
      GATEWAY:172.16.0.254
      MASK:255.255.0.0
SNTP server 1:0.0.0.0
SNTP server 2:0.0.0.0
DNS server 1:0.0.0.0
DNS server 2:0.0.0.0

0.  Exit Net configuration
1.  Set System ip
2.  Set System gateway
3.  Set System mask
4.  Set SNTP server 1
5.  Set SNTP server 2
6.  Set DNS server 1
7.  Set DNS server 2
8.  Test Network status(ping)
please enter your choice:
  
```

连接的 0:58:15 自动检测 9600 8-N-1 SCROLL CAPS NUM 捕 打印

4.: Set the IP of the main time server, the time server is used to modify Netmatell system time,as follows:



```

1-9600 - 超级终端
文件(F) 编辑(E) 查看(V) 呼叫(C) 传送(T) 帮助(H)

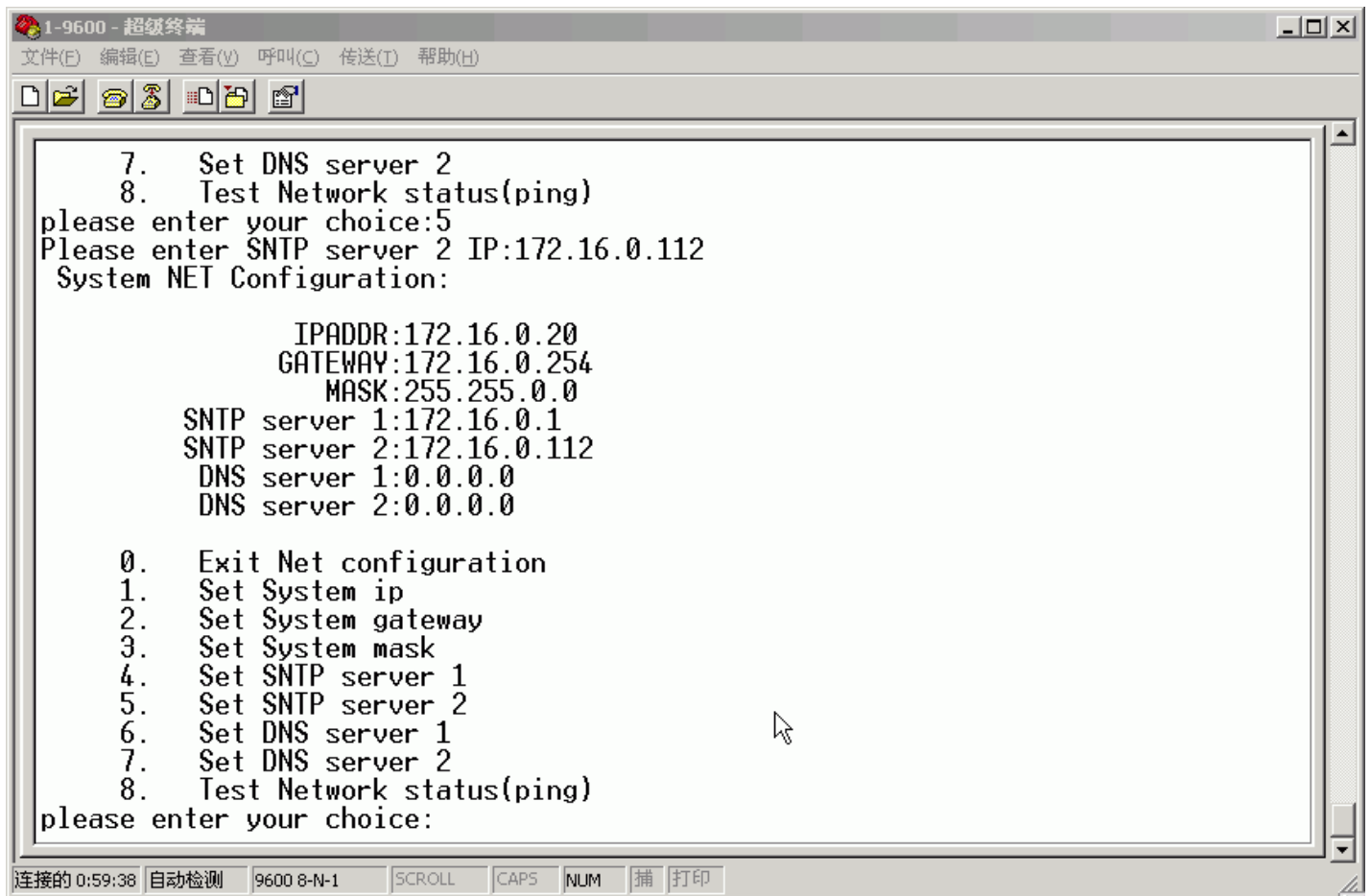
7.  Set DNS server 2
8.  Test Network status(ping)
please enter your choice:4
Please enter SNTP server 1 IP:172.16.0.1
System NET Configuration:

      IPADDR:172.16.0.20
      GATEWAY:172.16.0.254
      MASK:255.255.0.0
SNTP server 1:172.16.0.1
SNTP server 2:0.0.0.0
DNS server 1:0.0.0.0
DNS server 2:0.0.0.0

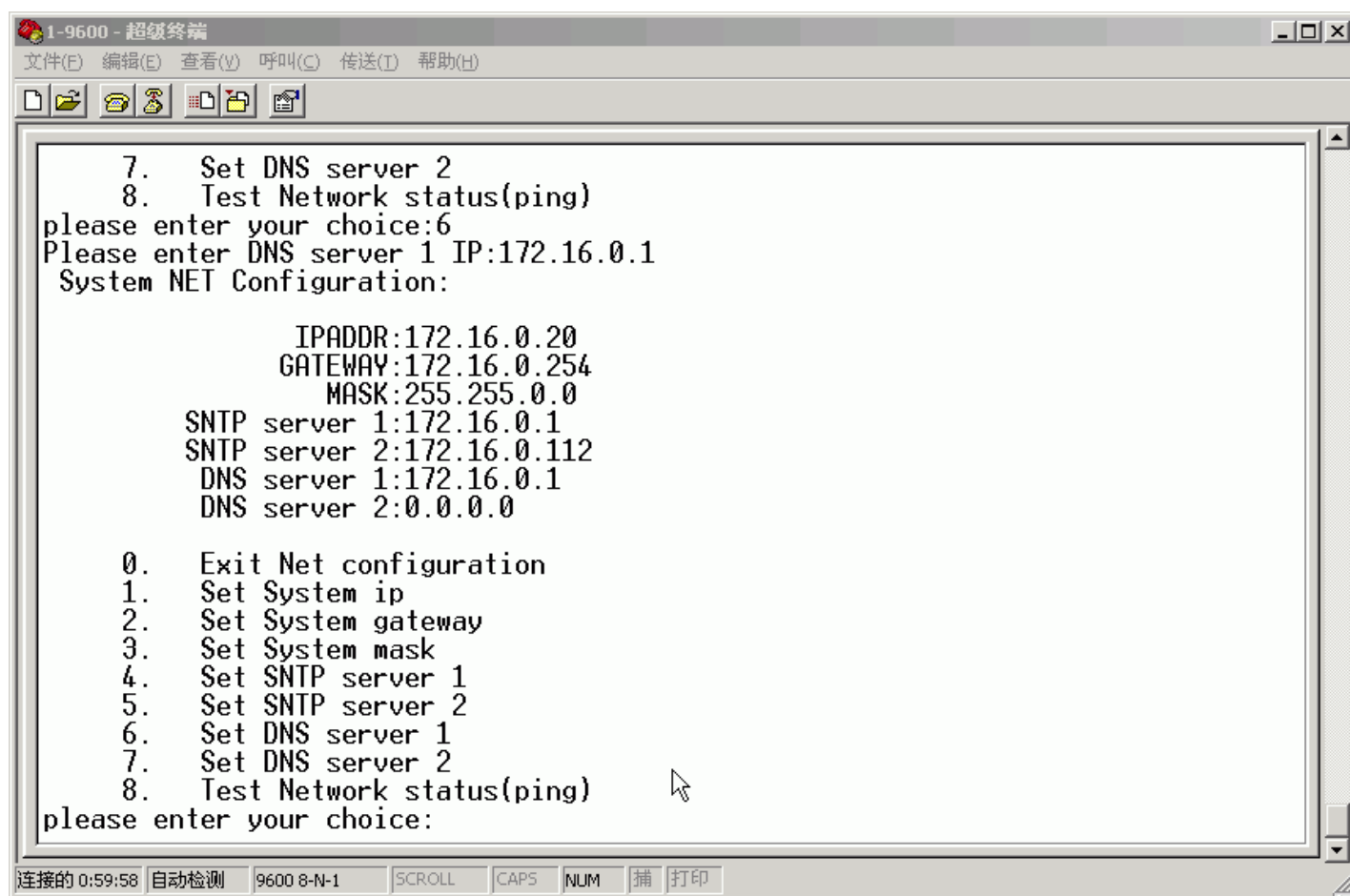
0.  Exit Net configuration
1.  Set System ip
2.  Set System gateway
3.  Set System mask
4.  Set SNTP server 1
5.  Set SNTP server 2
6.  Set DNS server 1
7.  Set DNS server 2
8.  Test Network status(ping)
please enter your choice:_
  
```

连接的 0:59:17 自动检测 9600 8-N-1 SCROLL CAPS NUM 捕 打印

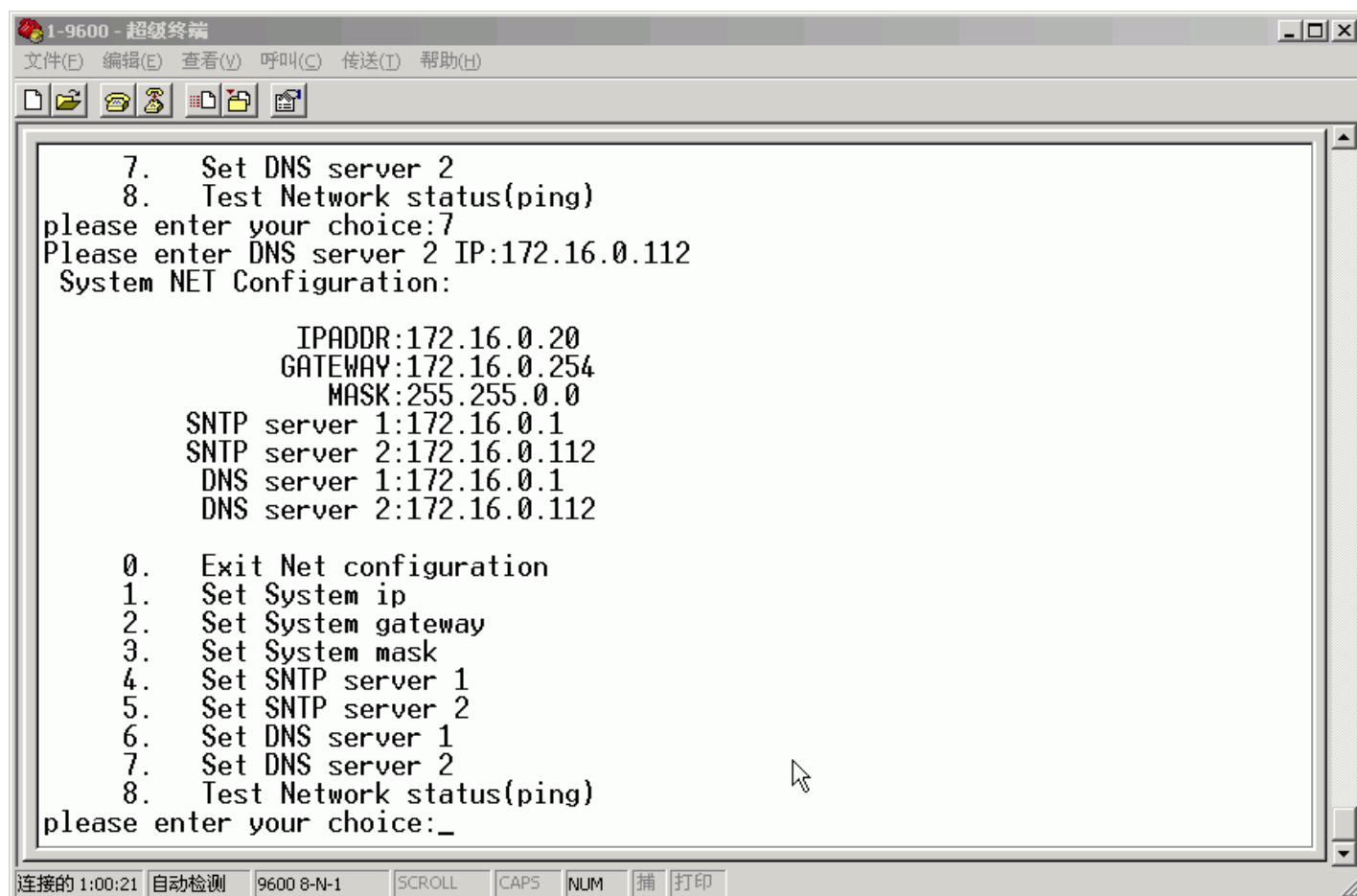
5.: Set the ip address of the second time server, as follows:



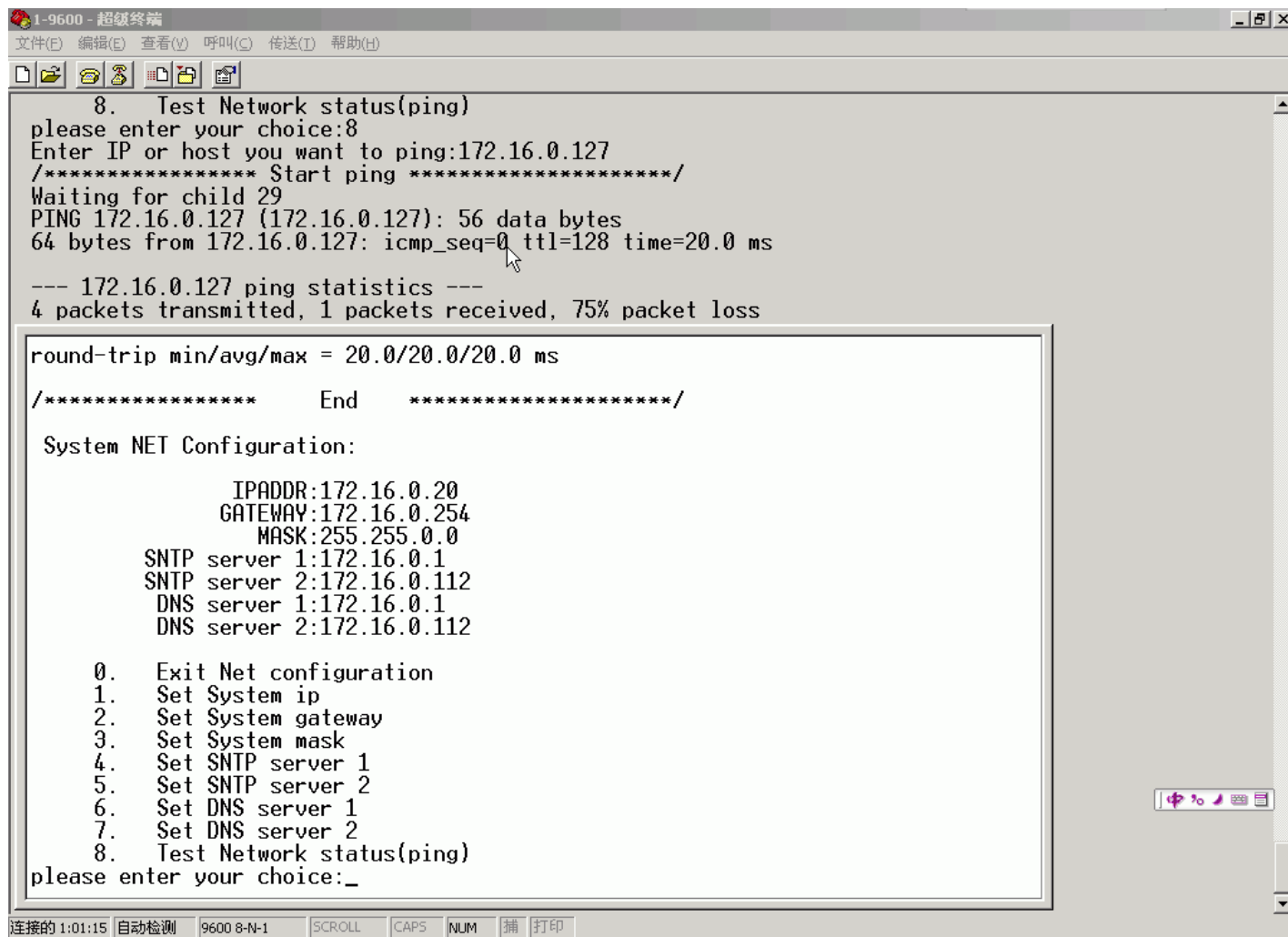
6.: Set the ip address of the main DNS server, the DNS server is used to domain name service,as follows:



7.: Set ip address of the second DNS server ,as follows:



8.: Use "ping" command to test the network state, as follows:



The screenshot shows a terminal window titled "1-9600 - 超级终端" (1-9600 - Super Terminal). The menu bar includes "文件(F)", "编辑(E)", "查看(V)", "呼叫(C)", "传送(T)", and "帮助(H)". The terminal content displays the following:

```
8. Test Network status(ping)
please enter your choice:8
Enter IP or host you want to ping:172.16.0.127
/***** Start ping *****/
Waiting for child 29
PING 172.16.0.127 (172.16.0.127): 56 data bytes
64 bytes from 172.16.0.127: icmp_seq=0 ttl=128 time=20.0 ms

--- 172.16.0.127 ping statistics ---
4 packets transmitted, 1 packets received, 75% packet loss
round-trip min/avg/max = 20.0/20.0/20.0 ms

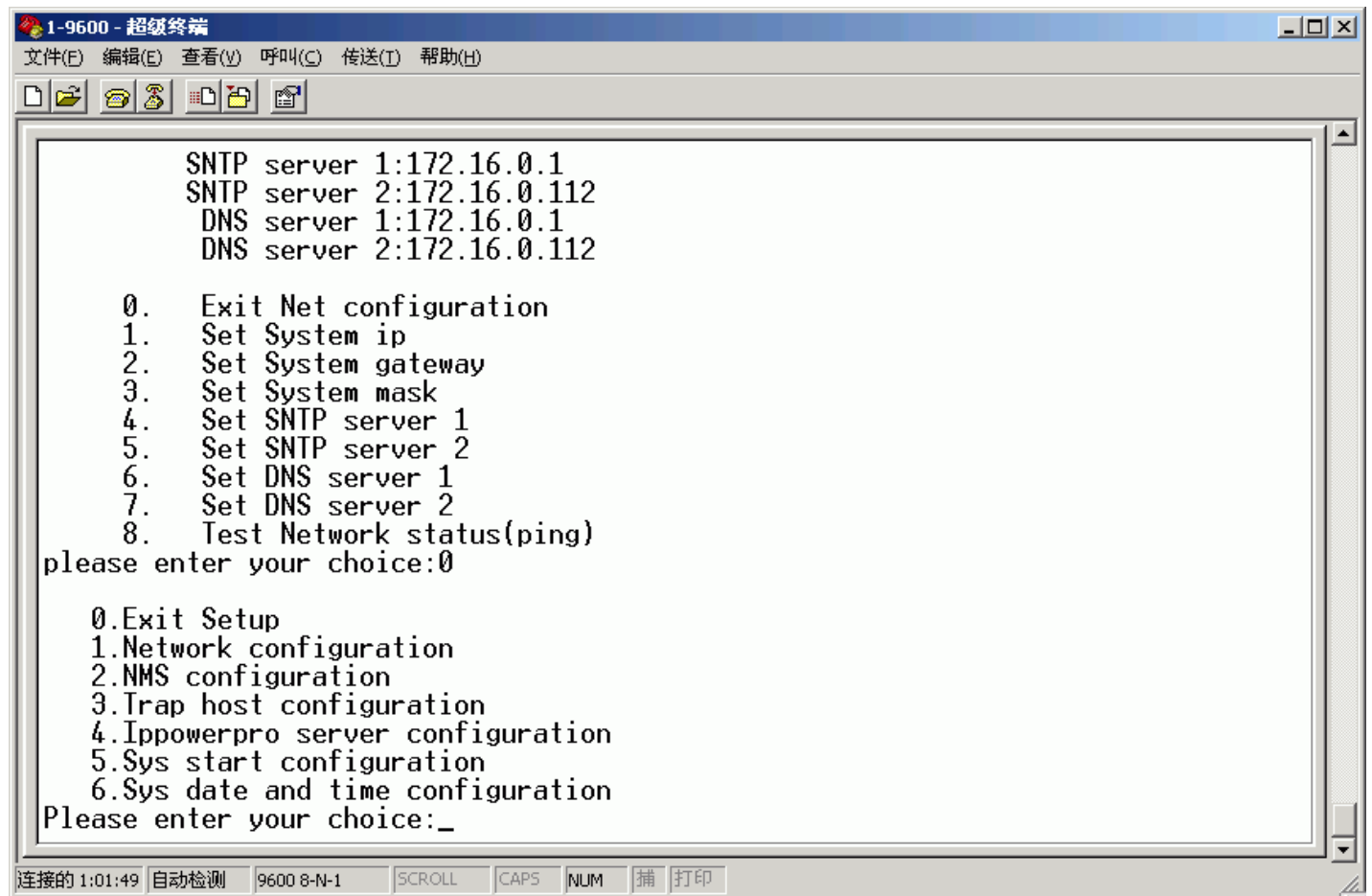
/***** End *****/

System NET Configuration:
      IPADDR:172.16.0.20
      GATEWAY:172.16.0.254
      MASK:255.255.0.0
SNTP server 1:172.16.0.1
SNTP server 2:172.16.0.112
DNS server 1:172.16.0.1
DNS server 2:172.16.0.112

0. Exit Net configuration
1. Set System ip
2. Set System gateway
3. Set System mask
4. Set SNTP server 1
5. Set SNTP server 2
6. Set DNS server 1
7. Set DNS server 2
8. Test Network status(ping)
please enter your choice:_
```

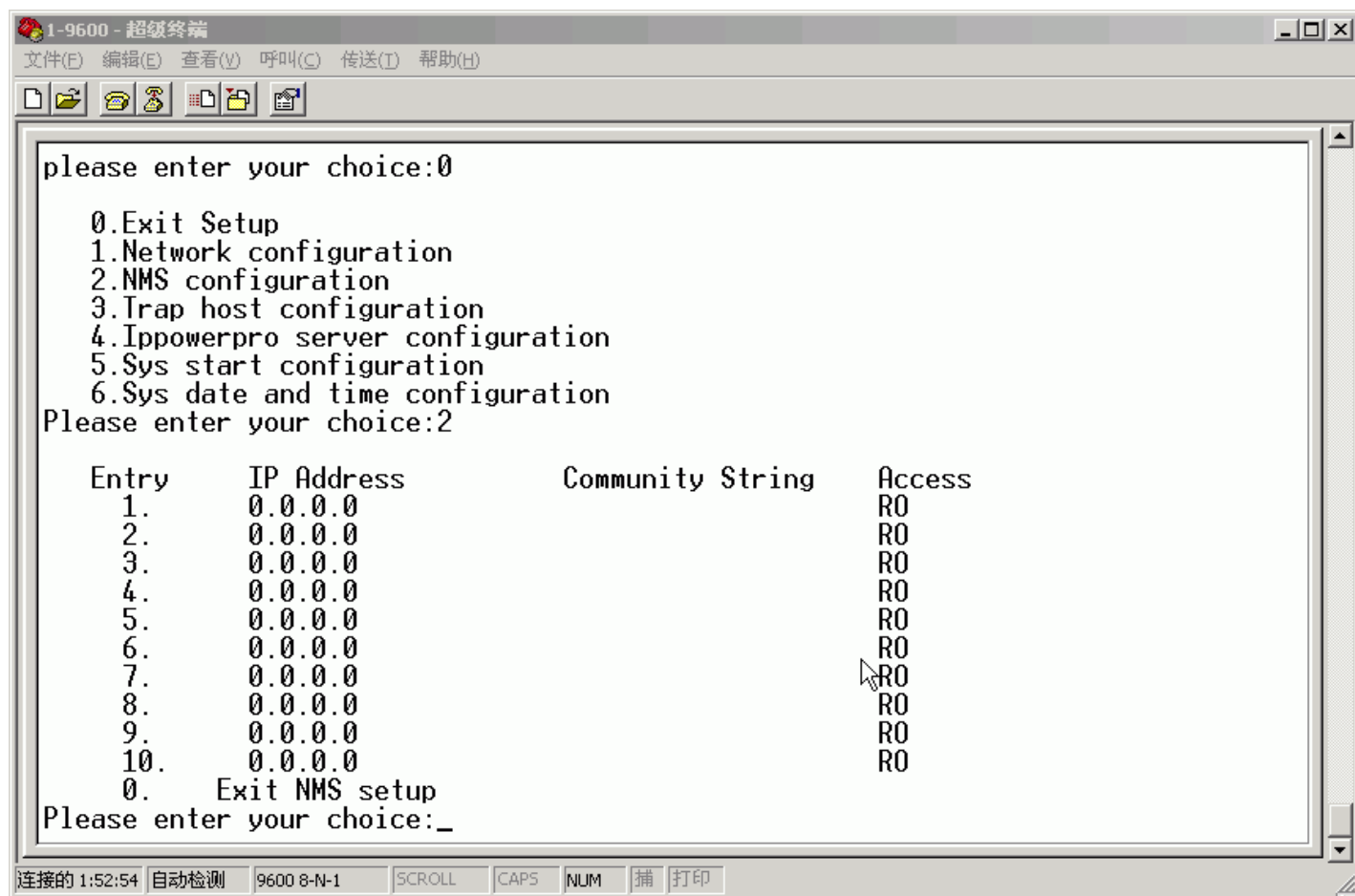
The terminal window has a status bar at the bottom showing "连接的 1:01:15", "自动检测", "9600 8-N-1", and buttons for "SCROLL", "CAPS", "NUM", "捕", and "打印".

0.: Quit network configuration, enter main configure menu, as follows:

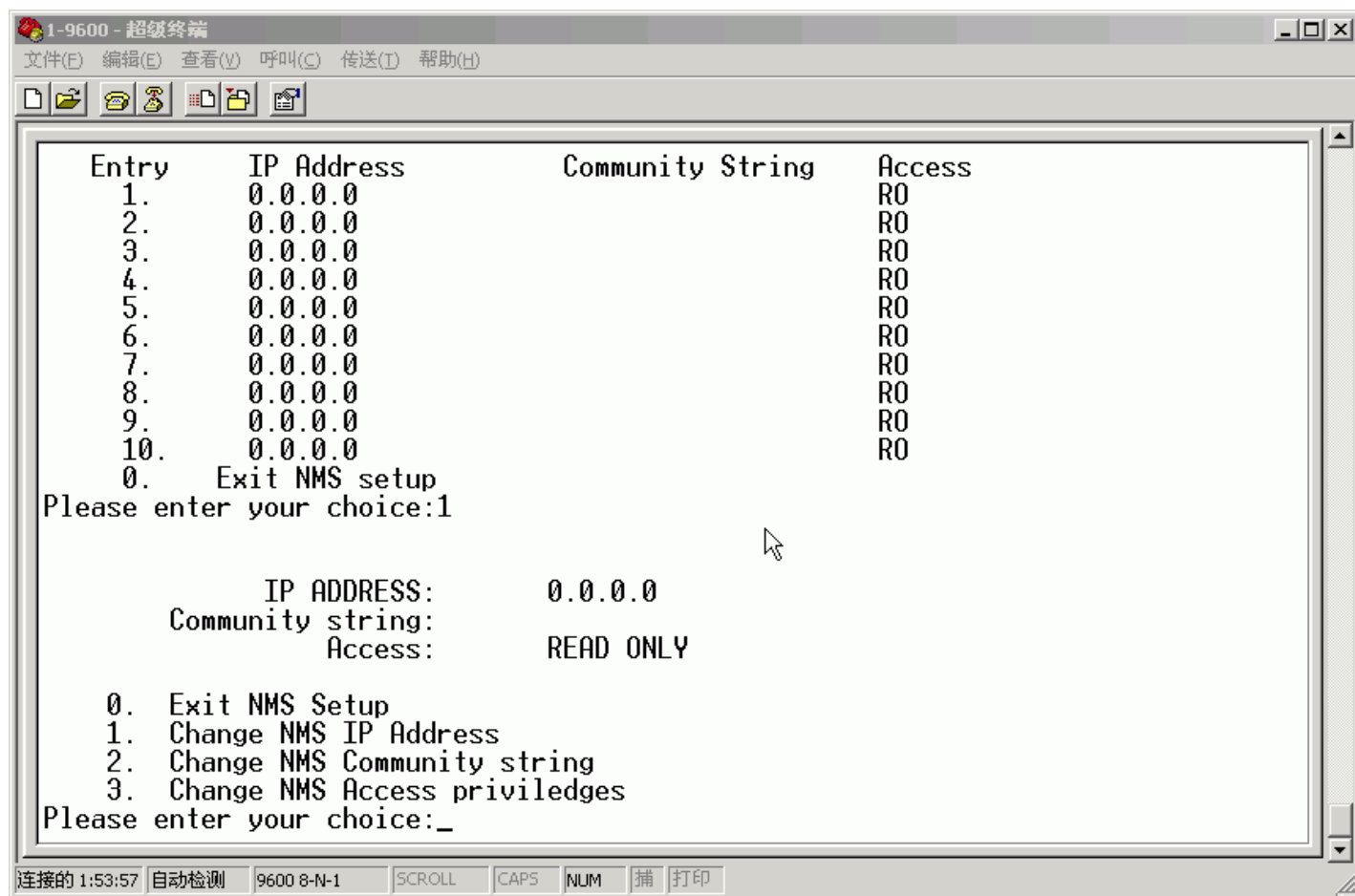


4.1.3、NMS configuration

In Netmatell mailly configure menu ,behind the “Please enter your choice:” DOS prompt inset 2,you can enter the Netmatell NMS configure menu, as follows:

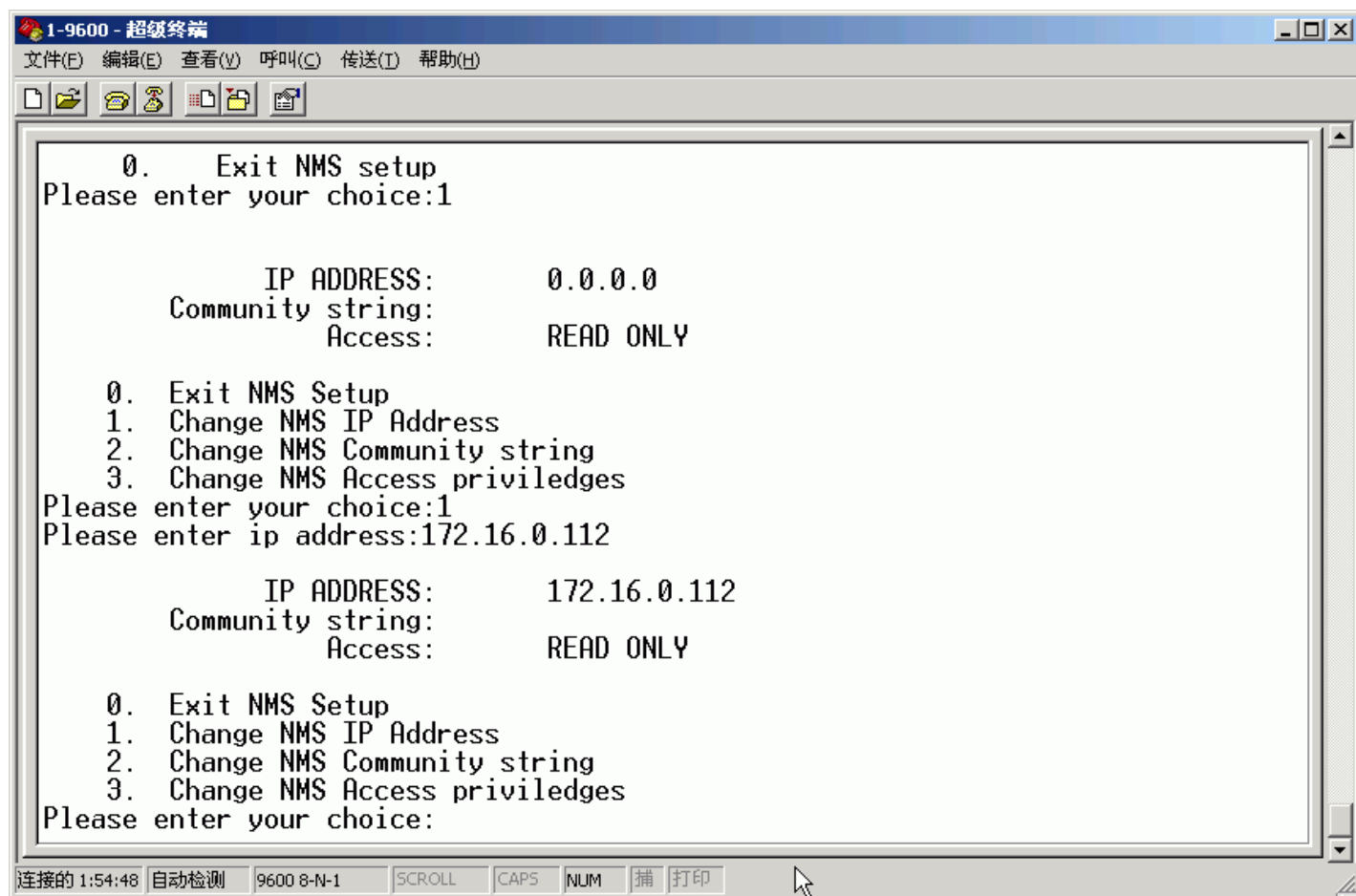


This menu include ten network management system state,contain IP address community String and access right. Behind the “Please enter your choice:” DOS prompt inset the serial num, you can configure it, as follows:

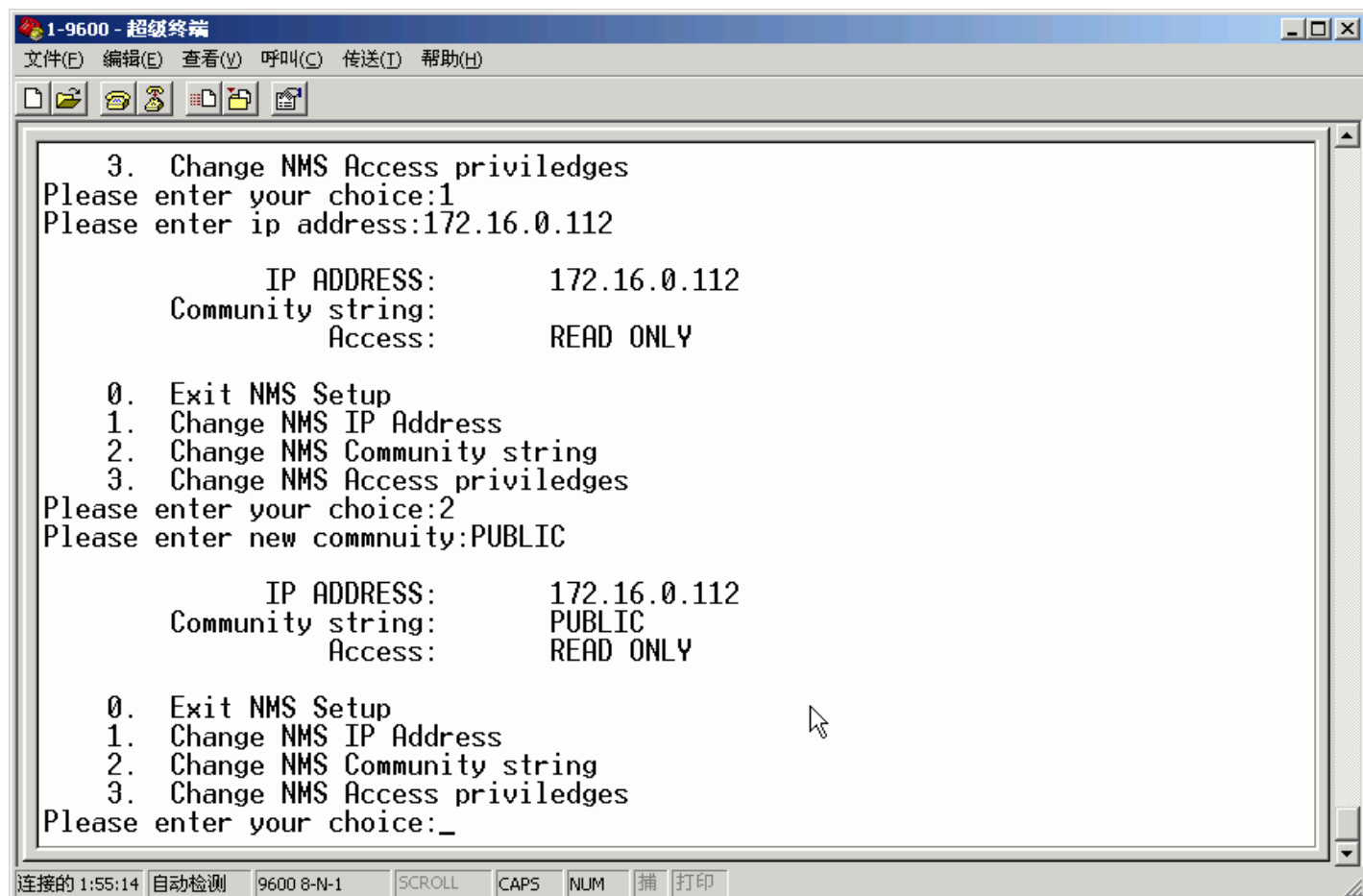


This menu show the network management system state, and some about the serial number to be the NMS configuration.

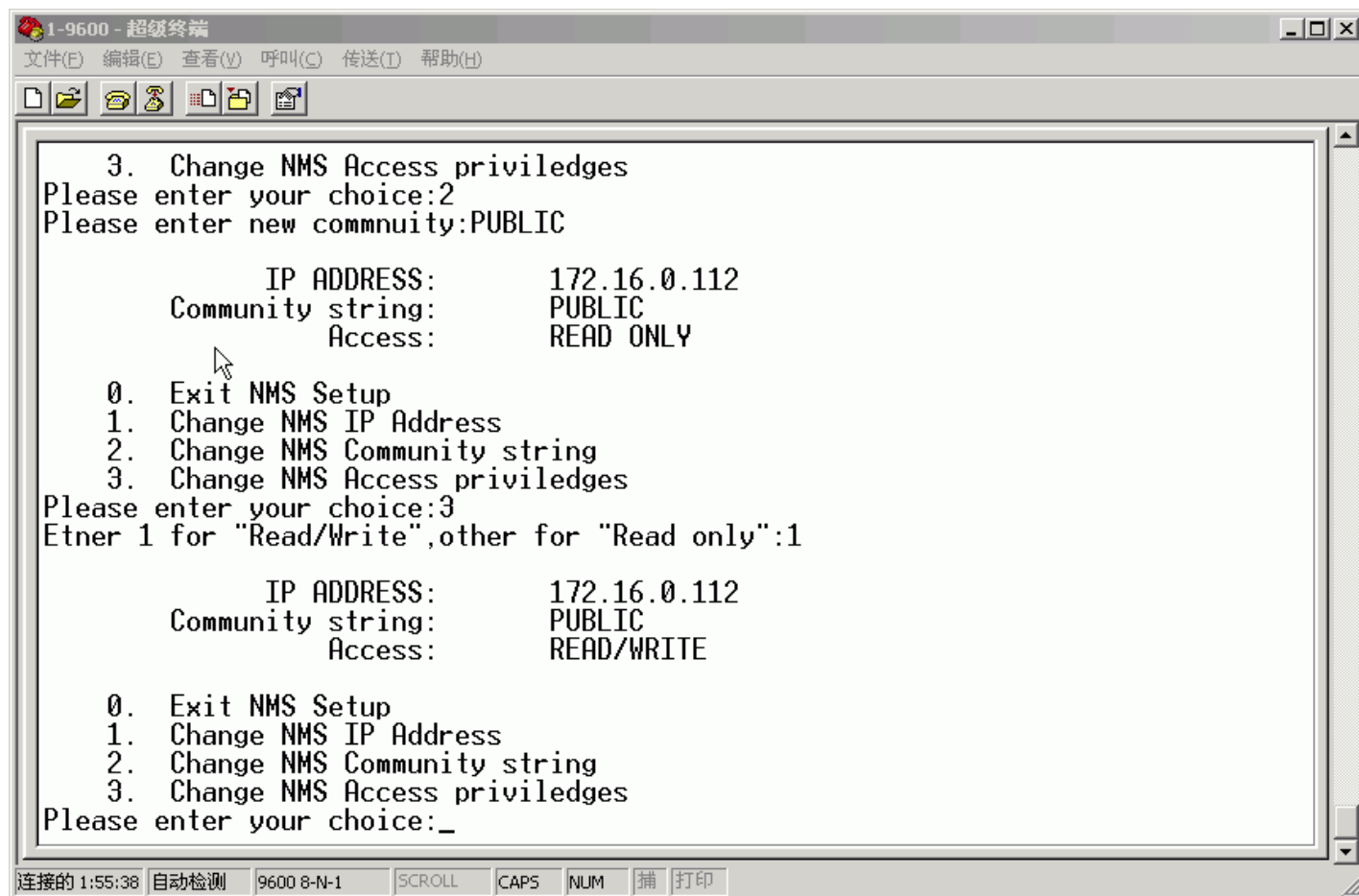
1.: Set IP address of the NMS , as follows:



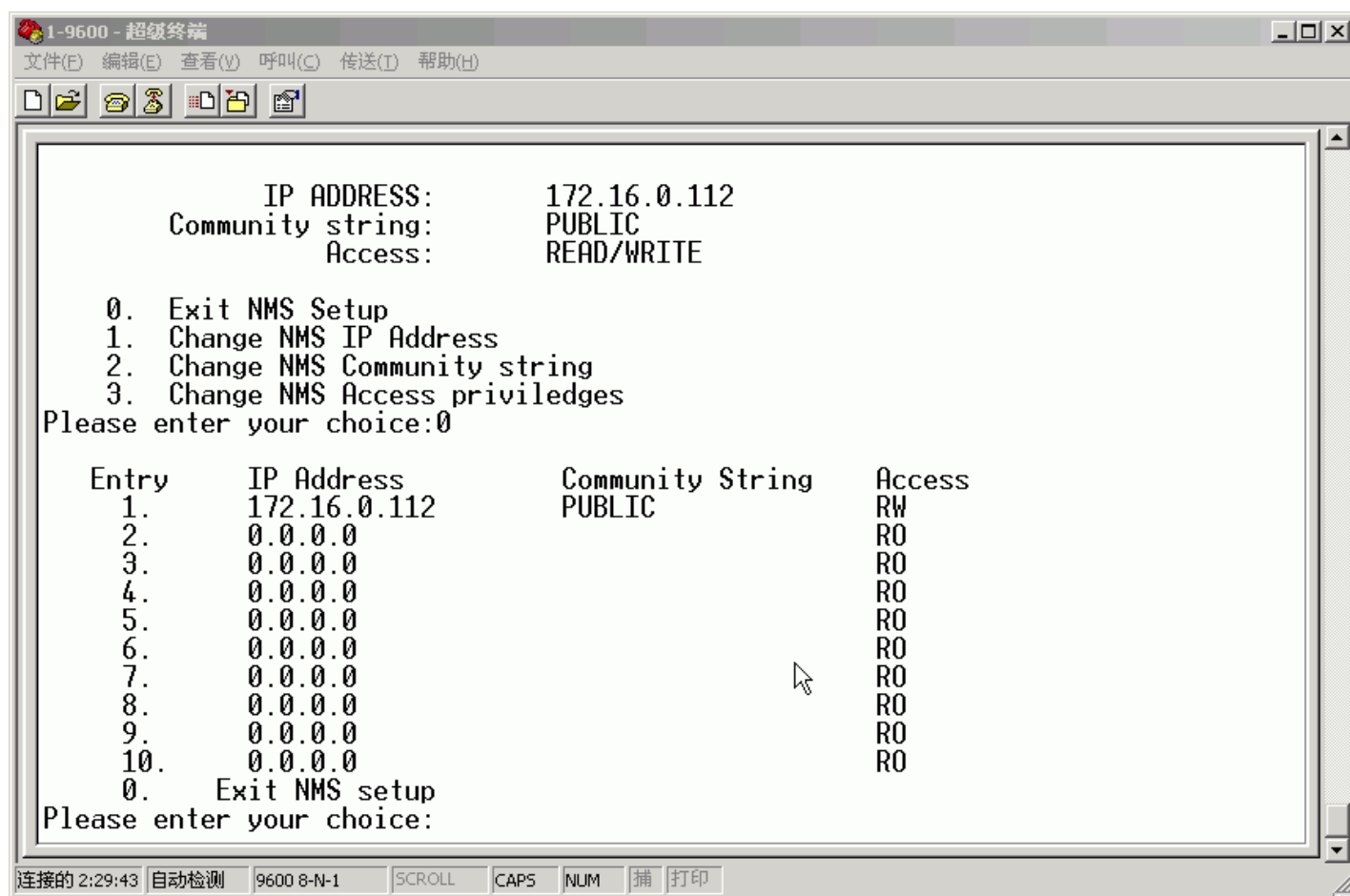
2.Modify the community string of the NMS, as follows:



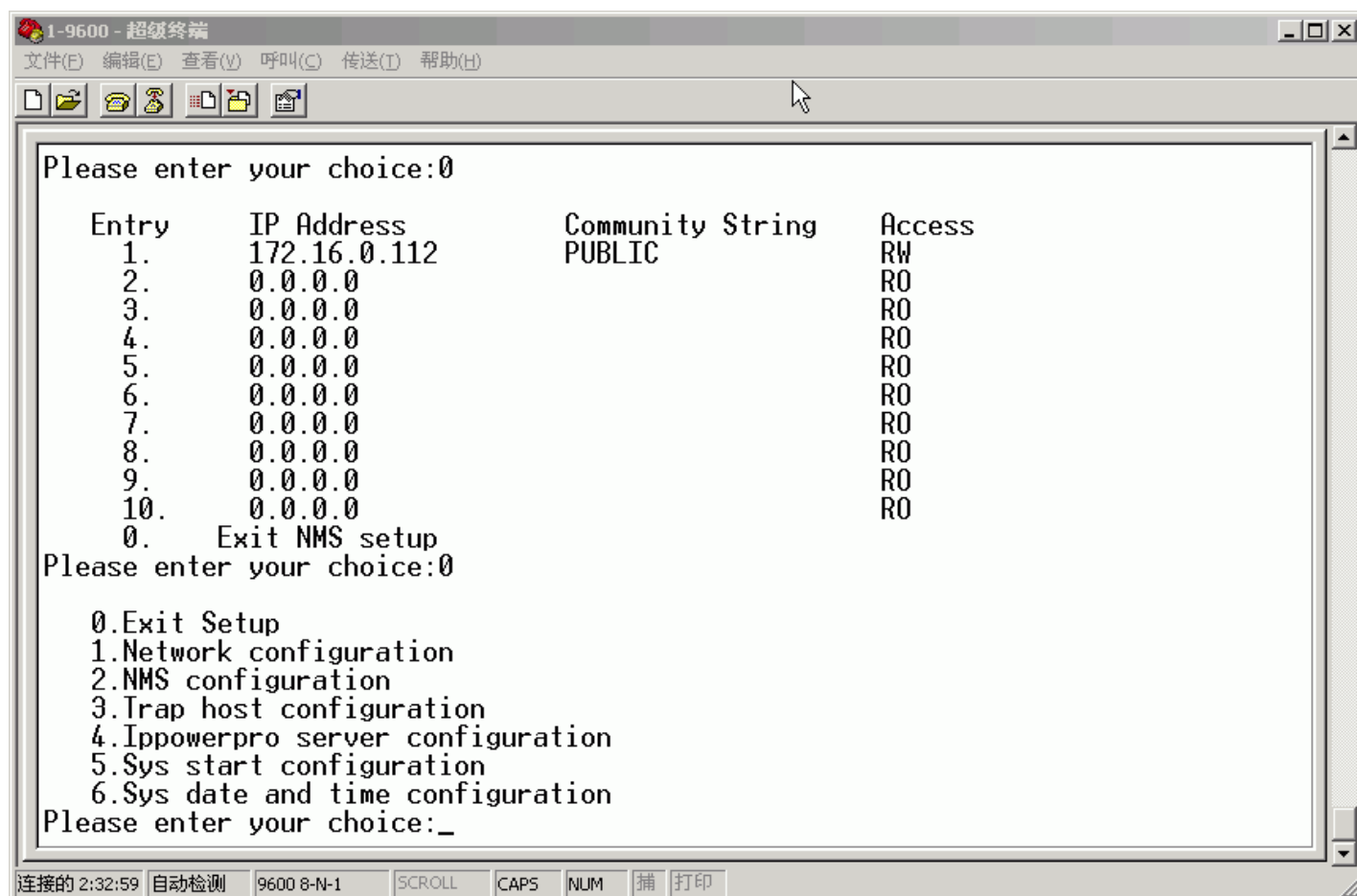
3.: Modify the access right of the NMS, as follows:



0.: Quit the NMS configure menu , enter the NMS main configure menu, as follows:

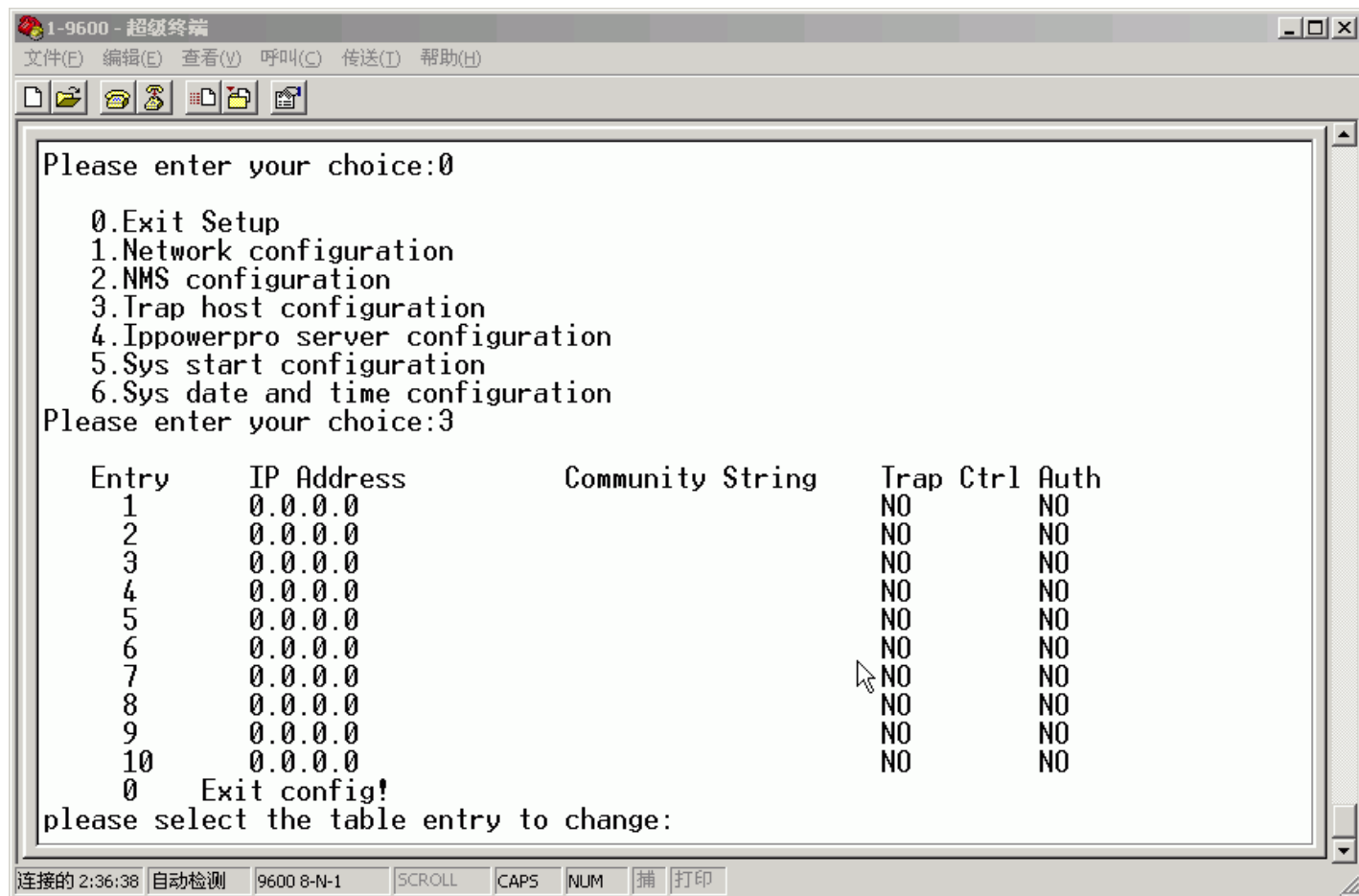


Behind the “Please enter your choice:” inset 0, you can enter Netmatell main configure menu, as follows:

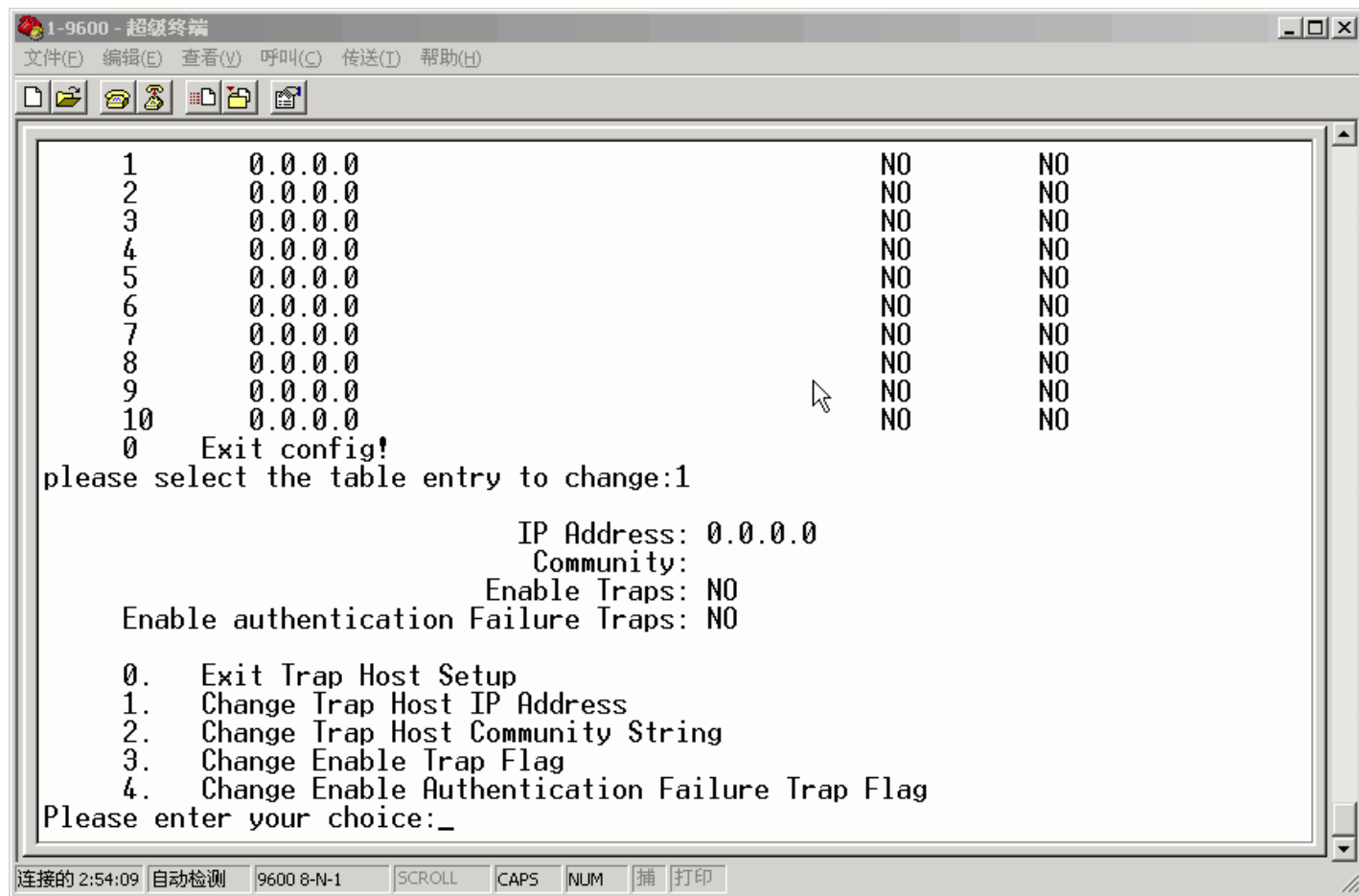


4.1.4、Trap host configuration

In the Netmatell mailly configure menu ,behind the “Please enter your choice:” DOS prompt inset 3,you can enter the Netmatell Trap host configure menu, as follows:

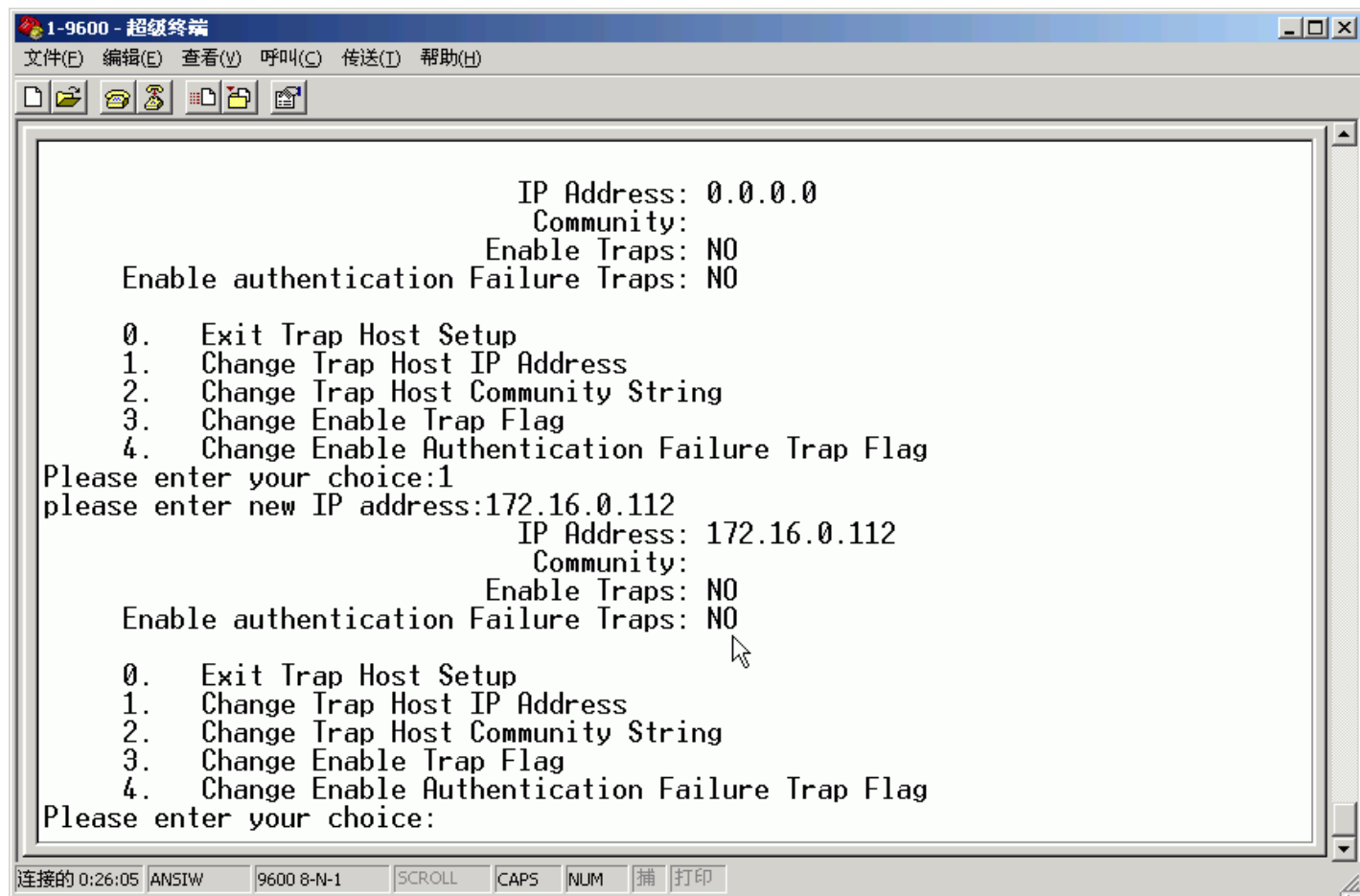


The configuration menu lists ten current Trap host state of Netmatell, Including its IP address, Community, enable Trap, enabled authentication and error Trap. In the "Please select the table entry to change:", prompt that enter the appropriate number, enter lower level configuration menu to set the Trap Host. As shown below:

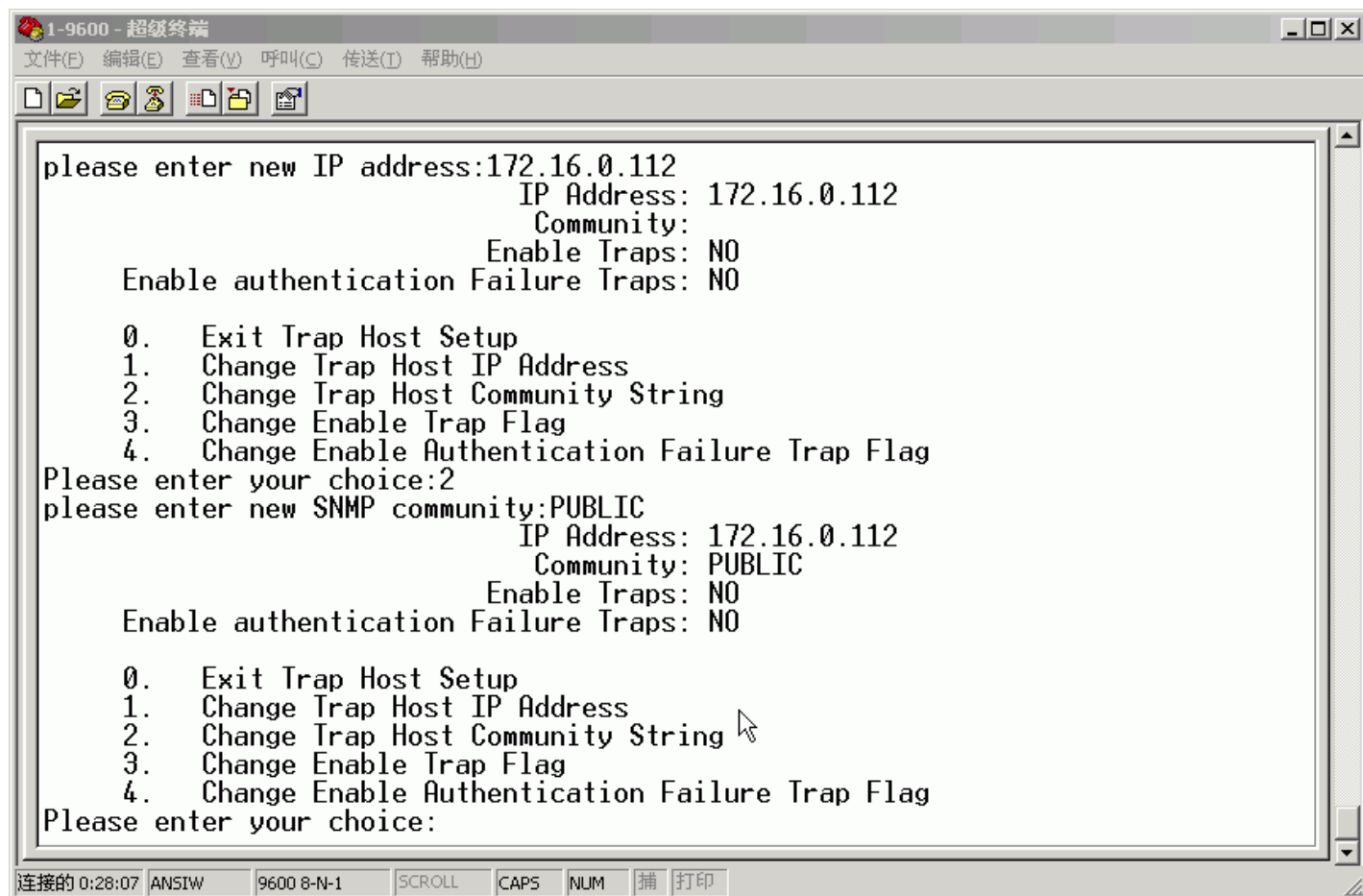


The configuration menu of previous part lists the state of Trap Host, the remaining part lists all the configure command, the configure command number is:

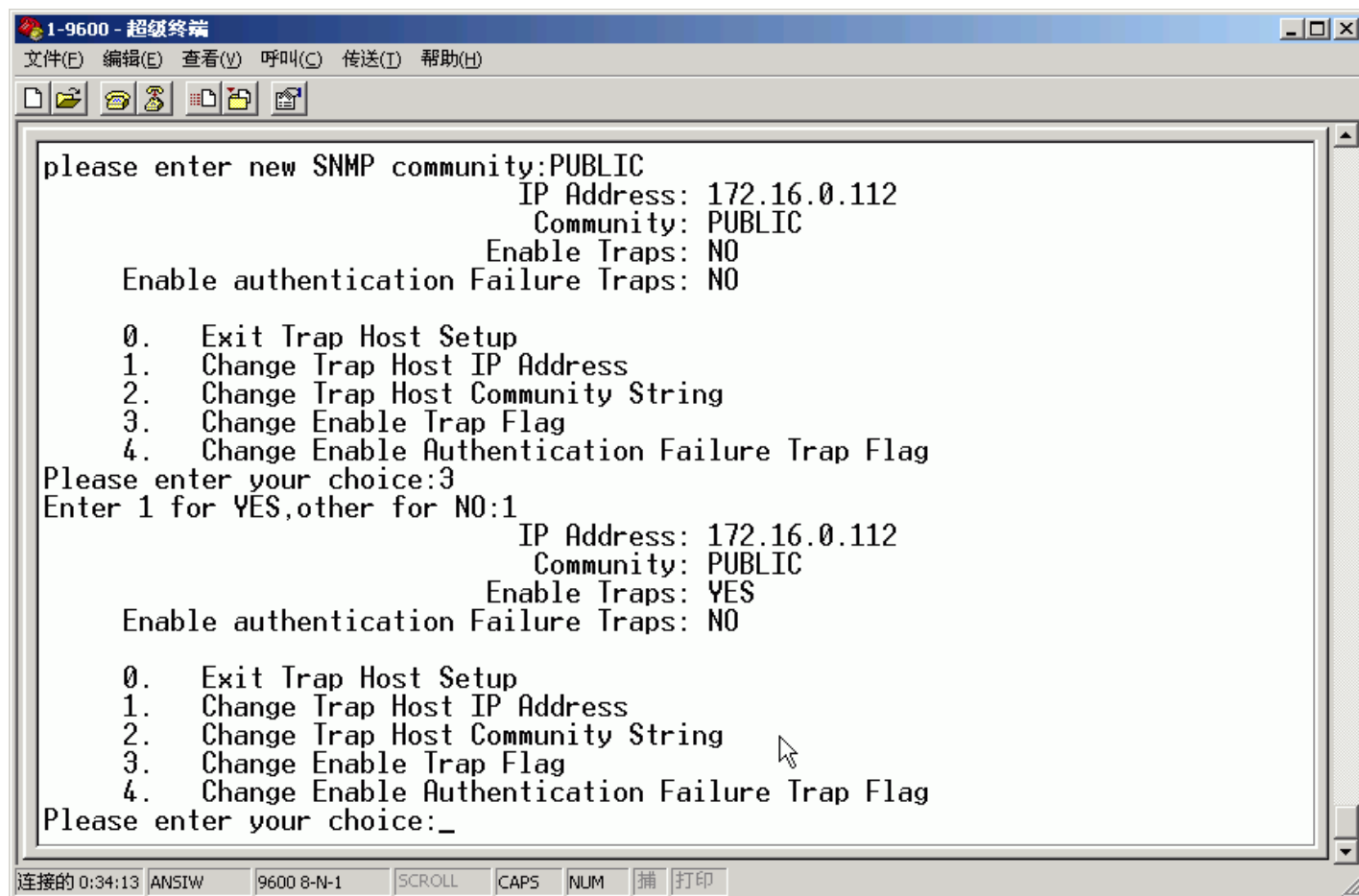
1.modify this Trap Host's IP address, As shown below:



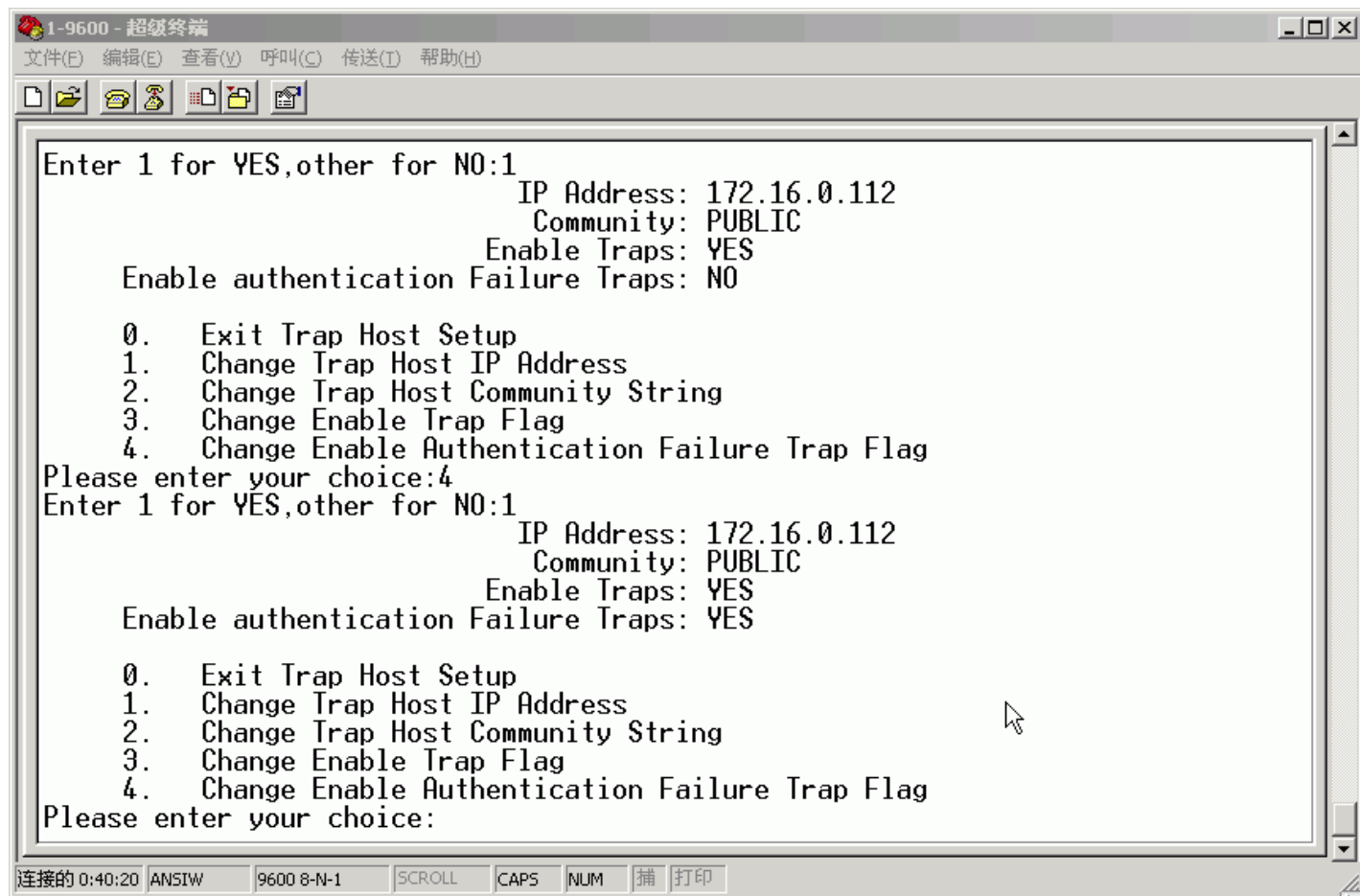
2.Modify the Trap host community, as shown below:



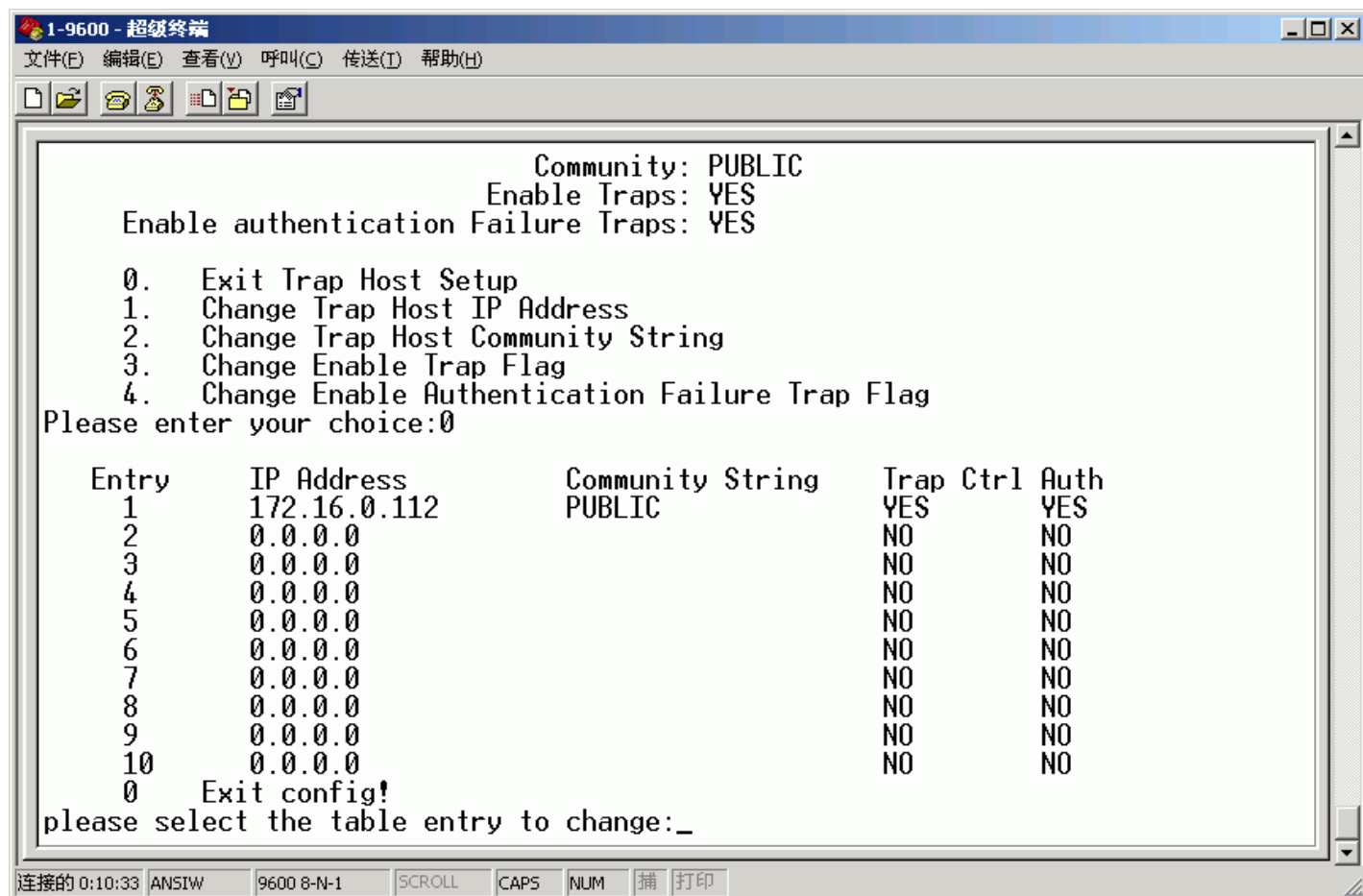
3. Set the Trap host enabled to Trap, as shown below:



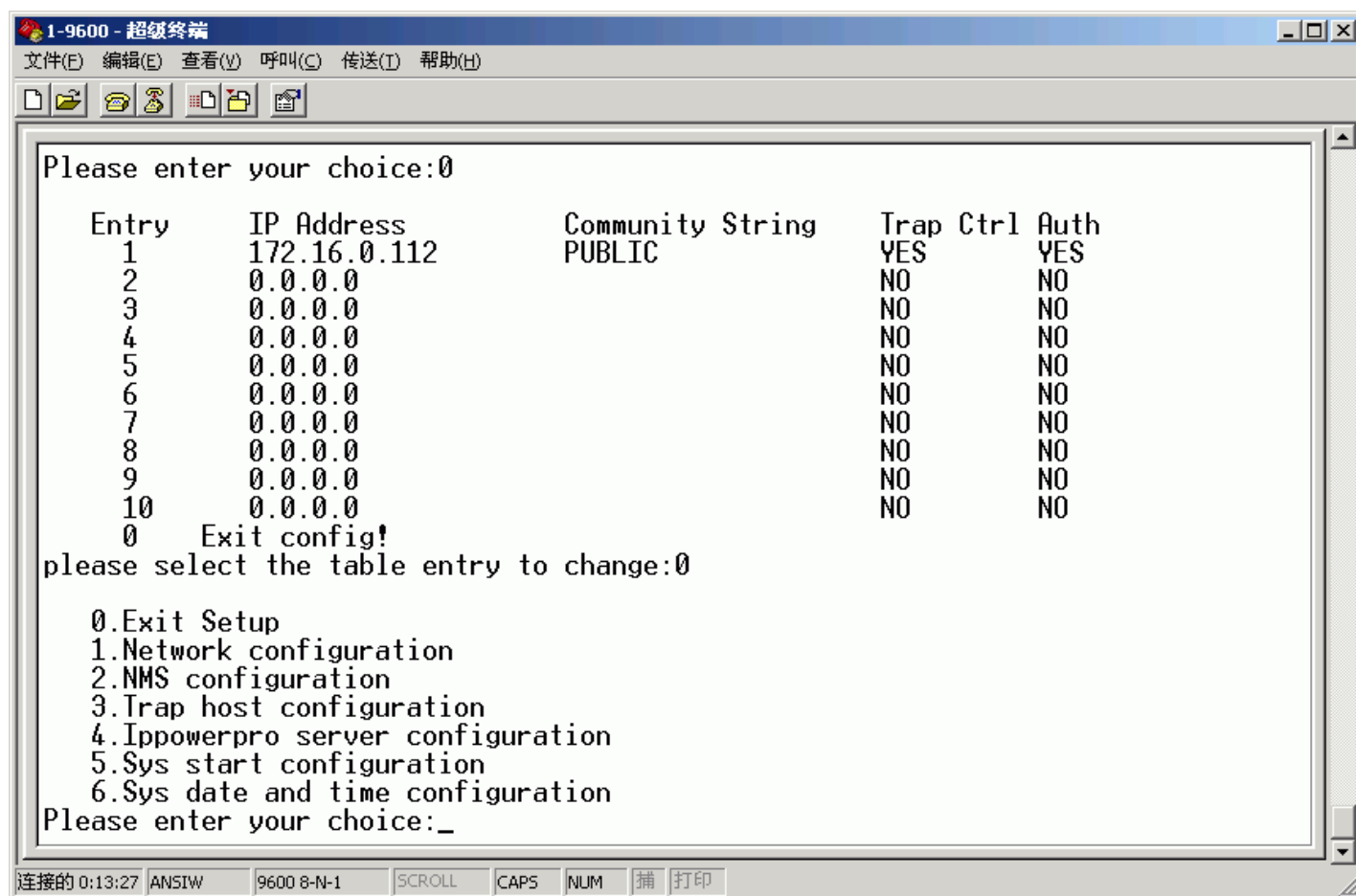
4. Set the Trap Host, Enable authentication failure trap flag,, as follows:



0.: Exit Trap Host setup, enter the Trap flag ,as shown below:

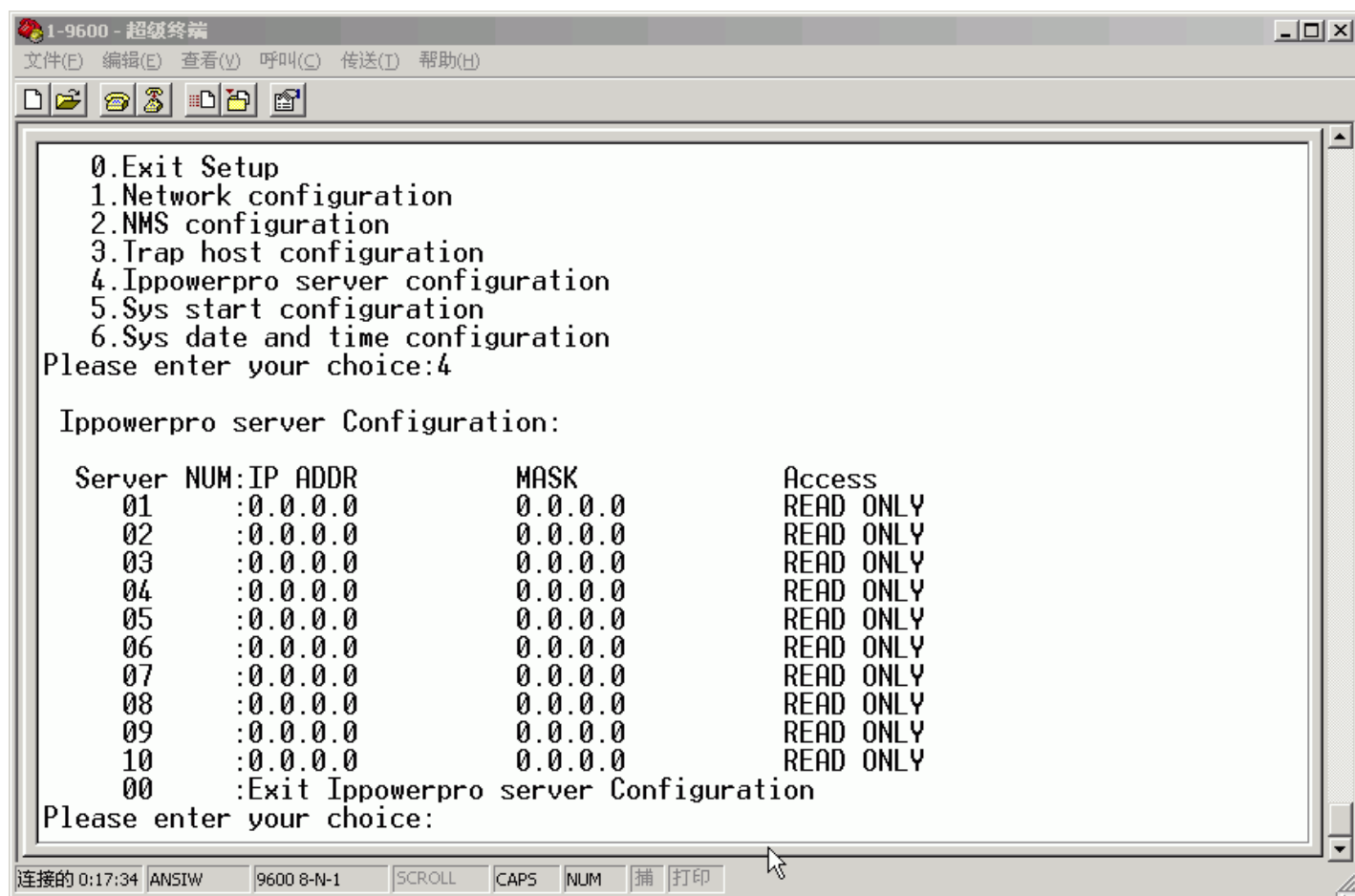


In the Trap Host Step : “Please select the table entry to change:” enter the number 0,can go to the Netmate II configuration menu, as shown below:

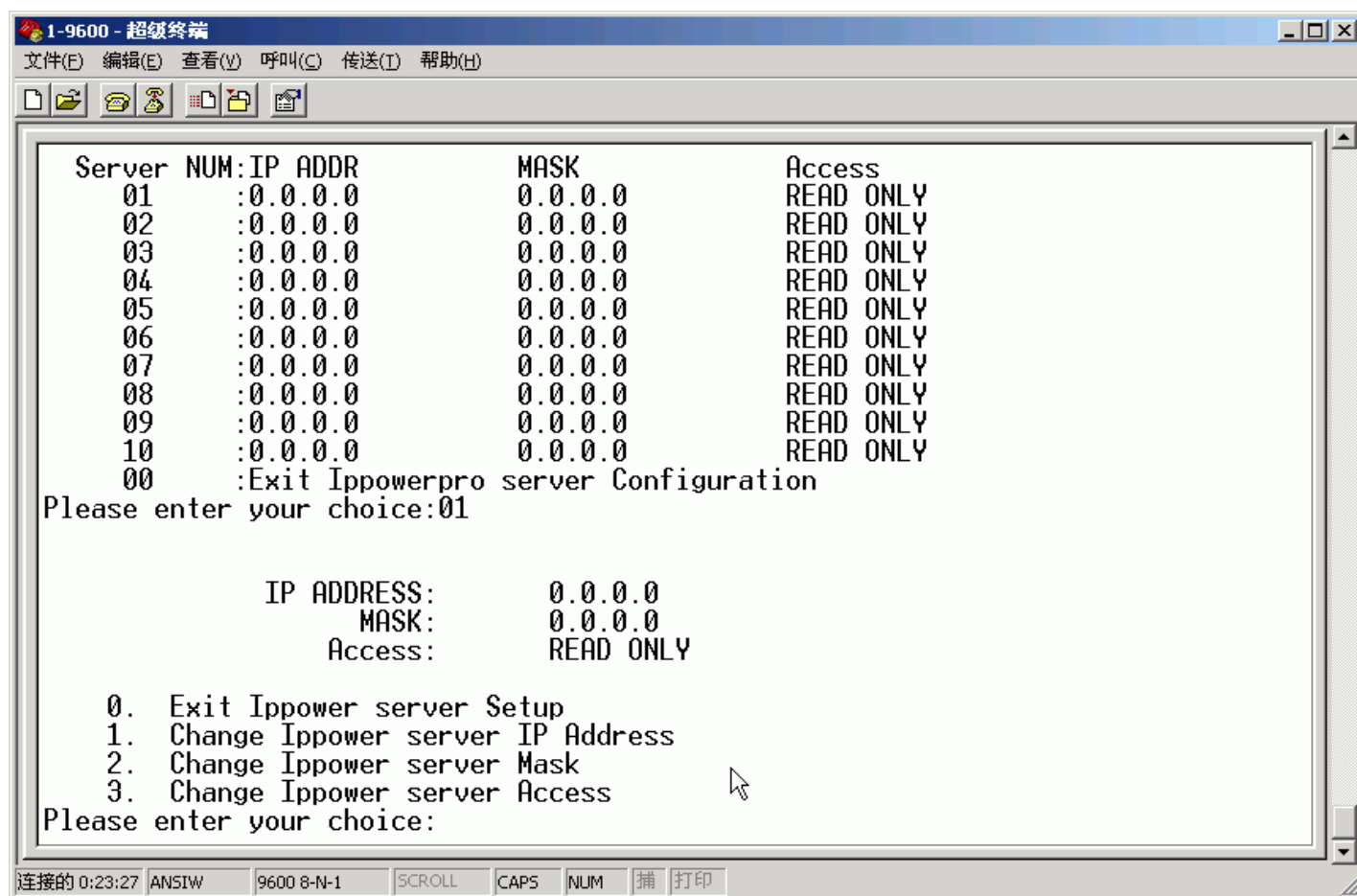


4.1.5、IPPowerPro Server Configuration

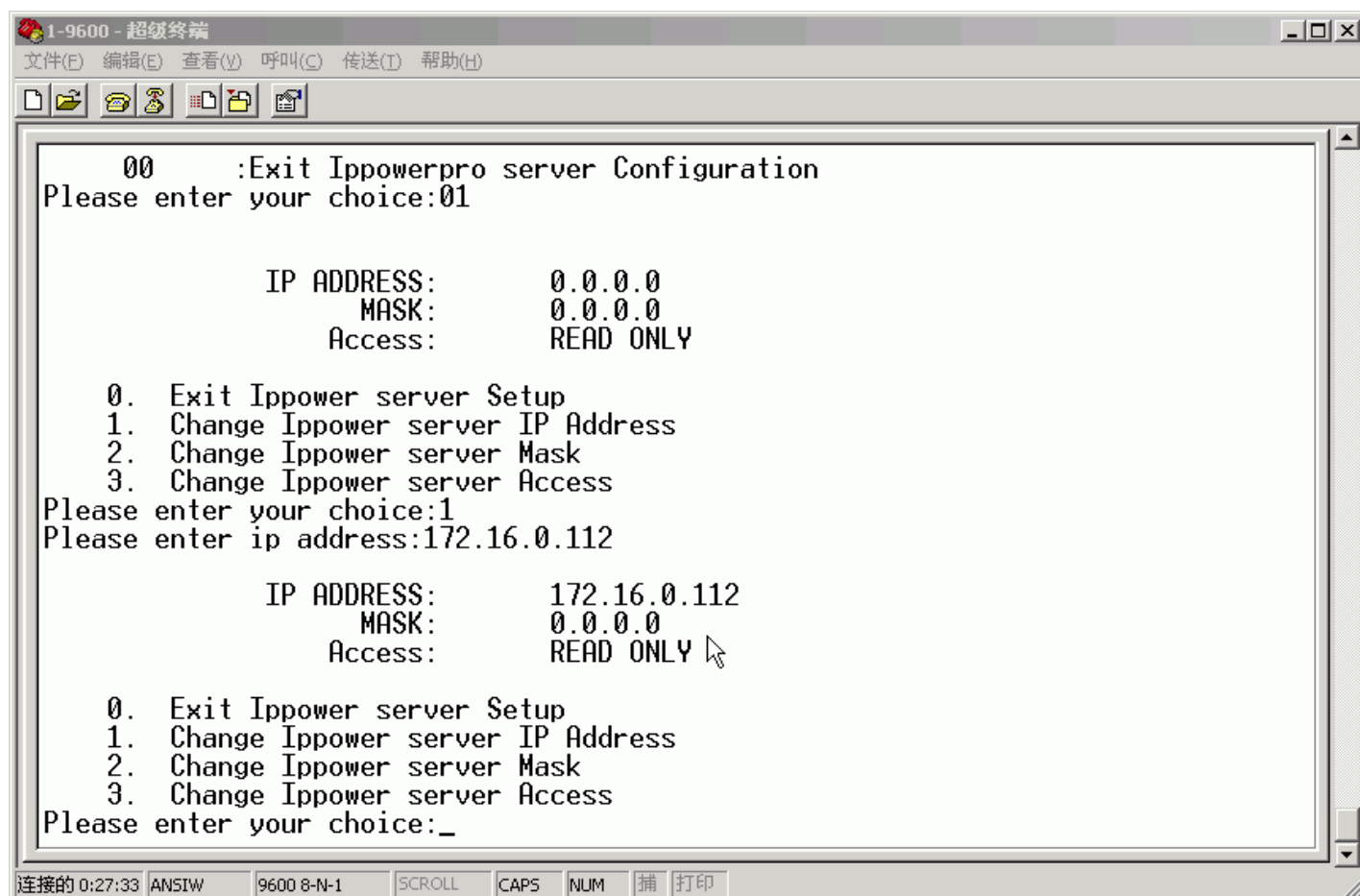
In the Netmatell configuration menu :” Please enter your choice:”, input the number ” 4”,you can go into the IPPowerPro Server Configuration, as shown below:



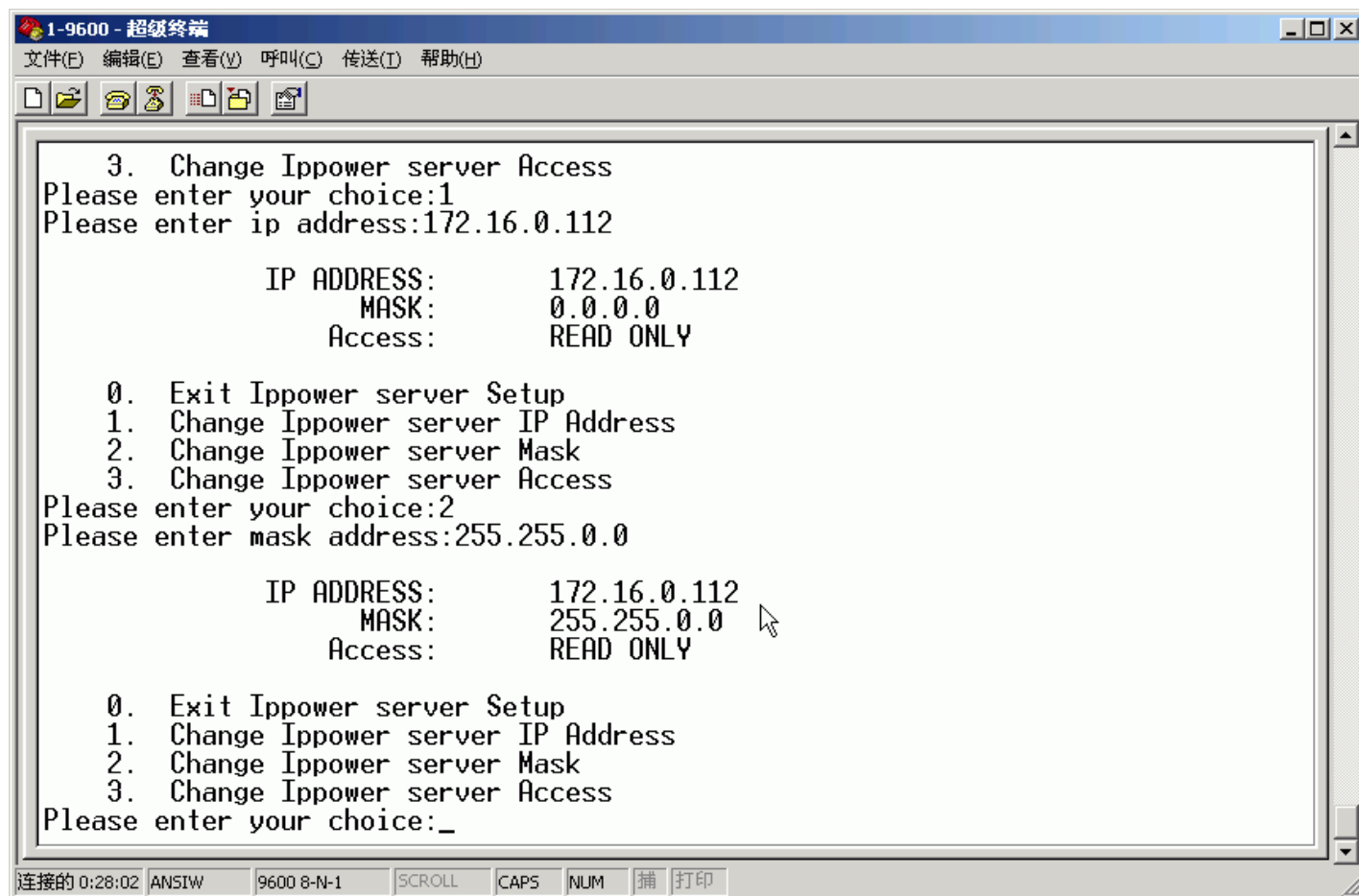
The configuration lists ten server state,including its ip address, subnet mask and access authority. Enter the suitable information in the “Please enter your choice:”,and you can enter the next level configuration menu to set the IPPowerPro Server. As shown below:



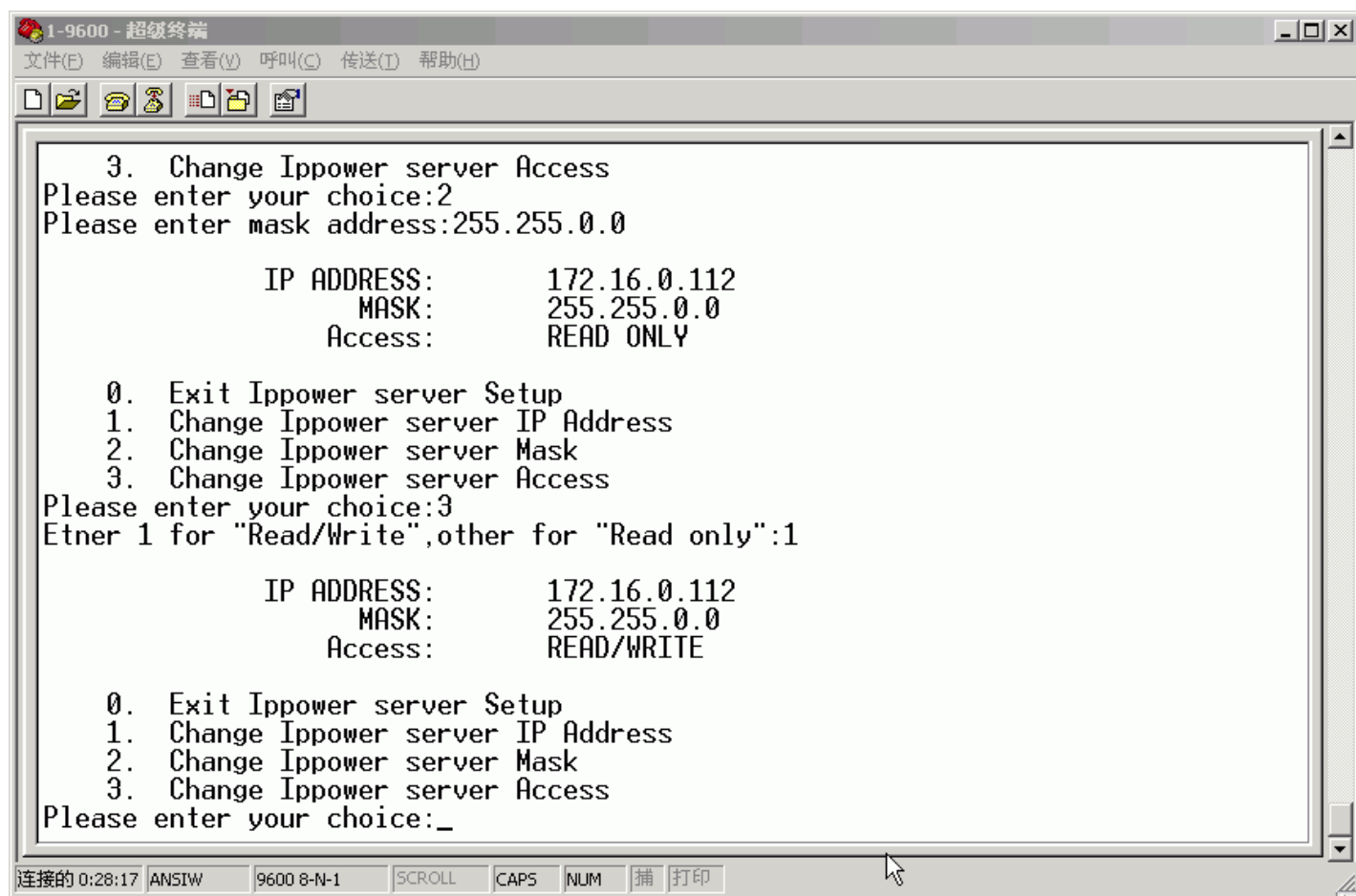
1.Change Ippower server IP Address, as shown below:



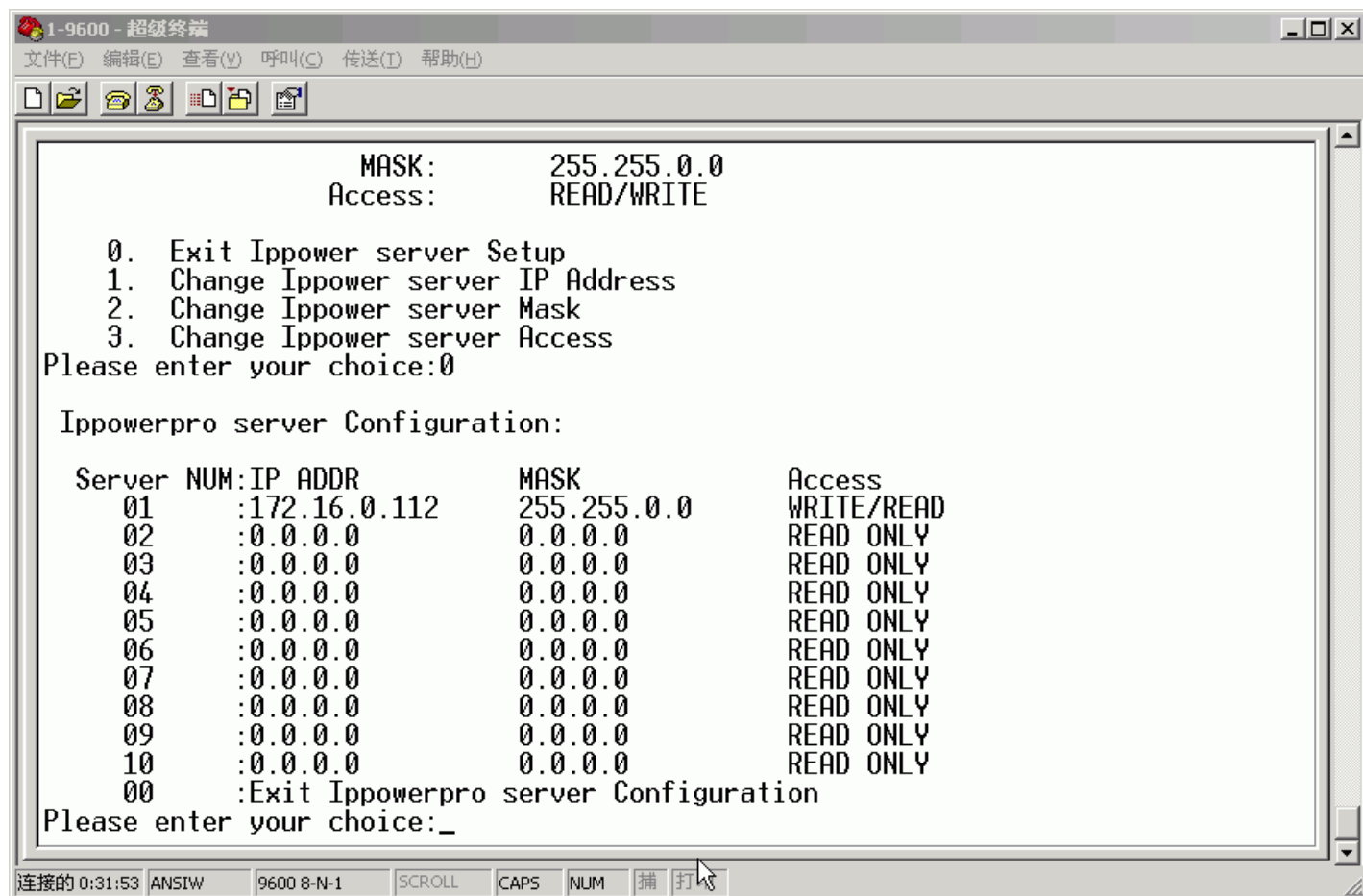
2.: change ippower server mask, as follow:



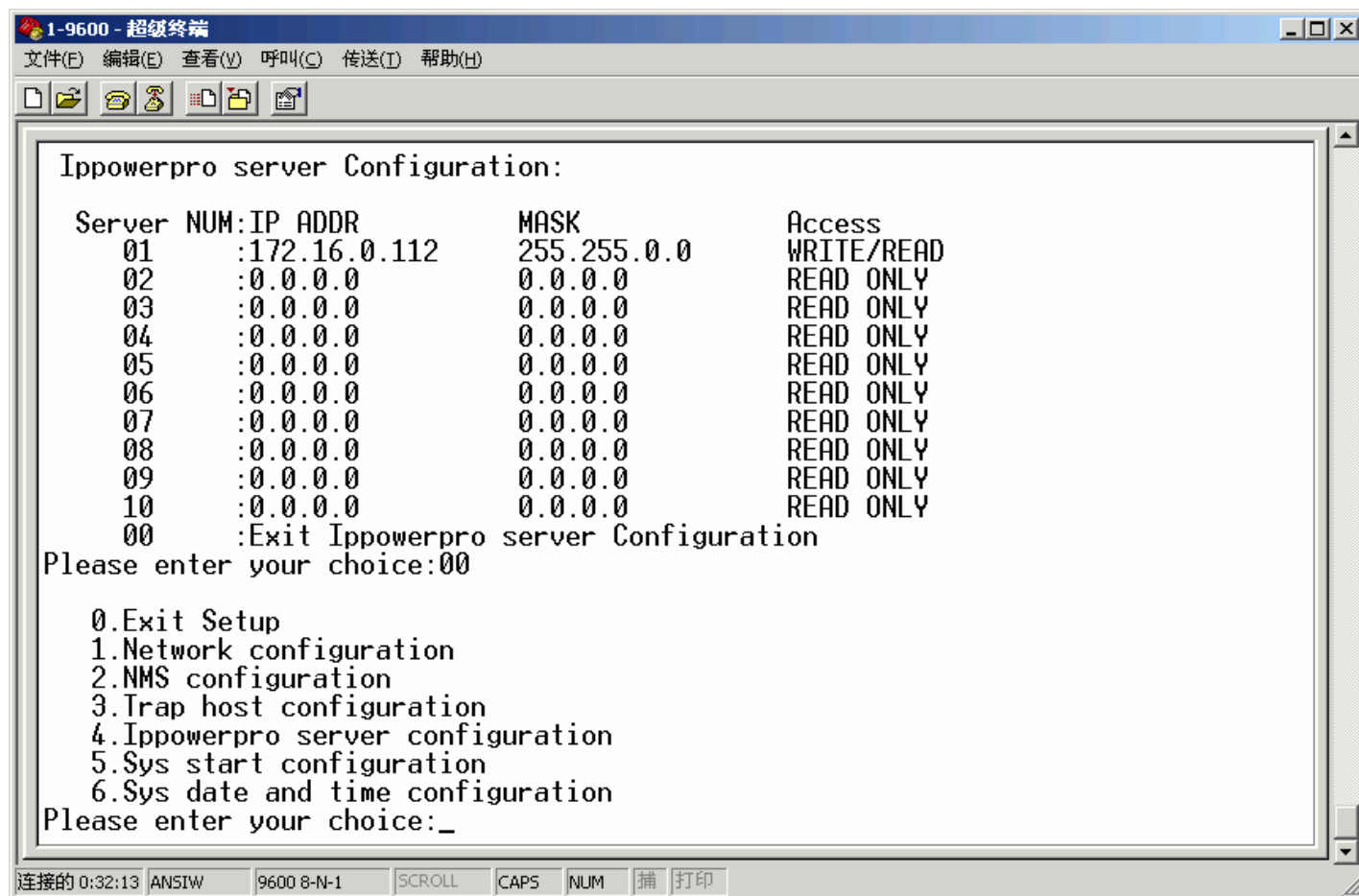
3.: change ippower server access, as follow:



0.: exit ippower server setup, enter the IPPowerPro server configuration, as shown below:

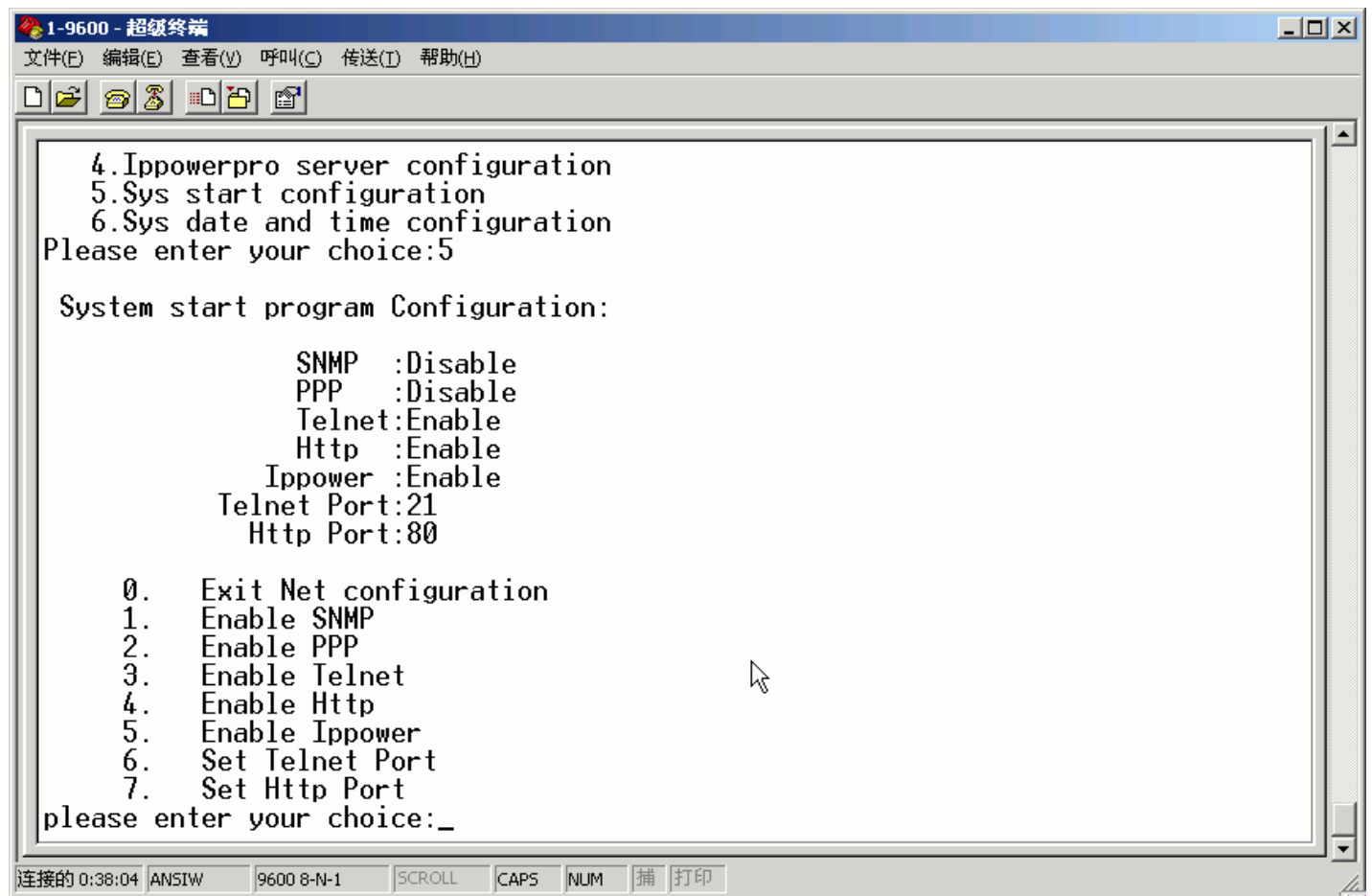


Enter “0” behind “Please enter your change:”, can enter the Netmatell Miniconfiguration menu, as follow:



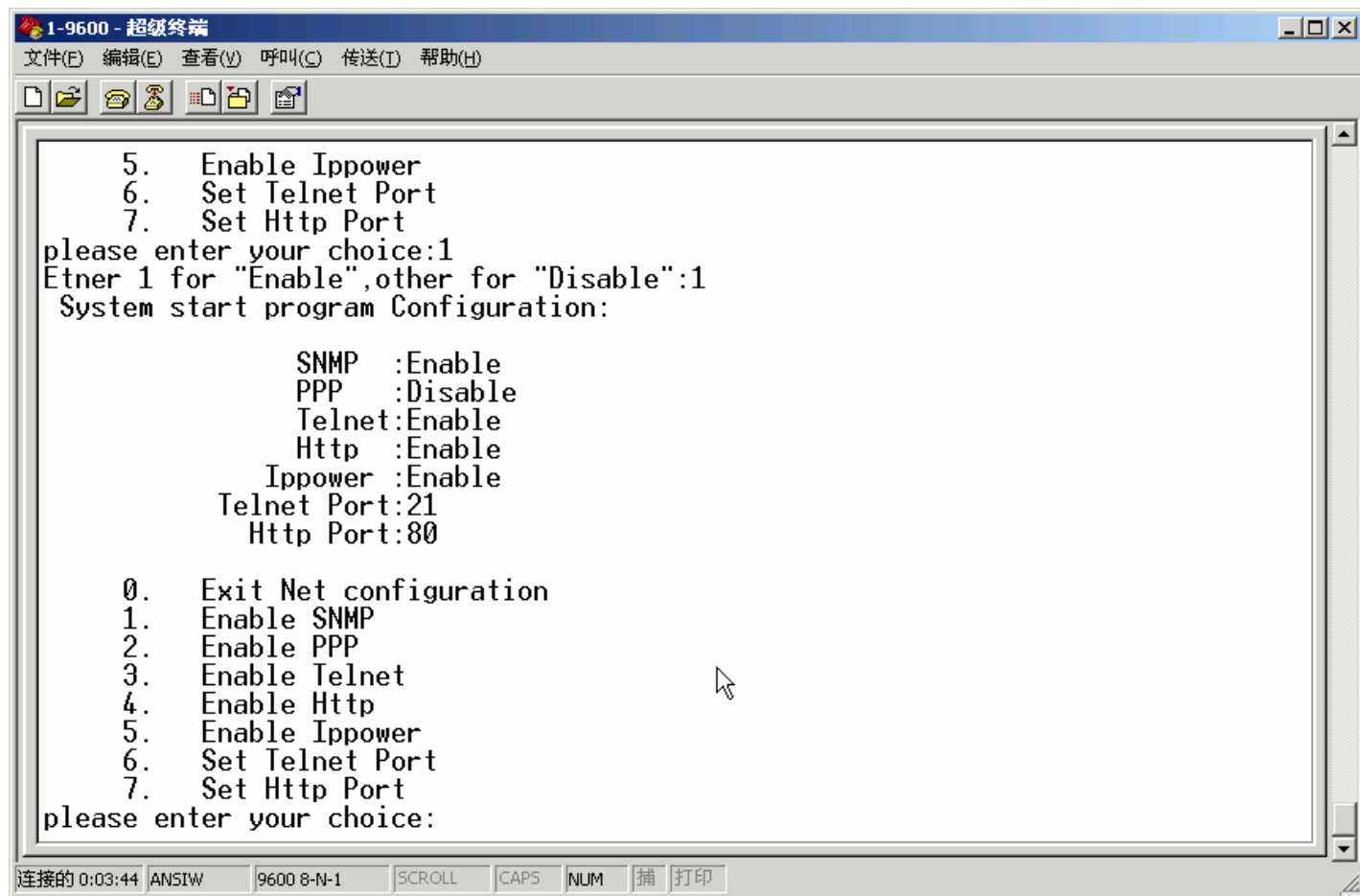
4.1.6、system start configuration

Enter “5” behind “Please enter your choice:”, can enter the Netmatell system start configuration, as shown below:

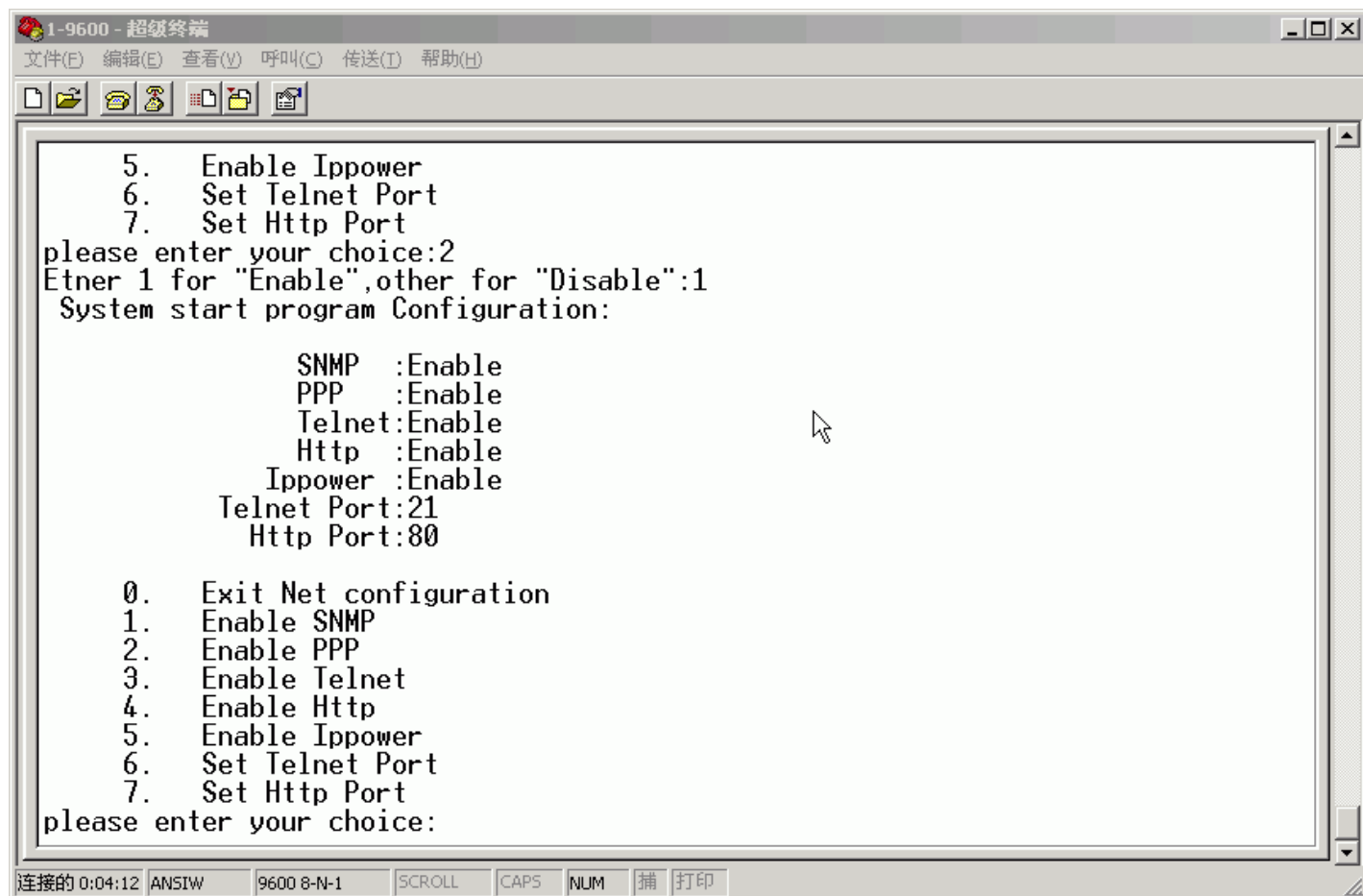


You can see the system start program configuration.

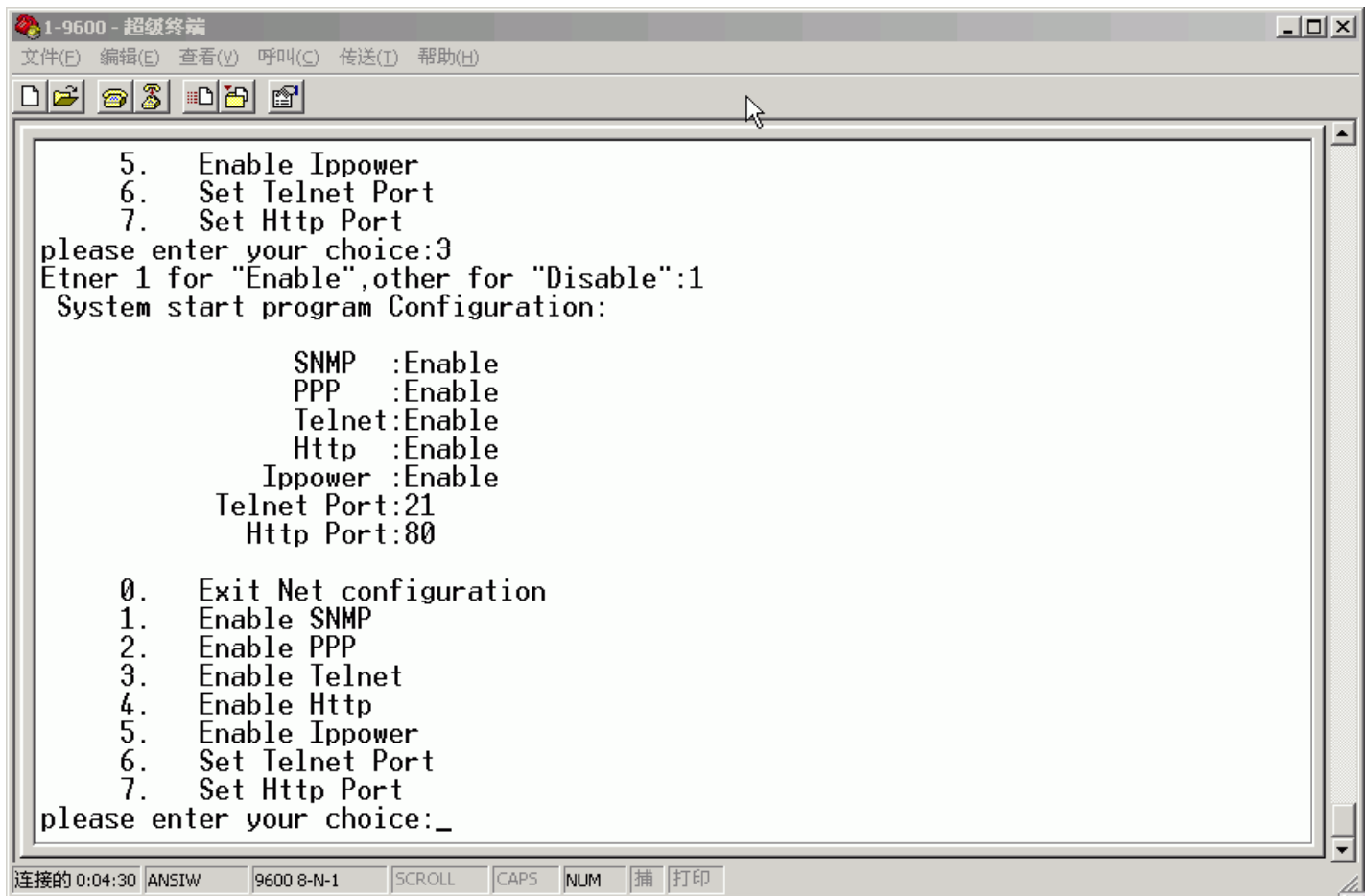
1.: Setting whether enable the SNMP, as follows:



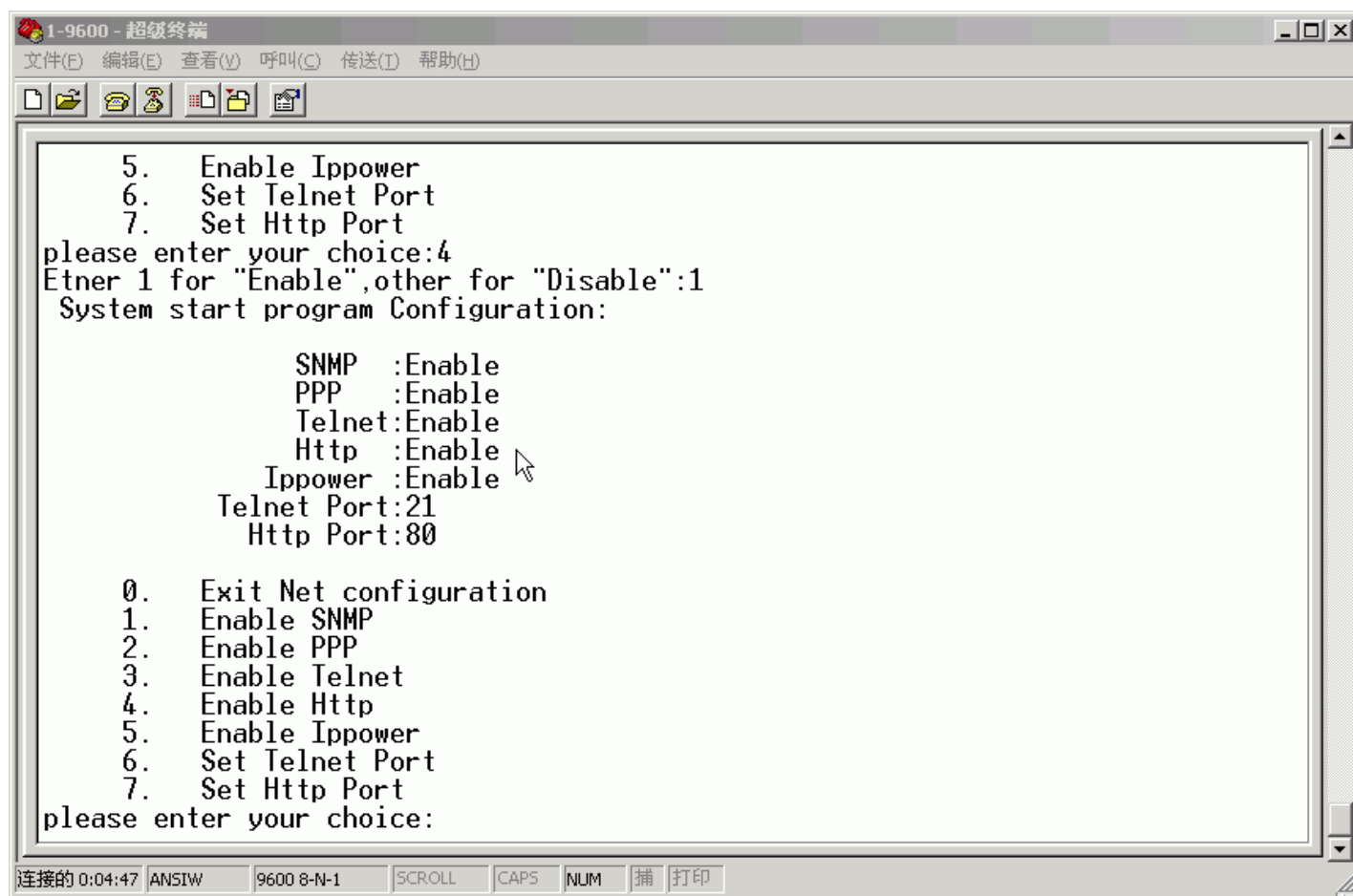
2.: Setting whether enable the PPP, as follows:



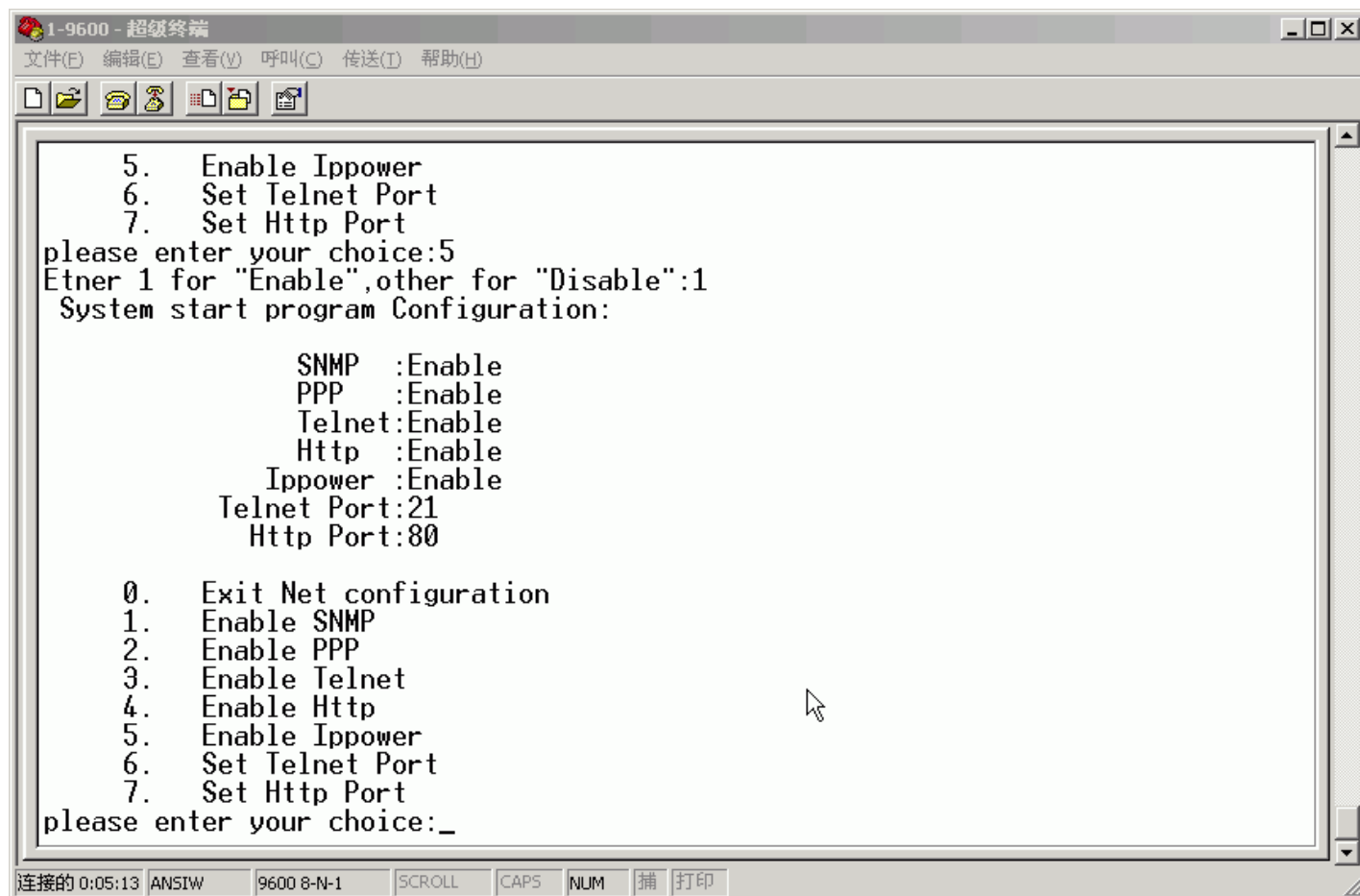
3.: Setting whether enable the telnet, as follows:



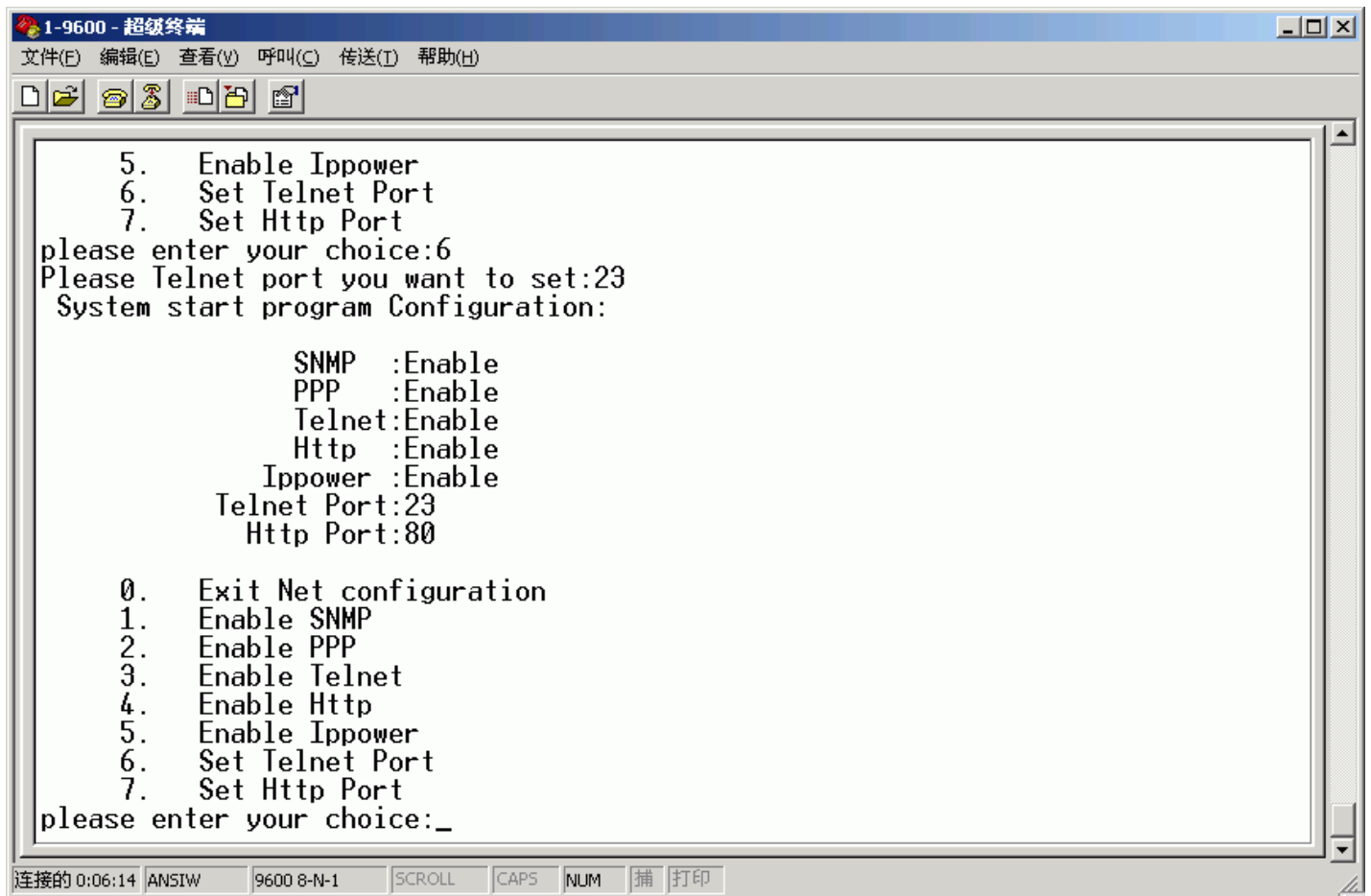
4: Setting whether enable the HTTP, as follows:



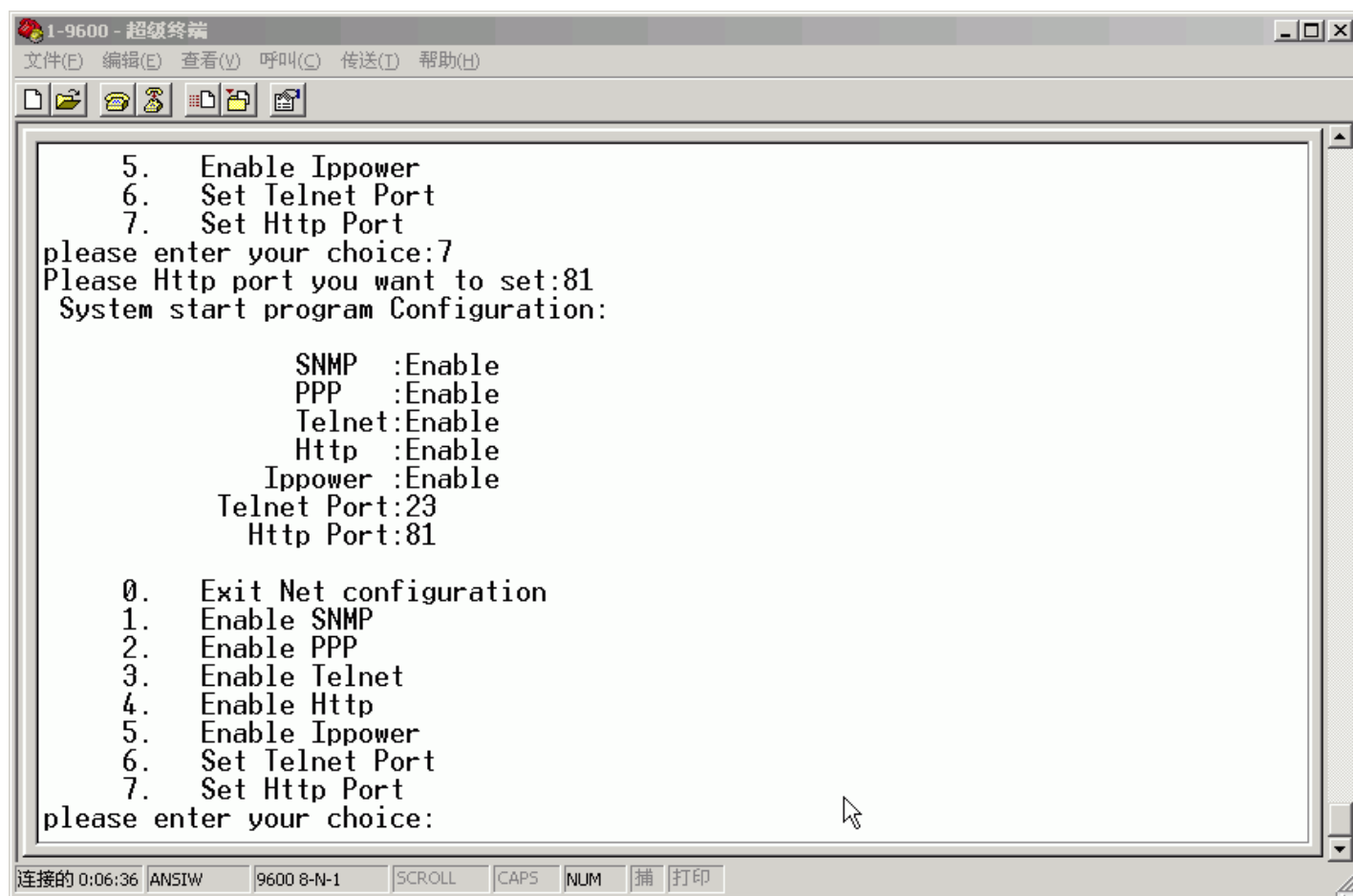
5.: Setting whether enable the ippower,, as follows:



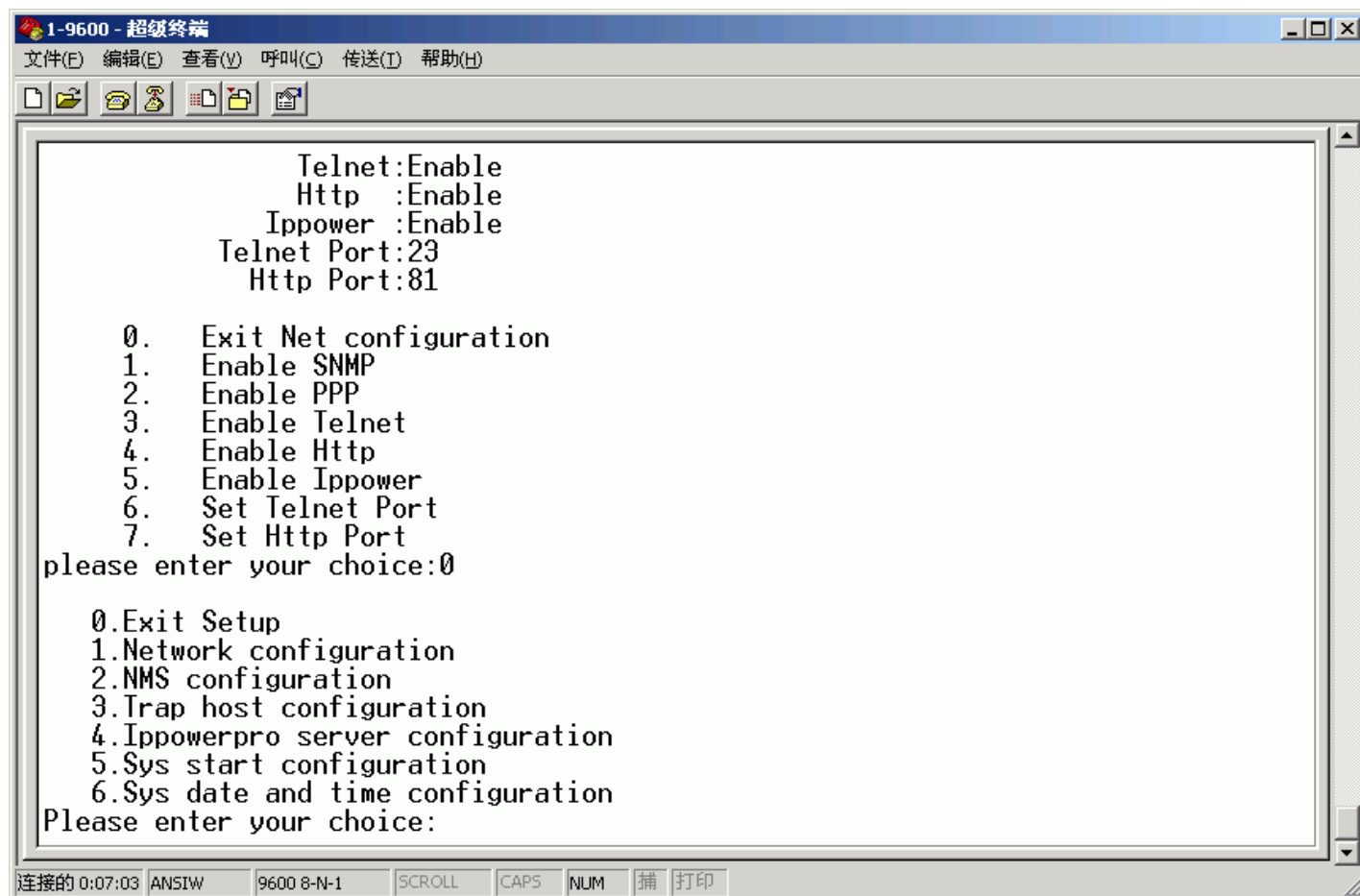
6.: Setting the telnet port,, as follow:



7.: Setting the HTTP prot,, as follows:

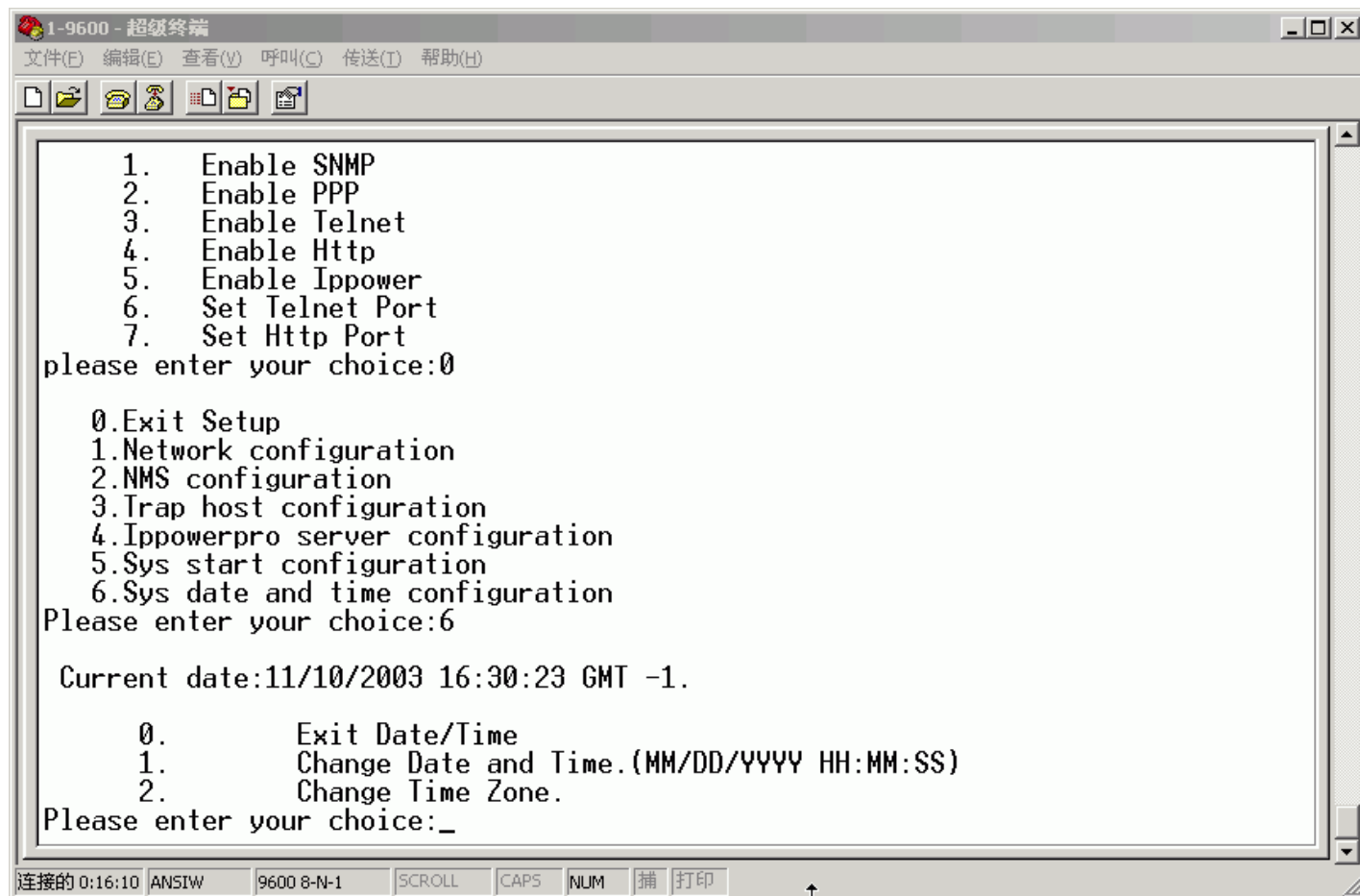


0.: exit net configuration ,enter the main configuration menu



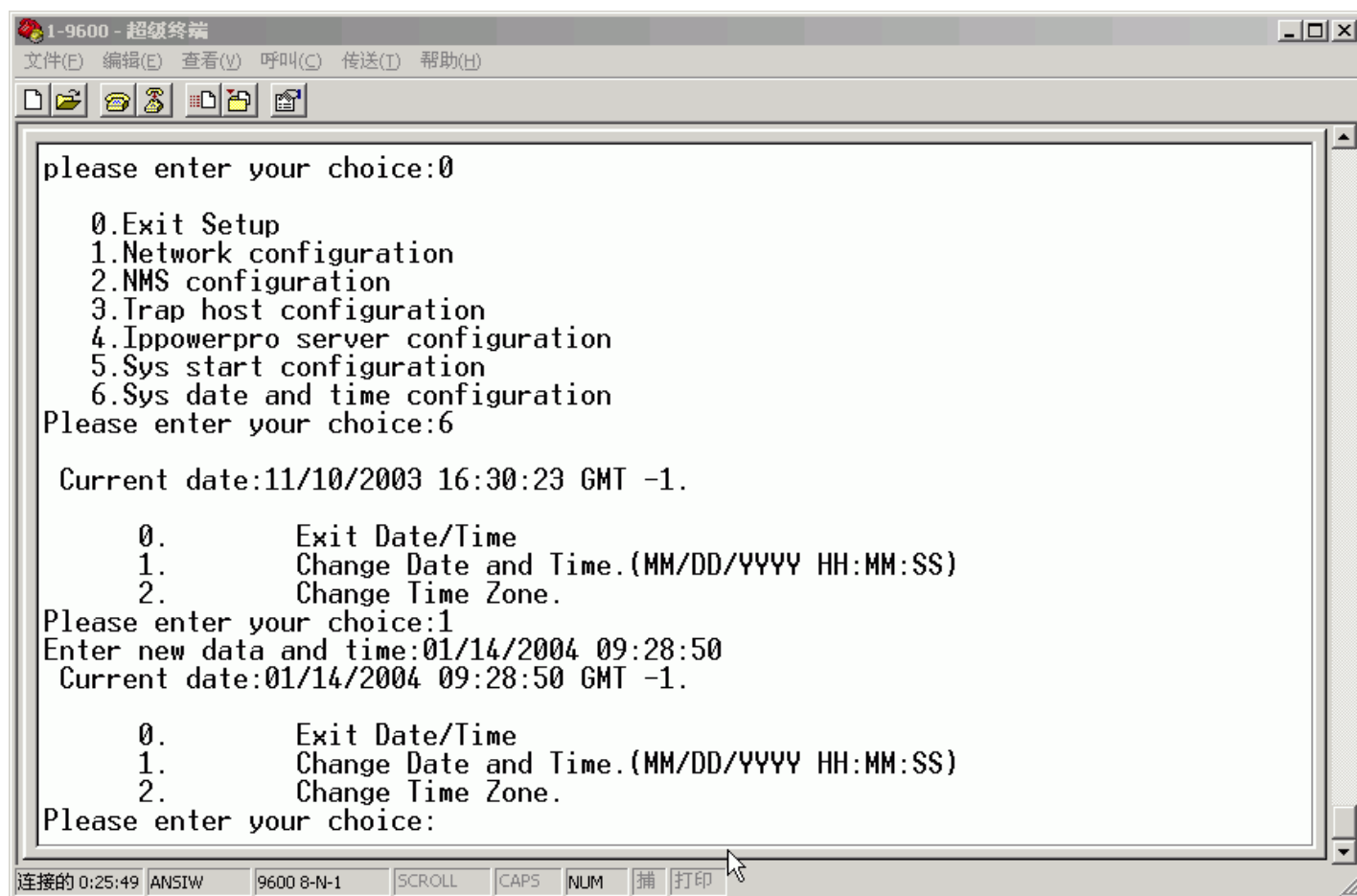
4.1.7、system date and time configuration

Enter “6” in the main configuration menu ,can enter the “system date and time configuration”, as follows:

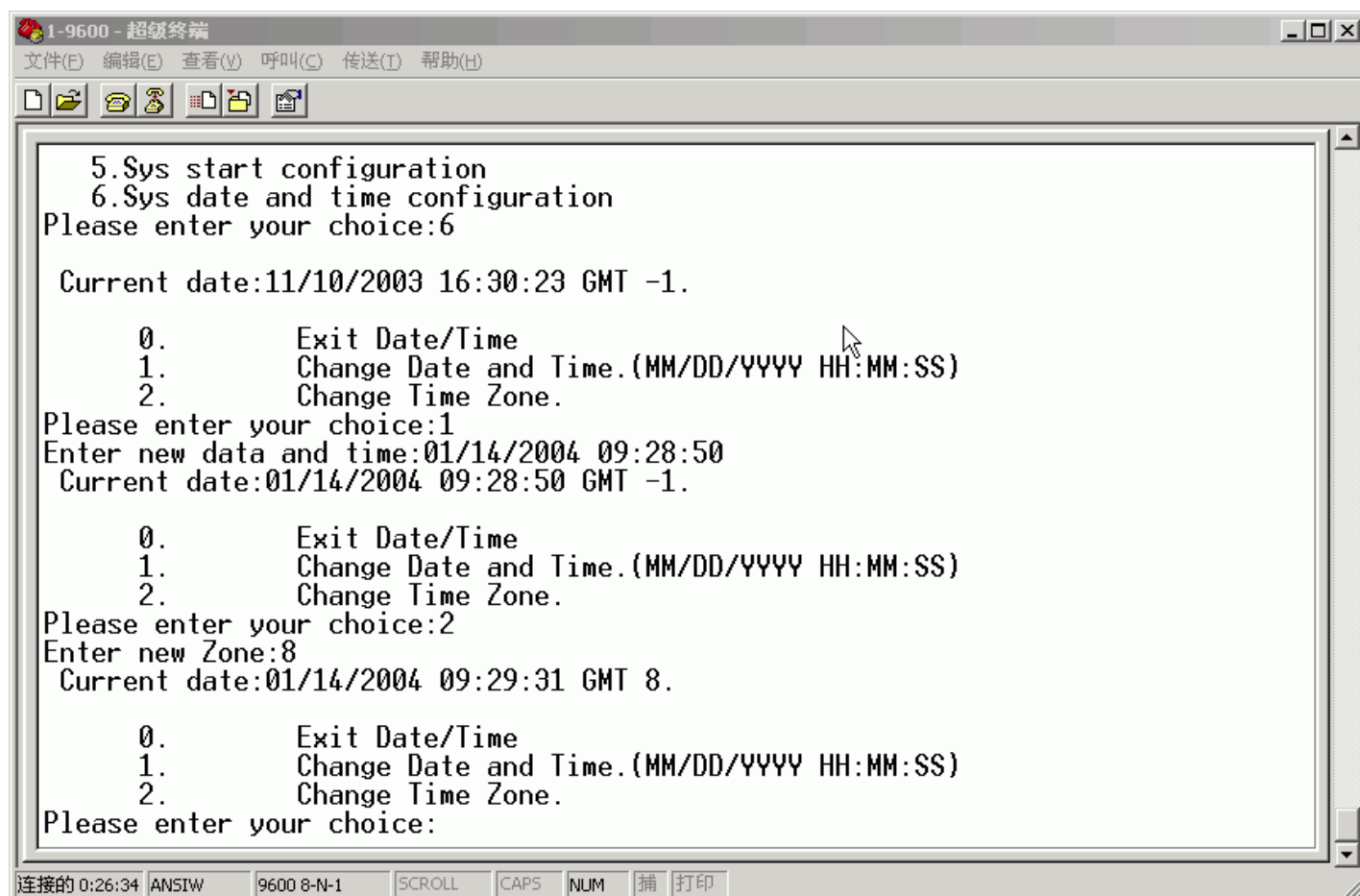


You can see the current date in the “system date and time configuration”

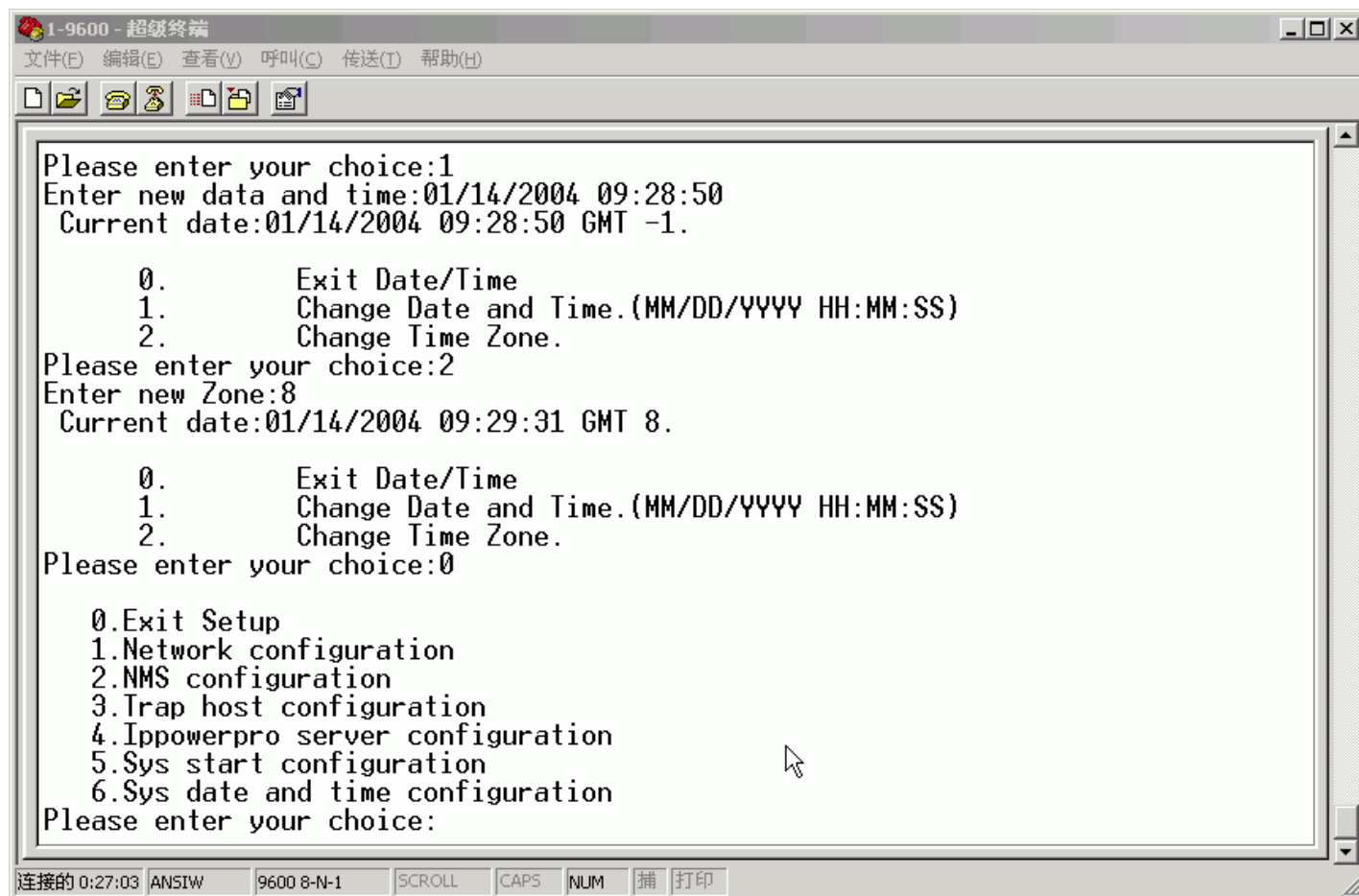
1.: change date and time, as follows:



2.change time zone ,an follows:



0.exit date/time ,enter the main configuration menu.

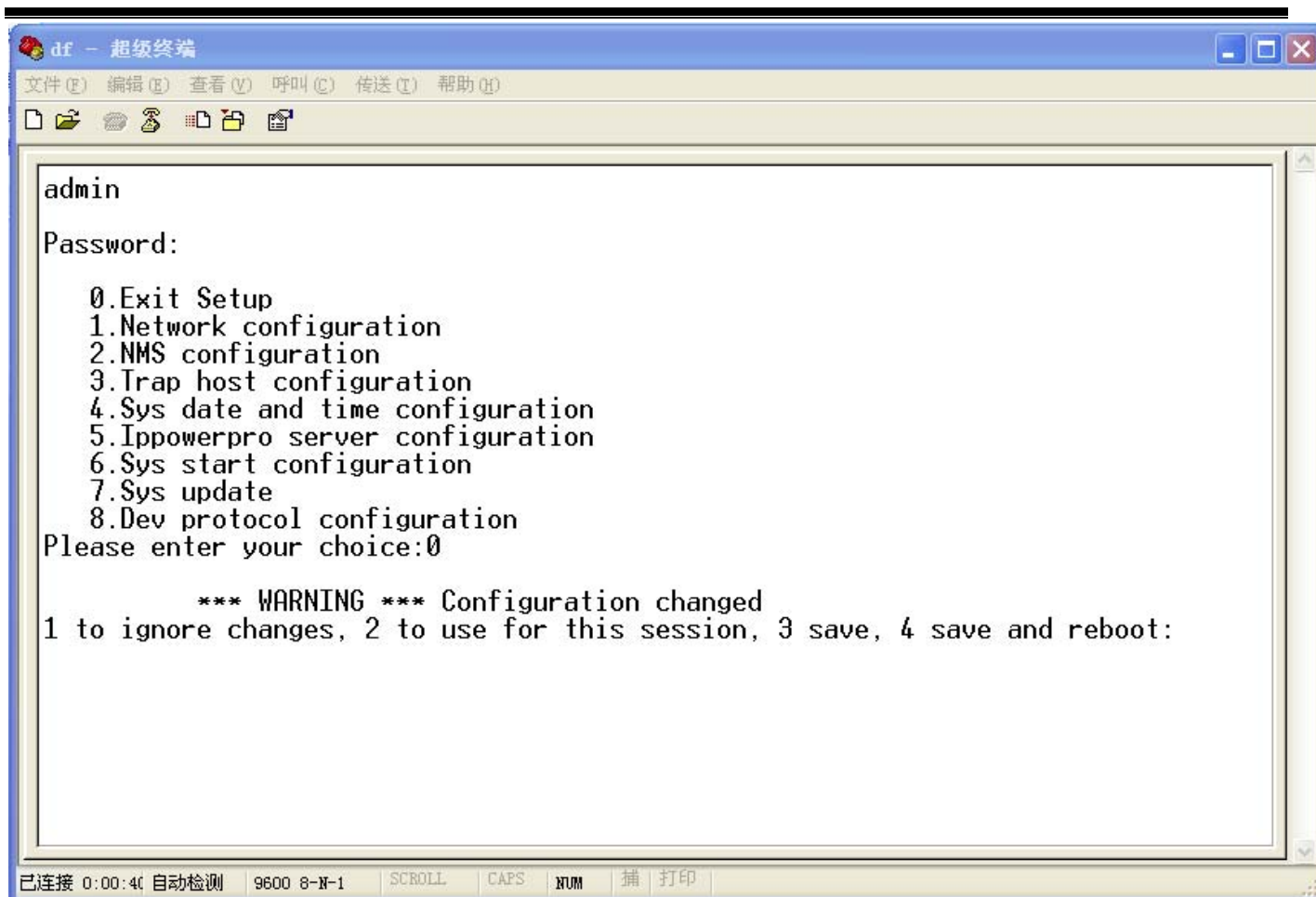


Now, and should save the setting.

4.1.8、save and reboot

You must save after setting! There are three ways save reboot for Netmatell :

: 2、to use for this session; 3、save 4、save and reboot .and the “1、to ignore changes;” is mean give up the save.



now, all the setting have completed.

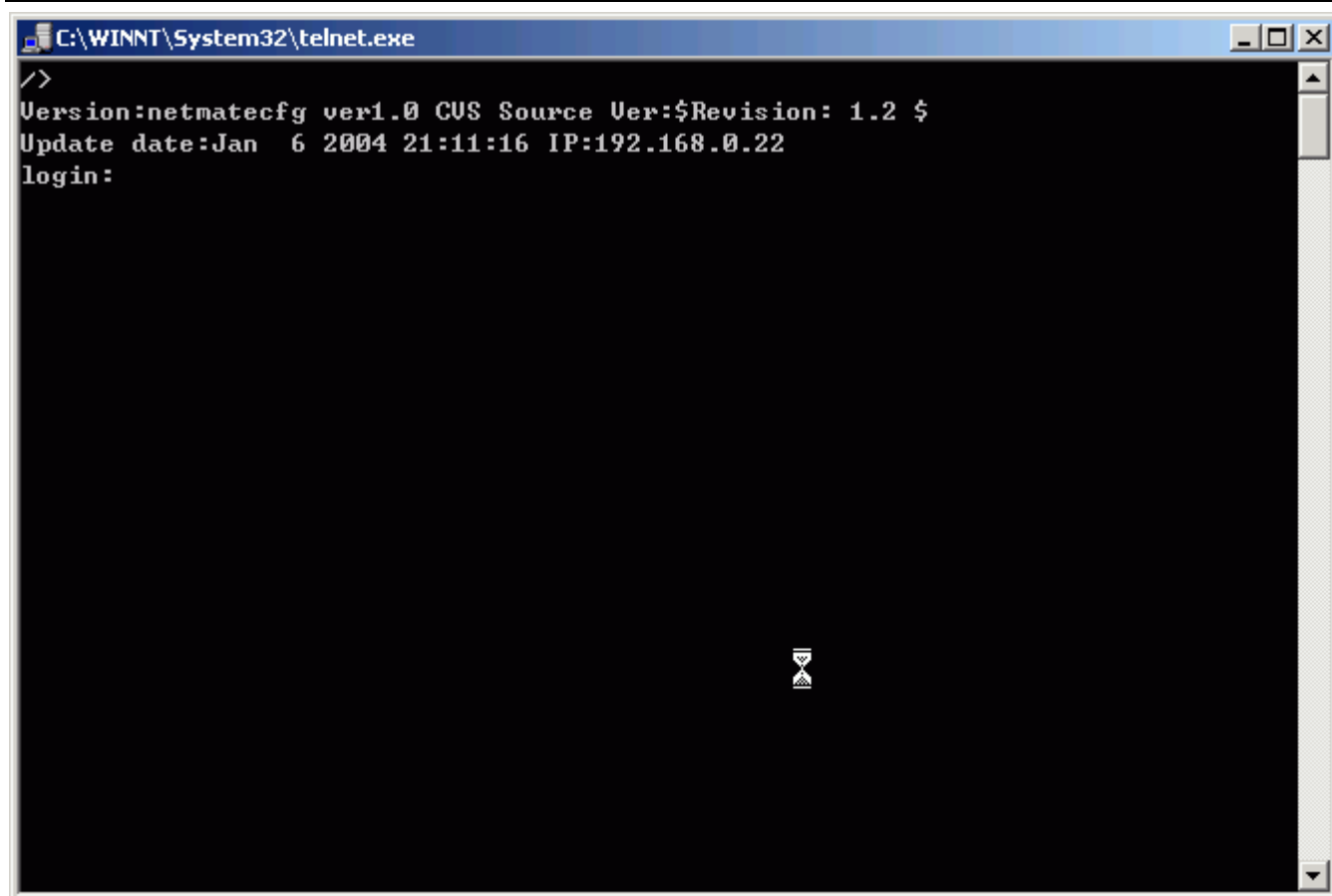
4.2、Telnet remote network configuration

Netmatell can through telnet to configure,this configuration is like to the super terminal.

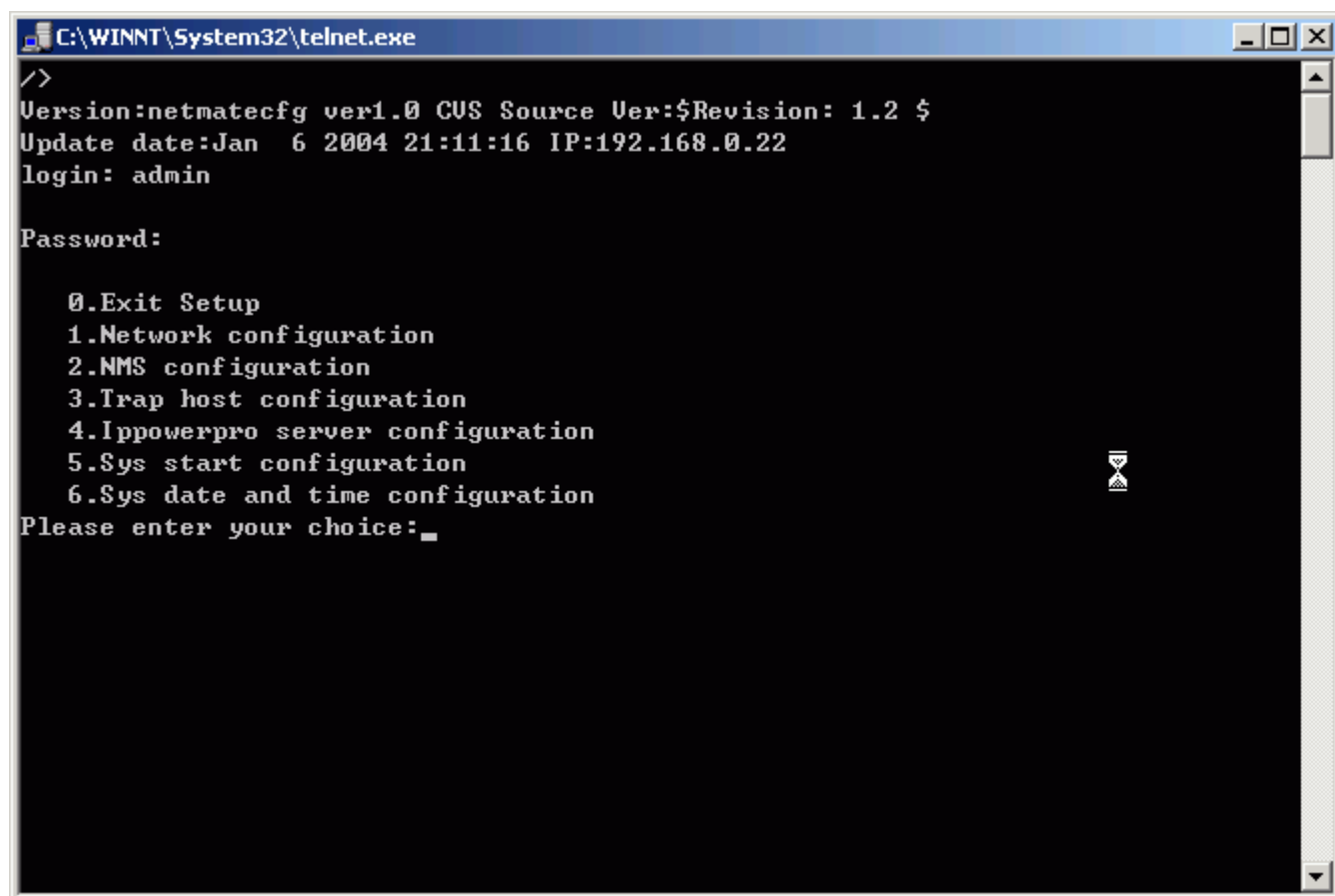
Select "start" ---"run",and inset "telnet IP address" in the window, as follows:



Press the "enter"button, as the following drawing:



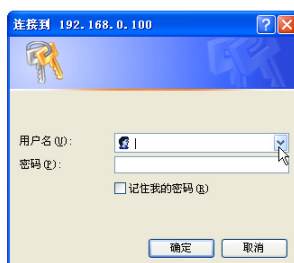
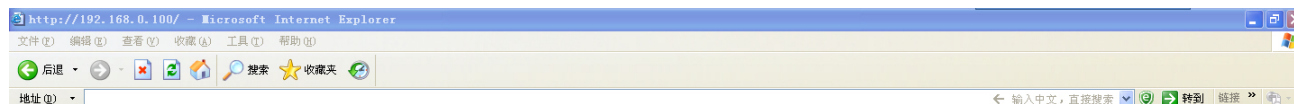
Like the configuration of the super terminal ,insert the user name and password,you can enter the Netmatell main configure menu, as follows:



4.3、Web browser configuration

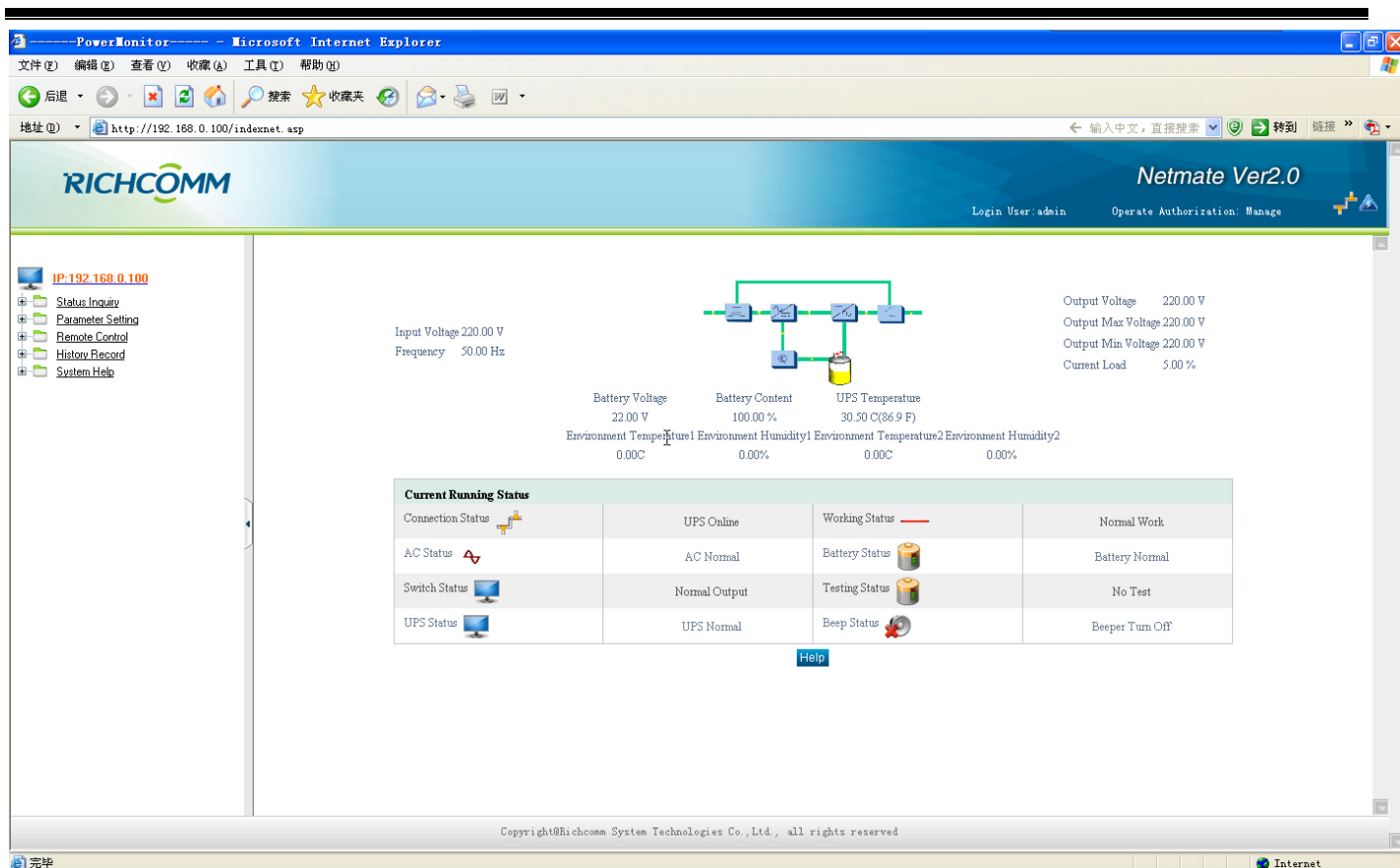
Netmatell supports the HTTP network protocol , you are able to deploy very easy to be more entire by Web browser (as Microsoft Internet Explorer and Netscape) , we take IE for example here.

Open a IE window , input the current IP of NetmateLite ,then click “enter” (leaving the factory :192.168.0.100), will pop one "importing network password " window , as follows:



In this window, you need input the user name and the password (leaving the factory: user name: admin; password: admin)

You can enter the home page of Netmatell after you input correct user name and password.as follows:



And then you can refer the system help to configure it.

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