

Exhibit E - User's Manual



NexIP IS020

*Palm Size 2-Port
Internet Sharing Station*

User's Guide

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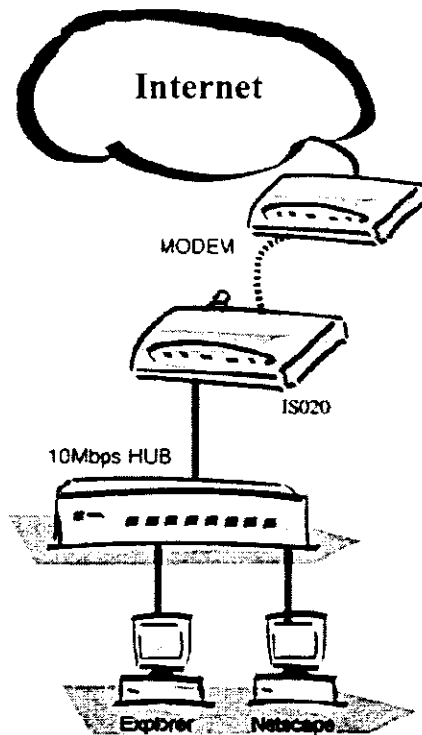
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I. Introduction

Unex's NexIP Internet Sharing Station is the most cost-effective Internet access solution available today for users. With only a single Internet account and a low cost dial-up line, it lets a small network of more than 2 desktop computers to share the vast resource available on the Internet simultaneously. Compare to traditional leased-line router configuration, the Internet Sharing Station is not only easier to use, it reduces ownership and maintenance cost dramatically with its innovative architecture. In dial-up configuration, it connects to remote Internet Service Provider (ISP) network automatically only when local users tried to access remote hosts on the Internet. So the users don't have to pay for expensive leased-line if they are not offering public services to the Internet using local servers. To further improve performance when multiple users access the Internet at the same time, the Internet Sharing Station provides additional asynchronous ports with dial-on-demand functions. The Internet Sharing Station will dial up additional connections if the primary line is congested, so the Internet access performance can be improved instantly.



Features

- **Easy to Install.** An auto-sensing LAN connection eliminates the need for configuration during installation in a 10BASE2 or 10BASE-T Ethernet LAN.
- **Simple Setup and Manage.** Provides both Web browser and terminal interface for configuration.
- **Dial-on-Demand.** Establishes connections to the Internet as required.
- **Bandwidth-on-Demand.** Dial-up the second modem or ISDN TA only when needed.
- **Idles Time Out.** Hangs up the modem if no activity detected.
- **High Speed Modem Supported.** Supports 56K modem and 128K ISDN TA.
- **PPP Authentication.** Automatically validates the log-on to Internet Service Provider.
- **DHCP Server Supported.** Acts as a DHCP server and automatically allocates an IP address to each computer on the LAN.
- **Firewall Protection.** Provides natural firewall and secure gateway for LAN users.
- **Configuration Security.** Provides password protection to prevent unauthorized users from modifying the configuration.
- **Remote Management.** Can be managed from a station running Web browser anywhere on the LAN.
- **Virtual Servers Supported.** Puts your company's Web / FTP / TELNET servers on the Internet.

- **Phone Number Hunting.** Provides up to six backup accounts.
- **Flash Firmware Upgrade.** Allows easy firmware upgrade.

Package Contents

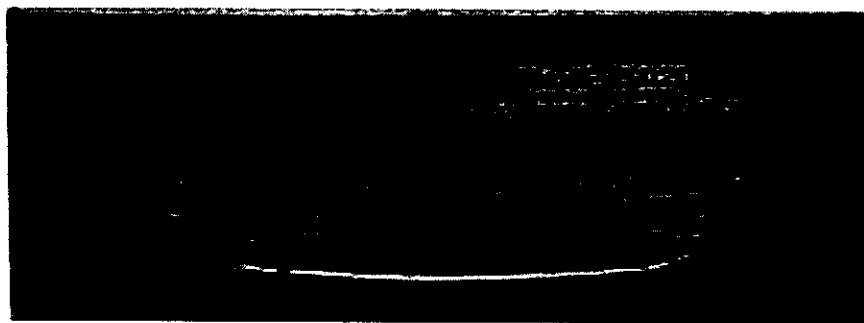
This package has:

1. One Internet Sharing Station
2. One serial cable, used for terminal configuration
3. One power adapter
4. Wall Mounting kit
5. This user's guide

II. Hardware Introduction

The components of the unit are shown as the following figure:

Front Panel

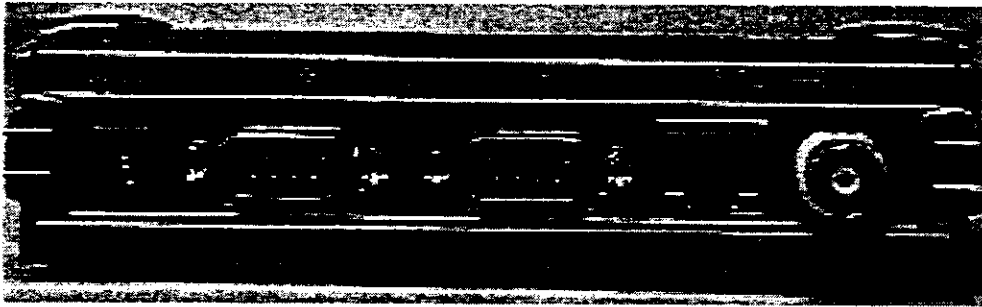


LED Status Table

PWR		ON: DC power is on OFF: No DC power
LAN	FDX	ON: Indicates communication on your LAN is operating at full-duplex mode. OFF: Indicates transmission mode is half-duplex.
	LNK	ON: Ethernet interface is being connected. OFF: Ethernet interface not connected
	ACT	Blinking: Indicates traffic passing through the Ethernet port. OFF: No traffic
WAN-1	ERR	ON: Error condition OFF: Normal condition
	UTL	(ON=1; OFF=0) Enumerate from left to right. When the WAN-1 port is connected to VT-100 compatible terminal or modem, and it is on idle state, the LEDs are used to indicate baudrate. When connection is established, the LEDs are used to indicate utilization. "000"- Port disconnected "100"- Baudrate=9.6K; or Utilization=20% "010"- Baudrate=19.2K "110"- Baudrate=38.4K; or Utilization=60% "001"- Baudrate=57.6K "101"- Baudrate=115.2K "011"- Baudrate=230.4K "111"- Baudrate= reserved; or Utilization=100%
WAN-2	ERR	ON: Error condition OFF: Normal condition

UTL	<p>(ON=1; OFF=0) Enumerate from left to right.</p> <p>When the WAN-2 port is connected to VT-100 compatible terminal or modem, and it is on idle state, the LEDs are used to indicate baudrate. When connection is established, the LEDs are used to indicate utilization.</p> <p>“000” - Port disconnected</p> <p>“100” - Baudrate=9.6K; or Utilization=20%</p> <p>“010” - Baudrate=19.2K</p> <p>“110” - Baudrate=38.4K; or Utilization=60%</p> <p>“001” - Baudrate=57.6K</p> <p>“101” - Baudrate=115.2K</p> <p>“011” - Baudrate=230.4K</p> <p>“111” - Baudrate= reserved; or Utilization=100%</p>
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Rear Panel



III. Installing the unit

■ Install the unit

This unit can be placed on a flat surface or mounted on a metallic surface or partition. Please comply with the following steps for proper installation.

Desktop Installation

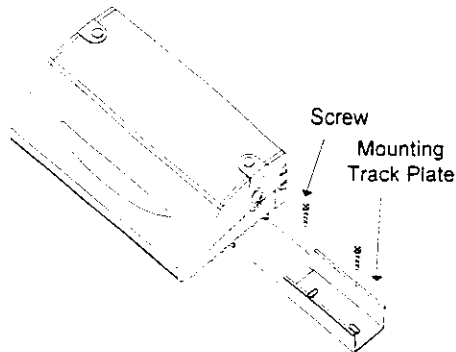
- Carefully take out the unit from its packaging
- You will find four self-adhesive rubber feet attached on the bottom of the unit, which provide space for ventilation and cushion the unit needed against vibrations. Place the unit directly on your desk.

Magnetic Mounting Installation

- Inside each of the four rubber feet, you will find a magnetic ring. Adhere this unit to steel flat surface using the magnets on the bottom of the unit.

Wall Mounting Installation

- There is a trough on the bottom of the unit, which is used for wall mounting.
- Use two screws to mount the mounting track plate onto the wall.
- Put the unit over the mounting track plate, and slide it to the suitable position.



■ Connecting your equipment

1. Connecting the Ethernet cable.

Connect a network cable to the Internet Sharing Station's RJ-45 or BNC port. This unit supports two types of network cables: Thin Ethernet (10BASE2, BNC connector) and Twisted Pair Ethernet (10BASE-T, RJ-45 connector). During power up, the unit automatically detects the type of network cable and adjusts to that environment.

2. Connect your modem.

Connect an external modem or ISDN TA, using a standard serial cable, to the WAN port on the back of the unit and to a phone line

Notes:

- Turn off the power before connecting or disconnecting modems.
- You can connect up to two modems to the Internet Sharing Station

3. Connect the power adapter.

Connect the power adapter to the unit. The Power LED should light. If not, press the Power button.

IV. Configuring the Internet Sharing Station

The easiest way to configure the Internet Sharing Station is to use your existing Web browser. Once you have set up your PC and installed web browser, you can launch your browser and view web pages from the Internet Sharing Station.

■ Setting up PC to configure the web

Before using browser to find the web pages from Internet Sharing Station, you have to manually configure your PC for TCP/IP networking. The DHCP server function of Internet Sharing Station is enabled defaultly, your PCs should be set to obtain an IP address automatically. This procedure is described in the following section.

To configure a Windows NT 3.51 system

1. Open the Main group in Program Manager.
2. Open the Control Panel and open the Network icon.
3. Select TCP/IP Protocol within the Installed Network Software Window or install it if necessary. See your Windows documentation.
4. Click the Configure button and select the Adapter Type.
5. Check the Enable Automatic DHCP Configuration checkbox.
6. Click the DNS button. Remove all entries in this window.
7. Type your computer name in the Host name box. Click OK to close the TCP/IP configuration window.
8. Click OK to close and restart your computer.

To configure a Windows NT 4.0 system

1. Right-click Network Neighborhood and click Properties.
2. Click the Protocols tab and select the TCP/IP Protocol in the list. If TCP/IP does not appear, install it. See your Windows documentation.
3. Click the Properties button and select the adapter type.
4. Make sure "Obtain an IP Address from A DHCP Server" is selected.
5. Click the DNS tab.
6. Clear all entered settings on this page except Host name. Enter your computer name.
7. Click OK on the bottom of the TCP/IP window.
8. Click OK to close and restart your computer.

To configure a Windows 95 system

1. Right-click Network Neighborhood.
2. Click Properties on the pop-up menu.
3. Click the Configuration tab and select the TCP/IP networking component and click Properties.
4. Make sure "Obtain an IP Address Automatically" is selected.
5. Select the DNS Configuration tab, and select Enable, but the fields can be left blank.
6. Select the Gateway tab and remove any addresses. Click OK.
7. Click OK to close the Network Control window.
8. Click OK to close and restart your computer.

To configure other systems

See the documentation for your operating system and set the system up for TCP/IP. Configure the system to be a DHCP client. If the system doesn't support DHCP, set an IP address that is unique to that system and in the range from 192.168.0.128 to 192.168.0.253.

■ Configuring the Internet Sharing Station

After you finish setting up and restart your computer, you can open web browser, type the following in the Location (or Address) window, and press Enter.

<http://192.168.0.254>

You should then see the first screen, which will prompt you for a password. Default password is "admin", just type admin, then click OK to continue to the configure screen.

Network Configuration

The screenshot shows a 'Network Configuration' window with a dark sidebar on the left containing buttons for 'Network', 'DHCP', 'Virtual Server', 'Modem AT Command', 'Dial-up Script', and 'Console Password'. The main area is divided into sections:

- [LAN]**: IP Address: 192.168.0.254, Network Mask: 255.255.255.0
- [WAN 1]**: Baudrate (bps): 19200
- [WAN 2]**: Baudrate (bps): 19200, Activity Mode: Always
- [Internet Account]**: A table with columns for '#', 'Phone No.', 'User ID.', 'Password', and 'IP Address'. It contains 6 empty rows for account configuration.

Network Settings:

[LAN]	IP Address:	IP address for the Internet Sharing Station. Use the default value (192.168.0.254) unless the address is already in use.
	Network Mask:	The default value 255.255.255.0 is OK for small networks.
[WAN 1]	Baudrate (bps)	Assign the data transmission speed on the serial line of WAN 1. Available speeds are 9600, 19200, 38400, 57600, 115200, and 230400 bps
[WAN 2]	Baudrate (bps)	Assign the data transmission speed on the serial line of WAN 2. Available speeds are 9600, 19200, 38400, 57600, 115200, and 230400 bps

	Activity Mode	<p>Always: WAN 2 will always be activated when the first client accesses the Internet</p> <p>Bandwidth-on-Demand (BoD): WAN 2 will be activated only when WAN 1's bandwidth is full-load.</p> <p>Disable: WAN 2 will always be disabled</p>
[Internet Account]		<p>Define a group of Internet accounts to support the function of phone number hunting.</p> <p>##Phone No.: Enter your ISP's telephone number. Use the format described in your modem's user manual.</p> <p>User ID.: Enter the account name provided by your ISP.</p> <p>Password: Enter the password for the corresponding account name.</p> <p>IP Address: Enter the IP address assigned to you by your ISP. For dynamic IP address assignment, the IP address is 0.0.0.0.</p>

DHCP Configuration

DHCP Settings

DHCP Server:	Select "Enable" to enable the function of DHCP service for local LAN. Select "Disable" to disable the function of DHCP service
DNS IP Address:	Enter the IP address(es) provided by your ISP. If you have any Domain Name Server on your local LAN, enter its IP address here.

Virtual Server Configuration

This shows the internal servers that allowed to be accessed through the Internet Sharing Station from Internet. Type 0.0.0.0 will prevent the Internet users from accessing the internal servers.

Virtual Server settings

FTP Server:	Specifies the IP address of the computer that will act as FTP server on your local LAN
Telnet Server:	Specifies the IP address of the computer that will act as Telnet server on your local LAN
WWW Server:	Specifies the IP address of the computer that will act as WWW server on your local LAN

Modem AT Command Configuration

The screenshot shows a configuration window with a sidebar on the left containing menu items: Network, DHCP, Virtual Server, Modem AT Command (selected), Dial-up Script, and Console Password. The main area is divided into two columns for WAN 1 and WAN 2. Each column has a 'Modem Model' dropdown menu set to 'Standard'. Below each dropdown are text input fields for: Initial String (AT&F), Auto-Answer String (ATSO=1), Escape Seq. Code (+++), Hang-Up String (ATH), and Dial String (ATDT). At the bottom of the configuration area are 'Send' and 'Reset' buttons.

Modem AT Command Settings

Model:	If your model is listed, simply select it, then the modem initial string will be configured automatically. If your model is not listed, try "Standard" modem If it still not work, select "Other". You will have to enter the modem initial strings, as described below.
Initial String:	Specifies the command to configure your modem or ISDN TA correctly
Auto-Answer String:	Specifies the command to set the modem or ISDN TA's auto-answer mode
Escape Seq. Code:	Specifies the code to change modem from data transmission to AT command mode
Hang-Up String:	Specifies the command to hang-up phone call for modem
Dial String:	Specifies the command (sometimes called "Dial Prefix String") to dial a phone call for modem or ISDN TA

Dial-up Script Configuration

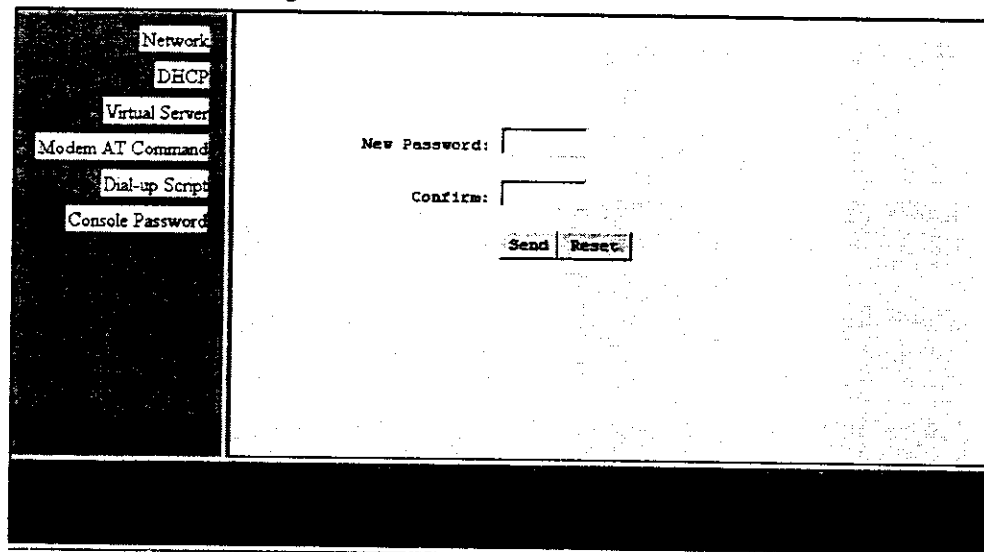
The screenshot shows a configuration window with a sidebar on the left containing menu items: Network, DHCP, Virtual Server, Modem AT Command, Dial-up Script (selected), and Console Password. The main area is divided into two columns for WAN 1 and WAN 2. Each column has an 'Enable' dropdown menu set to 'NO'. Below each dropdown is a 'Line#:' label followed by a list of 11 empty text input fields for configuring dial-up scripts.

If your ISP uses a scripting process for logging onto the network and starting a PPP connection, you can do this with the login script. The login script lets you write a script that automatically logs in and starts your PPP session as if you had typed the commands. Each line in the script waits for a prompt from the host computer or sends a response to the host computer.

Dial-up Script Settings

Enable	Set "YES" to run script file before PPP takes over; set "NO" to run PPP directly
Line#	The login script commands and some examples are described on <i>Appendix B</i>

Console Password Configuration



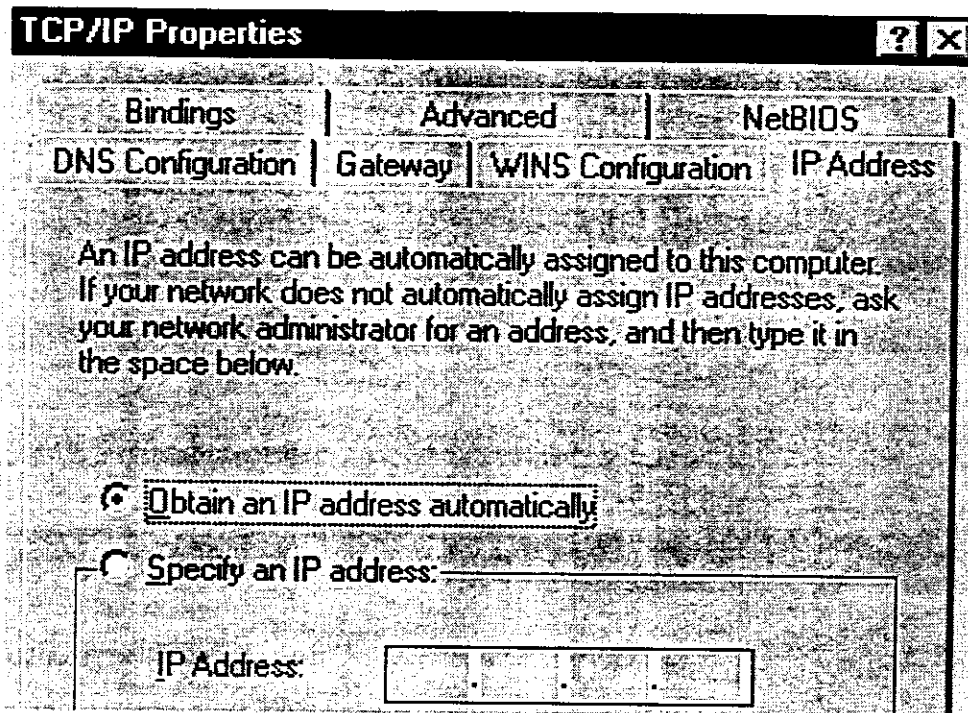
The current password can be changed, the new password will be required for the next time that you want to configure the unit.

■ Setting up the other PCs

Once the Internet Sharing Station has been configured on your LAN, it is ready for use. However, the PCs on your network must be configured for TCP/IP networking.

You have to set up all of the PCs on your LAN to be DHCP clients that will obtain an IP address from Internet Sharing Station automatically. The following describes how to configure your Win95 station to be a DHCP client. For other operating systems, see *Setting up PC to configure web* on page 4.

1. Right-click Network Neighborhood.
2. Click Properties on the pop-up menu.
3. Click the Configuration tab and select the TCP/IP networking component and click Properties.
4. Make sure "Obtain an IP address automatically" is selected, like the following.



5. Select the DNS Configuration tab, and select Enable, but the fields can be left blank.
6. Select the Gateway tab and remove any addresses. Click OK.
7. Click OK to close the Network Control window.
8. Click OK to close and restart your computer.

Note:

Once the Internet Sharing Station has been configured, the management station should be restarted to get the new TCP/IP settings from the Internet Sharing Station.

■ Customizing TCP/IP settings

The Internet Sharing Station is preconfigured for installation on a network that is not set up for TCP/IP. It uses a range of private IP addresses in a range from 192.168.0.1 to 192.168.0.254, with the address of the Internet Sharing Station preset to 192.168.0.254.

If you have already set up the TCP/IP protocol on your network, you can customize the Internet Sharing Station to fit your existing IP policy. For more information about the IP policy used by the Internet Sharing Station, see *Appendix A*.

To customize TCP/IP settings for your existing network

1. From the Internet Sharing Station web page, select the **DHCP** hyperlink will take you directly to the DHCP configuration screen.
2. If the systems on your network already have public IP addresses, set 'DHCP Server:' to "Disable", then click "Send" button.
3. Select the **Network** hyperlink and change the Internet Sharing Station's IP Address to an address that is valid for your network, then click "Send" button.

Note: For most connections to an ISP, you should use private IP Addresses (i.e., 192.168.0.1 to 192.168.0.254). This enables Network Address Translation (NAT) so the Internet Sharing Station translates local IP addresses to the IP address obtained from your ISP. To disable NAT, you must have public IP Addresses for each PC and Internet Sharing Station on your network.

V. Troubleshooting

Troubleshooting gives you solutions to problems that may occur during installation and operation of the Internet Sharing Station.

1. Problem: No power to the Internet Sharing Station
Possible Cause: The power adapter is a defective one.

- Solution: Check the power cord and power outlet to verify its connection. If it still remains unlit, please replaced another power adapter.
2. Problem: Can't connect to the Internet
- Solution:
1. Check the phone link
 - Check the phone line. If it's a regular analog line, connect a telephone and see if you get a dial tone. Dial your ISP number to see if you get a modem tone.
 - Is a 9 required for an outside line ?
 2. Check the TCP/IP setup on your PC.

On Windows 95: Run *wiipcfg* from Run on the Start menu. The PC should have an IP address of 192.168.0.n, where n is from 1 to 127. If the IP address is not in this range, click Release then click Renew.

On Windows NT: Type *ipconfig* from the command prompt. The PC should have an IP address of 192.168.0.n, where n is from 1 to 127. If the IP address is not in this range, type the following commands:
ipconfig / release
ipconfig / renew
 3. Make sure your browser is not configured to connect through a proxy server. If it is, disable this setting:

In Internet Explorer: Click Internet Options on the View menu. Then click the Connection tab and disable the "Access the Internet using a proxy server" check box.

In Netscape Navigator: Click Network Preferences on the Options menu. Then click the Proxies tab and click No Proxies.
3. Problem: Can not communicate with the ISP.
- Solution:
1. This is mostly likely a problem due to the fact that your baudrate setting is too high for your modem or ISDN TA. Sometimes the maximum baudrate that your modem or ISDN TA claims it can achieve is not really attainable because of phone line quality
 2. Talk to your ISP to see if the login script is required.
4. Problem: My Modem/ISDN TA is working fine with my PC running Windows 95. How do I find its initial string ?
- Solution:
1. Select My Computer, then Dial-Up Networking.
 2. Select the icon for your connection, then properties.
 3. Click the Configure button, then Connection tab.
 4. Select Advanced , then check the option Record a log file, click OK and exit.
 5. Use Dial-up Networking to make your on-line connection normally. A log file MODEMLOG.TXT will be created in your Windows directory.
 6. Examine the file to determine the Initial String,

VI. Specifications

Standards and Protocols

IEEE 802.3 10BASE-T and 10BASE2

TCP/IP, PPP, CHAP/PAP, DHCP

Operational Characteristics

LAN port: 10BASE2/10BASE-T auto sensing

WAN speed: 230.4Kbps max. DTE speed

Power Characteristics

External Power Adapter:

Input Voltage: 100VAC, 60Hz / 120VAC, 60Hz / 230VAC, 50Hz / 240VAC, 50Hz
Output Voltage: 9 VDC, 1 A

Physical Characteristics

Number of ports: 1 x 10BASE-T/10BASE2, 2 x RS-232
Panel indicators: PWR, Link, Activity, Full Duplex, Error, Utilization, Baudrate
Weight: 0.28 kg
Dimensions: 135 x 104 x 35 mm (L x W x H)
Temperature:
 Operating: 0°C to 40°C;
 Storage: - 20°C to 70°C
Humidity: 5% to 95% (non-condensing)
Approvals:
 EMI: FCC Class B, VCCI Class B, CISPR22 Class B
 Safety: TÜV/GS, UL, cUL

Regulatory Standards Compliance

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

EMI Information

Warning! 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. 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 the one which the receiver is connected to
- Consult the dealer or an experienced radio/TV technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

You may use unshielded twisted-pair (UTP) for RJ-45 connections.

Warnings!

1. Wear an anti-static wrist strap or take other suitable measures to prevent electrostatic discharge whenever handling this equipment.
2. When connecting this hub to a power outlet, connect the field ground lead on the tri-pole power plug to a valid earth ground line to prevent electrical hazards

Safety Information

Grounding

These are safety class III product and have protective earthing terminals. There must be an uninterruptible safety earth ground from the main power source to the product's input wiring terminals, power cord, or supplied power cord set. Whenever it is likely that the protection has been impaired, disconnect the power cord until the ground has been restored.

For LAN cable grounding:

- If your LAN covers an area served by more than one power distribution system, be sure their safety grounds are securely interconnected.
- LAN cables may occasionally be subject to hazardous transient voltages (such as lightning or disturbances in the electrical utilities power grids). Handle exposed metal components of the network caution.

Servicing

There are no user-serviceable parts inside these products. Any servicing, adjustment, maintenance, or repair must be performed only by service-trained personnel. These products do not have a power switch; they are powered on when power cord is plugged in.

FCC Declaration of Conformity (For USA Only)

ANSI C63.4-1992 Methods of Measurement
Federal Communications Commission 47 CFR Part 15, subpart B
15.107 (e) Class B Conducted Limits
15.109 (g) Class B Radiated Emissions Limits

VCCI Class B (For Japan Only)

この装置は、情報技術装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

CE Mark Declaration of Conformity

This is to certify that this product complies with ISO/IEC Guide 22 and EN45014. It conforms to the following specifications:

EMC:

EN55022 (1988)/CISPR-22 (1985)	class B
EN55024-2 (1990)/IEC 61000-4-2 (1995)	4kV CD, 8kV AD
EN55024-3 (1991)/IEC 61000-4-3 (1995)	3V V/m
EN55024-4 (1992)/IEC 61000-4-4 (1995)	1kV - (power line) 0.5kV - (signal line)

This product complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC

Safety Compliance

EN60950, UL 1950

Warning!

Do not plug a phone jack connector in the RJ-45 port. This may damage the hub.

Sicherheitshinweise

1. Die Steckdose muß sich in der Nähe des Gerätes befinden und leicht zugänglich sein.
2. Zum Reinigen den Stecker aus der Steckdose ziehen. Beim Reinigen keine Flüssigreiniger oder Sprays verwenden, sondern ein angefeuchtetes Tuch.
3. Das gerät nicht in NaBräume oder in der Nähe von Wasser benutzen, wie z.B. Badezimmer, Schwimmbad, Spülbecken usw. . Das Eindringen von Wasser kann zur Zerstörung des Gerätes führen.
4. Das gerät nicht auf einer unstabilen Unterlage, wie z.B. Rollwagen, Gestell usw., aufstellen. Es könnte herunterfallen und Verletzungen oder Beschädigungen von Mensch und Gerät verursachen.
5. Die Belüftungsöffnungen nicht blockieren oder auf falscher Oberfläche, wie Bett, Sofa usw., stellen. Durch die Blockierung kann es zur Zerstörung des Gerätes durch Überhitzung kommen.
6. Versuchen Sie niemals dieses Gerät selbst zu warten, da beim Öffnen oder Abnehmen des Gehäuses die Gefahr eines elektrischen Schlages besteht.
7. Keine Gegenstände auf das Anschlußkabel stellen, damit es nicht durch scharfe Kanten zerstört werden kann.
8. Keinerlei Gegenstände durch die Öffnungen in das Gerät stecken, da es dadurch sonst zu Kurzschlüssen kommen kann.
9. Bei Störungen des Gerätes den Wartungsdienst verständigen.
10. Bei Reperaturen dürfen nur Originalersatzteile oder Bauteile mit gleichen Eigenschaften verwendet werden. Andere Bauteile können Feuer, elektrischen Schlag oder andere Gefahren verursachen.
11. Nach Beendigung von Wartungsarbeiten oder Reperaturen durch den Kundendienst sollte die Sicherheitsprüfung durchgeführt werden.
12. Bei längerem Stillstand des Gerätes, ist diese von der Versorgungs- spannung zu trennen. Dies verhindert eine Beschädigung des Gerätes durch eine Überspannung in der Zuleitung.
13. Der arbeitsplatzbezogene Lärmschutzpegel nach DIN 45 635 ist kleiner 70dB (A).

Appendix A: NexIP Sharing Technology and Policy

■ NexIP Sharing Technology

Unex NexIP Sharing technology automatically configures the Internet Sharing Station and your PCs for Internet access. The Internet Sharing Station uses a range of private IP addresses and automatically translates addresses to access the public Internet. NexIP Sharing technology includes the following functions:

■ Network Address Translation (NAT):

The Internet Sharing Station uses a technology called NAT to let everyone on your network use one IP address given to you by your ISP. Each PC can have its own private IP address, which sharing a public IP address. The

Internet Sharing Station will dial-up to the ISP as required, establish a connection and get a public IP address from the ISP. When a PC on your network requests a web page, this request includes the IP address of the PC so the web server can reply. The Internet Sharing Station converts the IP address of the PC to the public IP address assigned by your ISP. When a web server returns a web page, the Internet Sharing Station converts the public IP address to the private IP address of the PC. The Internet Sharing Station keeps track of the IP addresses of each PC on your network so it can route data to the correct PC.

■ **Dynamic Host Control Protocol (DHCP):**

DHCP provides a dynamic IP address to PCs and other devices upon request. The Internet Sharing Station can act as a DHCP server that automatically assigns IP addresses to each computer. The IP address is dynamic because the address being assigned could be different each time they turn on their computer.

■ **Dynamic IP Addressing:**

Your ISP has the option of assigning a permanent or temporary IP address. You can configure the Internet Sharing Station to use a permanent address or accept a temporary address from the ISP.

■ **NexIP Sharing Policy**

Unex's NexIP Sharing technology makes Internet configuration easy by preconfiguring the Internet Sharing Station with an IP policy that works for most small offices. The Internet Sharing Station is present with a fixed IP address of 192.168.0.254. The DHCP service of the Internet Sharing Station allocates the range from 192.168.0.1 to 192.168.0.127. This leaves all the addresses from 192.168.0.128 to 192.168.0.253 for manual allocation on your network. You can use the addresses in this range for computers and other network nodes that don't have DHCP client service.

The Subnet Mask for the whole network is 255.255.255.0 and the Default Gateway advertised by the DHCP server is the Internet Sharing Station itself with address 192.168.0.254. The DNS IP Addresses for all computers on the network are the addresses provided by your ISP.

Appendix B: Login Script Files

This section describes the script file commands and syntax to be used when editing script files.

Script file is only required if your ISP does not use a standard PPP negotiation.

■ **Learn the script syntax**

Five commands can be used to automate a proprietary negotiation process. The commands are as follows:

Send "<string>"	Send a data string
Wait "<string>" n	Wait to receive a data string, and go to line n if something errors
Goto n	Go to command line n
Hangup	Hang Up Modem
Run	Start to run PPP and ignore rest of script

■ **Example of the Login Script File**

Scenario

Your ISP instructs you to log in and issue a PPP command. The system prompts for a login and password. After the ISP's host sends a welcome message, you enter the "ppp" command. If you logged in manually with a username of "juns" and a password of "1234", it would look like this:

```
Enter username: jun
Enter password: 1234
Welcome to Hinet!
ppp
```

Script for this scenario

Your script should look like this:

```
Wait "Enter username:"
Send "juns"
Wait "Enter password:"
Send "1234"
Wait "Hinet!"
```

Send "ppp"

Note: You only need to include the last part of the text, in this case "Hinet!" in "Welcome to Hinet!"

Appendix C: Terminal Mode Configuration

In addition to the browser mode, you can also use terminal mode to configure Internet Sharing Station by using the supplied serial cable and a terminal program (i.e., *Hyper Terminal* of Windows 95)

Except for the upgrade of firmware, we recommend you to use browser mode to configure Internet Sharing Station.

■ Procedure

1. Power off the Internet Sharing Station, use the supplied serial cable to connect your PC to one of two WAN ports on the rear of Internet Sharing Station.
2. Configure your terminal program as shown in the following table.

Setting	Value
Terminal Emulation	VT100 compatible
Baudrate	19200
Data Bits	8-bit
Parity	No parity
Stop Bits	1 stop bit
Flow Control	None

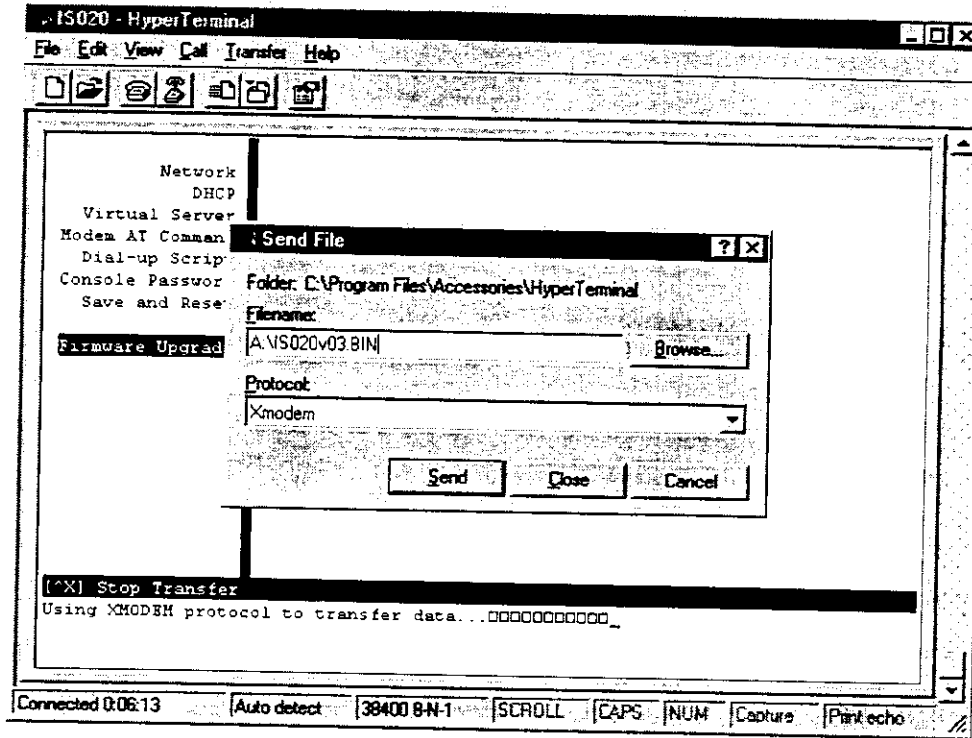
3. Power on the Internet Sharing Station, and wait for about 5 seconds, then press <SPACE> key three times in one second, then the configuration screen will appear on your screen.
4. Type password for entering the console interface, the default password is '*admin*'.

■ Upgrading Internet Sharing Station Software

Follow the instructions to upload the latest firmware to the Internet Sharing Station.

1. Download the latest version of firmware from <http://www.unex.com.tw>, then save it to the floppy diskette.
2. Insert this floppy diskette to your PC, and start the terminal program.
The terminal program provided with Win95 is called "*Hyper Terminal*", just click and follow the selection: *Start Menu-> Programs-> Accessories-> HyperTerminal*.
3. Enter into terminal mode, then select "Firmware Upgrade".
4. On the top tool bar of the terminal program, click and follow the selection: *Transfer-> Send File*

5. Type the file name of the firmware, i.e., A:\IS020v03.BIN, and select "Xmodem" as protocol, then click *Send* button. See a screen like the following.



6. When file transfer has been completed, press 'Y'.

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