

Installing the

InterJet[®] II



Installing the **InterJet®II**



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Foster City, CA 94404
U.S.A.

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This is a Year 2000 Readiness Disclosure.

A product is Year 2000 Ready if the product, when used in accordance with its associated documentation, is capable of correctly processing, providing and/or receiving date data within and between the 20th and 21st centuries, provided all other products (for example, software, hardware, and firmware) used with the product properly exchange date data with it.

This InterJet hardware product has been designed use 32 bits to process 4-digit date information correctly within and between the 20th and 21st centuries, starting at January 1, 1970. This approach allows the correct representation of dates up to 03:14:07, January 19, 2038 (GMT).

This InterJet product cannot prevent errors that might occur if software you use or exchange data with is not ready for the Year 2000. IBM software that comes with this product is Year 2000 Ready.

Regulatory Information

United States Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate, radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

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.

Federal Communications Commission (FCC) and Telephone Company Requirements

If your InterJet has an internal modem or other communications device, the following FCC and telephone company requirements apply:

1. The device's adapter card is located on the back of the InterJet. It complies with Part 68 of the FCC rules. A label is affixed to the device that contains, among other things, the FCC registration number, USOC, and Ringer Equivalency Number (REN) for this equipment. If these numbers are requested, provide this information to your telephone company.
2. The REN is useful to determine the quantity of devices you may connect to your telephone line and still have those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
3. If the device causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance; if advance notice is not practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.
4. Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice to give you an opportunity to maintain uninterrupted service.
5. If you experience trouble with this device, call IBM. In the United States, call the IBM Small Business Help Center at 1-877-217-1040. You may be required to present proof of purchase. The telephone company may ask you to disconnect the device from the network until the problem has been corrected, or until you are sure the device is not malfunctioning.

6. No customer repairs are possible to the device.

7. This device may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. Contact your state public utility commission or corporation commission for information.

8. When ordering network interface (NI) service from the local Exchange Carrier, specify service arrangement USOC RJ11C.

Canadian Department of Communications Certification Label

NOTICE: The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational, and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTICE: The LOAD NUMBER (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the sum of the LOAD NUMBERS of all the devices does not exceed 100.

Industry Canada Class A emission compliance statement

This Class A digital apparatus complies with Canadian ICES-003.

European Community Directive Conformance Statement

In accordance with ISO/IEC Guide 22 and EN 45014, the Whistle InterJet II is CE certified, meets with the essential health and safety requirements, and is in conformity with the relevant EU Directives listed below:

EMC Directive 89/336/EEC

Low Voltage Directive 72/23/EEC

Telecommunications Terminal Equipment 91/263/EEC
Amending Directive 93/68/EEC

European CE Statement

The Whistle InterJet II has met the requirements for and has received the CE Mark.

VCCI Statement

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Safety Approvals

UL (Underwriters Laboratories) and CUL listed

TUV-GS Mark, with considerations for Annex ZB and ZC national deviations

S-Mark for Japan from TUV Rheinland

About This Guide

This guide, *Installing the InterJet II*, explains how to

- install the InterJet hardware
- connect the InterJet to a telecommunications service line
- connect your network to the InterJet
- automatically configure the InterJet to establish a connection with IBM® or another ISP
- set up machines—computers and other devices—on your local network to communicate with the InterJet

This guide assumes that you are familiar with either Microsoft® Windows® 95 or a later version, or Macintosh® System 7.5 or a later version of the Mac® OS.

What This Guide Contains

This guide contains the following information:

- Chapter 1, “Introduction,” provides an overview of the InterJet installation and configuration process, and describes
 - the InterJet system requirements—including network, telecommunications service line, and client machine requirements
 - information that IBM provides
 - information about your organization’s telephone system
 - installation safety precautions
- Chapter 2, “Installing the InterJet Hardware,” explains how to install the InterJet II, and connect the InterJet to your telecommunications service line and your network.

- Chapter 3, “Configuring the InterJet and Setting Up Client Computers,” explains how to use the InterJet II Setup program to
 - automatically configure the InterJet to communicate with IBM or another ISP
 - set up client computers to communicate with the InterJet and access WhistleWare, the InterJet system software
 - set up WhistleWare to meet your organization’s needs
 - create user accounts
- Chapter 4, “Configuring a Browser to Use the InterJet Proxy Server,” describes the InterJet proxy server, and explains how to configure Netscape Navigator or Microsoft Internet Explorer to use the InterJet proxy server for Internet access.
- Chapter 5, “Setting Up Client Computers Automatically,” explains how to use InterJet II Setup to automatically set up client computers running Windows 95 or 98 to communicate with the InterJet and access WhistleWare.
- Chapter 6, “Setting Up Client Computers Manually,” explains how to
 - manually set up computers running either Windows or Mac OS as client computers on your Office network—including installing and configuring TCP/IP, installing Netscape Communicator, and setting up Netscape Messenger or another mail program to use the InterJet mail server
 - set up client computers on a Perimeter network to communicate with the InterJet and provide public services
 - install software that comes with the InterJet on a client computer
 - configure network devices—such as printers and servers—to communicate with the InterJet
 - assign static IP addresses to computers and devices on your network
- Chapter 7, “Setting Up Your Own Client Computer,” explains what InterJet users must do to finish setting up their own client computers, once the computers have been set up to communicate with the InterJet and access WhistleWare.



Tip: You can provide a photocopy of Chapter 7 to each InterJet user.

- Appendix A, “Turning Off the InterJet DHCP Server,” explains how to turn off the InterJet DHCP server if your network is already running such a server.
- Appendix B, “Specifying DHCP and Microsoft Networking Settings,” explains how to specify a range of IP addresses for the InterJet DHCP server and how to configure networking settings to be compatible with a Microsoft NT Server running on your network.
- Appendix C, “Troubleshooting,” explains how to solve problems that you may encounter when installing and configuring the InterJet and setting up client computers.
- Appendix D, “Product Specifications,” provides information about your InterJet hardware and system software.

Typographical Conventions Used in This Guide

This guide uses the following typographical conventions.

Type or Style	Indicates	Example
Bold	An object, command, button, option, or label that appears on a WhistleWare page, a command or option in another program, or the name of a key on the front panel of the InterJet or on your computer's keyboard.	edit
Monospaced font	A file or folder name, URL, screen message, or text that you must type precisely as indicated.	<code>setup.exe</code>
Monospaced italic font	A description of information, or a variable, that you must replace with specific information.	<i>domain_name</i>
Italics	A document name, emphasis, or a new term being defined.	<i>Perimeter Ethernet</i>

Icons Used in This Guide

The following icons highlight important information:



Note: Calls attention to supplementary or noteworthy information.



Important: Calls attention to important information that helps you to use the InterJet effectively.



Caution: Calls attention to instructions that you must follow to avoid loss of data, damage to the InterJet, or a security risk to your network.



Tip: Provides helpful techniques for using your InterJet and information that enhances your knowledge of the InterJet.



Refers you to InterJet Help.

Obtaining Assistance

If you need further assistance when installing and configuring your InterJet, or configuring machines on your network to communicate with the InterJet, refer to your *Customer Care Guide*. This guide provides information about how to obtain technical assistance using online support resources or by contacting a customer support specialist.



Note: If a value-added reseller (VAR) or networking consultant installed your network, you may want to have your VAR or networking consultant install the InterJet.

How To Send Comments About This Guide

Your opinion is important to us. If you have comments about this guide, please send e-mail to the following address:

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In your e-mail message, please include this guide's title and either the page number or topic to which your comment applies. Your comments should pertain to the information in this guide or the way in which the information is presented. If you have a technical question, please refer to your *Customer Care Guide* for information about contacting a support specialist.

If you would like a response to your comments, please include your name and contact information in your e-mail message.



Introduction

This chapter provides the following:

- an overview of the InterJet installation and configuration process
- system requirements for the InterJet—including requirements for your local area network (LAN), telecommunications service line, and client machines
- information that IBM provides
- information about your organization's telephone system
- guidelines to follow if your network is already running TCP/IP
- safety precautions that you should follow when installing the InterJet

Overview: Installing and Configuring Your InterJet

This section provides an overview of the InterJet installation and configuration process.

Step...	For information, see...
1 Unpack your InterJet and accessories.	"Unpack your InterJet and accessories." on page 2-1
2 Connect the InterJet to your telecommunications service line.	"Connect the InterJet to your telecommunications service line." on page 2-2
3 Connect your private network to the InterJet.	"Connect your Office network to the InterJet." on page 2-10
4 Optionally, connect your public network to the InterJet.	"Option: Connect a Perimeter network to the InterJet." on page 2-11
5 Plug in the InterJet.	"Plug in the InterJet." on page 2-12

Step...	For information, see...
6 Turn on the InterJet.	"Turn on the InterJet and any connected device." on page 2-13
7 Using the LCD and function keys on the front panel of the InterJet, specify the InterJet IP address.	"Specify the InterJet IP address." on page 2-14
8 Using InterJet II Setup, set up a client computer on which you can access the InterJet.	"Set up your first client computer." on page 3-3"
9 On the client computer, use InterJet II Setup to access the InterJet and configure it.	The following sections: "Ensure that the latest versions of InterJet system components are installed on your InterJet." on page 3-5 "Log in to the InterJet." on page 3-6 "Configure the InterJet." on page 3-7
10 Using the Office Setup Wizard, set up WhistleWare according to your organization's needs.	"Set up WhistleWare for your organization." on page 3-8
11 Using WhistleWare, create user accounts for the people in your organization.	"Create user accounts." on page 3-9
12 Change the password for the Administrator account.	"Change the password for the Administrator account." on page 3-11
13 Using InterJet II Setup, automatically set up computers running Windows on your Office network to communicate with the InterJet.	"Set up other client computers on your Office network." on page 3-14."
14 Optionally, configure Web browsers on client computers to use the InterJet proxy server.	Chapter 4, "Configuring a Browser to Use the InterJet Proxy Server."
15 If necessary, manually set up any other computers on your Office and Perimeter networks to communicate with the InterJet.	The following sections: ➤ "Manually Setting Up a Windows Computer to Access WhistleWare" on page 6-4 ➤ "Manually Setting Up a Macintosh Computer to Access WhistleWare" on page 6-7 ➤ "Setting Up Client Computers on Your Office Network to Communicate with the InterJet" on page 6-11

Step...	For information, see...
16 If necessary, manually set up mail programs on client computers to work with the InterJet mail server.	"Manually Setting Up a Mail Program" on page 6-13
17 Optionally, set up client machines on your Perimeter network to communicate with the InterJet.	"Setting Up Client Machines on Your Perimeter Network to Communicate with the InterJet" on page 6-17
18 Optionally, configure other network devices to communicate with the InterJet.	"Configuring Printers, Servers, and Other Devices on a Network" on page 6-19

System Requirements

Before installing your InterJet or configuring any machines on your network to communicate with the InterJet, make sure that your network and client machines meet the following requirements.

Local Area Network

You can connect the InterJet to either of the following types of local area networks:

- Ethernet—This guide provides step-by-step instructions for installing the InterJet on an Ethernet network that uses 10BaseT or 100BaseT cabling. Such twisted-pair cabling resembles a telephone cord.
- Token Ring—If you want to connect the InterJet to a Token Ring network, contact your customer support specialist for installation instructions.

Networking Software

You can install the InterJet on a Windows® 95 or 98, or AppleTalk® peer-to-peer network—that is, a network that uses the built-in network operating systems of its client computers. This guide provides step-by-step instructions for installing the InterJet on a Windows or AppleTalk network.

Alternatively, you can install the InterJet on a network running another network operating system that supports TCP/IP (Transmission Control Protocol/Internet Protocol)—such as Microsoft Windows NT® Server, Novell NetWare, Artisoft LANtastic, or AppleShare®. This guide does not provide instructions for configuring these network operating systems. Please contact your value-added reseller (VAR) or networking consultant for information about configuring any of these network operating systems for InterJet compatibility.

LAN Mail Software

The InterJet mail server provides complete mail services for both internal and external electronic mail (e-mail). If you are already using LAN mail software on your network—such as Lotus® cc:mail®, Microsoft Mail, or QuickMail—and want to continue using your software, you can integrate the mail services that your software provides with those that the InterJet mail server provides.

To integrate your existing mail services with those of the InterJet mail server, you can use either of the following methods:

- You can use your LAN mail software to handle internal e-mail messages and the mail services that the InterJet provides to handle external e-mail messages. Doing so requires that two mail programs be installed on client machines—one to allow users to send and receive messages within your organization, and another for sending messages outside your organization and receiving messages that originate outside your organization.
- You can obtain a Simple Mail Transfer Protocol (SMTP) gateway from your LAN mail software vendor. Once you have installed the SMTP gateway, the InterJet forwards any incoming mail that it receives from the Internet to the gateway and your LAN mail server. The InterJet also forwards outgoing mail from your LAN mail server to the Internet.



For more information about forwarding mail to a different mail server, refer to InterJet Help.

Telecommunications Service Line

Before installing the InterJet, you must have one of the following types of telecommunications service lines installed for the InterJet:

- analog telephone line
- ISDN (Integrated Services Digital Network) line
- dedicated leased line—such as a synchronous serial line for a fractional or full T1 connection
- Digital Subscriber Line (DSL)
- cable modem service line

Normally, you have this line installed and provide information about it to IBM or the organization with which you have a service contract. For example, if you are connecting the InterJet to an ISDN line, you provided its telephone number. In some countries, you may also have provided the ISDN line's Service Profile Identifier (SPID), switch type, connection speed on B channels, and information about whether the line uses a voice-mode connection.

You can use the service line to establish a connection to IBM or another ISP, then use the Auto-configuration Wizard to configure the InterJet.

Connection Device

Depending on your InterJet model and the type of telecommunications service line that you are connecting to the InterJet, establishing a connection between your InterJet and IBM or another ISP may require an external connection device—such as

- a terminal adapter for an ISDN line
- a DSL modem for a Digital Subscriber Line (DSL)
- a cable modem for a cable modem service line
- a CSU/DSU for a leased line, or synchronous line



Note: IBM or another organization with which you have a service contract may provide any required external device for your WAN connectivity option. If you did not receive a connection device, refer to the *Read Me First* document for a list of devices that the InterJet supports.

Client Machines

You can use the InterJet with

- client computers on which TCP/IP is running and configured properly and that are set up to access WhistleWare, the InterJet system software
- client machines on which TCP/IP is running and configured properly for communication with the InterJet but that are *not* set up to access WhistleWare

Client Machines That Can Communicate with the InterJet

The InterJet can provide the following services to any client computer on your network on which TCP/IP is running and configured properly for communication with the InterJet:

- Internet access—if a Web browser is installed
- e-mail—if a mail program is installed
- file sharing and Web site publishing—using the operating system running on the computer or an FTP (File Transfer Protocol) client program
- personal Web site development for your organization's intranet—if an HTML editor is installed

You can connect other devices running TCP/IP—such as printers or servers—to your network. However, the InterJet does not provide services to these devices—for example, the InterJet does not include a printer server.

Client Computers That Can Access WhistleWare

Before configuring the InterJet, you must set up at least one client computer—running either Windows or Mac OS—to communicate with the InterJet and access WhistleWare, which allows you to do InterJet administration. Once you have configured the InterJet, you can set up additional client computers on your Office network.

Users can perform the following administrative tasks using WhistleWare on a client computer:

- Users who have the appropriate administrative privileges can use WhistleWare to
 - configure and maintain the InterJet system
 - manage the InterJet mail service
 - create and publish your organization's Web sites
 - set up user accounts
- All InterJet users can
 - view information about their own InterJet accounts and change their passwords—using WhistleWare
 - set up their mail accounts to handle incoming e-mail messages when they are away from the office—using WhistleWare

- use mailing lists and an associates list—using WhistleWare
- use Web templates to develop personal Web pages—using WhistleWare
- access the Internet—using a Web browser
- send and receive e-mail messages—using Netscape Messenger or another mail program
- share files and publish Web pages—using the operating system running on the computer or an FTP client program
- develop a personal Web site for your organization's intranet—using Netscape Composer or another HTML editor



For information about user privileges, refer to Getting Started with the InterJet II or InterJet Help.



Note: The InterJet allows users whose client computers do not meet the minimum requirements for accessing WhistleWare to perform a limited subset of administrative tasks. Using any Web browser, such users can log in to the InterJet and do the following:

- view their account information and change their passwords
 - set up their mail accounts to handle incoming messages when they are away from the office
-

To access WhistleWare, client computers on your network must be running either Windows or Mac OS, and must meet the following system requirements.

Windows System Requirements for Accessing WhistleWare

Before accessing WhistleWare on a computer running Windows, verify that the computer meets the following system requirements:

- Windows 95 or a later version
- Pentium® 166 or a faster microprocessor
- CD-ROM or DVD drive—for the InterJet II Setup CD-ROM
- at least 24 MB of RAM—Whistle Communications recommends 32 MB of RAM.
- TCP/IP
- Netscape Communicator 4.5 or a later version, or Microsoft Internet Explorer 4.01, version 4.0 with Service Pack 1, or a later version.

To display WhistleWare, a Web browser on a client computer must be capable of running Java and JavaScript. The default configurations of Netscape Communicator and Internet Explorer for Windows enable them to run Java and JavaScript. You must configure a Web browser on a client computer to run Java and JavaScript, if it is not currently configured to display WhistleWare.



Note: When setting up a Windows computer to access WhistleWare, you can use the InterJet II Setup CD-ROM to do the following:

- install and configure TCP/IP
 - install Netscape Communicator 4.5
 - set up the Messenger mail program that Communicator includes
-

Macintosh System Requirements for Accessing WhistleWare

Before accessing WhistleWare on a Macintosh computer, verify that the computer meets the following system requirements:

- Macintosh System 7.6.1, Mac OS 8.0, or a later version of Mac OS
- PowerPC microprocessor
- CD-ROM or DVD drive—for the InterJet II Setup CD-ROM
- 24 MB of RAM—Whistle Communications recommends 32 MB of RAM.
- TCP/IP
- Netscape Communicator 4.5 or a later version, or Microsoft Internet Explorer 4.01 or a later version

To display WhistleWare, a Web browser on a client computer must be capable of running Java and JavaScript. The default configuration of Netscape Communicator for Mac OS enables it to run Java and JavaScript. You must configure a Web browser on a client computer to run Java and JavaScript, if it is not currently configured to display WhistleWare.



Note: To access WhistleWare using Microsoft Internet Explorer for Mac OS, you must first install the Mac OS Runtime for Java (MRJ) system extension—version 2.1 or a later version. You can download a free copy of the MRJ from the Apple Computer Web site at www.apple.com/java. Depending on the version of Mac OS running on your computer, you may also need to configure Internet Explorer to use MRJ once you install it. To configure Internet Explorer to use MRJ, follow the instructions on running Java applets in Internet Explorer Help, choosing **Apple MRJ** for the Java Virtual Machine.

Client Computers That Can Run Netscape Communicator

Netscape Communicator 4.5 is a suite of applications, which includes

- Navigator—a Web browser
- Messenger—a mail program
- Composer—an HTML editor

To run Netscape Communicator, client computers must meet the following system requirements.

Windows System Requirements for Netscape Communicator

Before installing Netscape Communicator on a computer running Windows, verify that the computer meets the following system requirements:

- Windows 95 or a later version
- 486sx or a faster microprocessor
- at least 16 MB of RAM—Whistle Communications recommends 32 MB of RAM.
- 14 MB of available hard disk space

Macintosh System Requirements for Netscape Communicator

Before installing Netscape Communicator on a Macintosh computer, verify that the computer meets the following system requirements:

- Macintosh System 7.6.1, Mac OS 8.0, or a later version of Mac OS
- PowerPC microprocessor
- at least 16 MB RAM—Whistle Communications recommends 32 MB of RAM.
- 17 MB of available hard disk space

Information That IBM Provides

Once you purchase your custom service package, you must configure the InterJet using the Auto-configuration Wizard. IBM provides the information that you need to begin auto-configuration on the *InterJet Setup Sheet*. The Auto-configuration Wizard automatically downloads configuration information from an IBM server for the custom service package that you have purchased.



Important: The documentation for your custom service package includes your *InterJet Setup Sheet*, which provides

- any special instructions that you may need to follow when installing your InterJet hardware or configuring the InterJet
- When installing your InterJet, please refer to your Setup Sheet for special instructions before you begin.
- the setup telephone number to which your InterJet must connect during auto-configuration
 - your 24-digit registration identification number, which the InterJet uses to obtain account and configuration information during auto-configuration
 - your organization's contact information
 - your organization's domain name
 - your level of service and WAN connectivity option
 - the default InterJet Internet Protocol (IP) address for your Office network
 - the default IP address range for your Office network
 - the InterJet IP address for your Perimeter network, if applicable
 - the IP address range for your Perimeter network, if applicable
 - any information that you need to configure bundled features and services
 - the dial-up telephone number that your InterJet dials to connect to the Internet, if your InterJet uses a dial-on-demand connection
-

Information About Your Telephone System

Your organization's telephone system may require you to dial a prefix to obtain an outside line and wait for a dial tone before dialing a telephone number. If you connect your InterJet to a typical telephone line or ISDN line, when configuring the InterJet, you must specify any dialing prefix that the InterJet needs to obtain an outside line, as well as any interval that the InterJet should pause before dialing a telephone number. If you are unsure whether the line to which you have connected the InterJet requires you to specify such information or precisely what information you should specify, contact your organization's telephone system administrator.

If Your Network Is Already Running TCP/IP

If your network is already running TCP/IP, you may need to complete one or more of the following tasks to ensure that the InterJet integrates properly into your network. Whistle Communications recommends that networking professionals perform these tasks.

Choose a Static IP Address for the InterJet

The default IP address for the InterJet on your Office (internal) network is 192.168.1.1, with the netmask 255.255.255.0. If another machine on your network already uses this address, or your network does not use the 192.168.1.x addressing scheme, you must change the default address and possibly the default netmask. During the installation process, the InterJet asks you whether you want to accept the default IP address and netmask or change them.

Choose a DHCP Server

The InterJet includes a Dynamic Host Configuration Protocol (DHCP) server that provides dynamic IP addresses to machines on your network. If the InterJet detects another DHCP server on your network—such as a Windows NT Server with DHCP turned on—it automatically turns off its DHCP server to avoid addressing conflicts.

Using Your Existing DHCP Server

If you want to use your existing DHCP server, Whistle Communications recommends that you verify that the InterJet DHCP server is off after you complete the installation steps in Chapter 2. Appendix A provides instructions for turning off the InterJet DHCP server manually.

Once you install and configure the InterJet, you must also do the following:

- Configure your existing DHCP server to provide client machines with the default route, or gateway, which is the IP address for the InterJet on your Office network. Alternatively, you can manually configure these machines to specify the InterJet IP address for the default gateway.
- Ensure that the machine you use as your DHCP server is also configured to be the primary Domain Name Service (DNS) server for name resolution on your network. This configuration allows client machines on your network to access other local machines by name. Because the machine running the DHCP server provides DHCP clients with their IP addresses, it is the only machine on your network that knows the name-to-IP address mappings for these DHCP client machines.
- Configure your existing DNS server to use the InterJet as its forwarding name server. This configuration allows client machines on your network to access machines outside your network by name, such as `www.whistle.com`. Because the InterJet DNS server is in contact with the Internet, it can provide the name-to-IP address mappings for external machines.

Using the InterJet DHCP server

If you use the InterJet DHCP server instead of your existing DHCP server, you must turn off your existing DHCP server *before* you install the InterJet.

Once you install and configure the InterJet, you may also need to specify DHCP settings on the InterJet so they are compatible with your existing network. These settings include the range of dynamic IP addresses that the InterJet can assign to client machines and Microsoft Networking settings, including

- the NetBIOS name server type
- scope ID
- Windows Internet Naming Service (WINS) IP addresses—that is, the IP addresses for any Windows NT Servers running WINS

Appendix B provides instructions for specifying DHCP and Microsoft Networking settings on the InterJet.

You must also use the InterJet Domain Name Service (DNS) server as the primary server for name resolution on your network. If you use the InterJet DHCP server, this server automatically tells DHCP client machines to use the InterJet as the primary DNS server. Therefore, you need only configure any existing client machines that use static IP addresses to use the InterJet DNS server.



Note: The IP address for the InterJet DNS server is the internal IP address for the InterJet, which you specify during the installation process.

Specify the Gateway on Client Machines That Use Static IP Addresses

If your network currently includes client machines that use static IP addresses, you must configure these machines to use the InterJet IP address on your Office network as the default route, or gateway.

Installation Safety Precautions

When installing your InterJet, observe the following safety precautions to prevent personal injury or damage to your InterJet. Once you have installed the InterJet, refer to *Getting Started with the InterJet II* for additional safety and maintenance information.

Installing the InterJet in a Safe Place



Do not install the InterJet where it may be exposed to

- water or excessive moisture—for example, near a sink or kitchen
- excessive heat—for example, near a window or heater
- excessive dust or airborne debris—for example, near manufacturing machinery
- a strong magnetic field—for example, near a television

Avoiding Excessive Heat Buildup



To avoid excessive heat buildup inside the InterJet, which might cause a fire, observe the following safety precautions:

- Install the InterJet in a well-ventilated area.
- Do not place the InterJet inside a cabinet or a small, crowded closet.
- Avoid blocking the cooling vents on the back and bottom of the InterJet unit.

Connecting the Power Cord, Telecommunications Line, and Network Cabling



Electrical current from power, telephone, and communication cables is hazardous. Follow these safety precautions when connecting the power cord, telecommunications service line, and network cabling to the InterJet:

- Use only the power cord that came with your InterJet.
- To help protect your InterJet from momentary power fluctuations, use a surge suppressor.
- Do not use an extension cord. Plug the InterJet, or surge suppressor, directly into a wall outlet.
- When unplugging the InterJet power cord, always grasp it by the plug. Do not pull on the power cord when unplugging it.
- Place network cabling out of the way, where no one will step or trip on it.
- Do not place any objects on the network cabling that you connect to the InterJet.



- To reduce the risk of fire, electrical shock, or injury when using telephone equipment, always follow basic safety precautions, including:
 - Do not connect the InterJet to telephone wiring or telephone wiring to a telephone jack during an electrical storm.
 - Never install telephone wiring during an electrical storm.
 - Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
 - Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

- Use caution when installing or modifying telephone lines.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone to report a gas leak in the vicinity of the leak.



➤ To avoid a shock hazard:

- Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of the InterJet or connected devices during an electrical storm.
- Connect all power cords to a properly wired and grounded electrical outlet.
- Connect to properly wired outlets any devices that will be connected to the InterJet.
- When possible, use one hand only to connect or disconnect signal cables, such as a telephone cord.
- Never turn on any equipment when there is evidence of fire, water, or structural damage.
- Disconnect the attached power cords, telecommunications systems, networks, and modems before you open covers of connected devices, unless instructed otherwise in the installation and configuration procedures accompanying those devices.

- Connect and disconnect cables as described in the following table when installing and moving the InterJet and any connected devices, or when opening covers on connected devices.

To connect the InterJet and any connected device...	To disconnect the InterJet and any connected device...
1 Ensuring that the InterJet and any devices that you are going to connect to the InterJet are off, connect all power cords and signal cables—including telecommunications and network cables—to the InterJet and the devices. 2 Connect any other cables to the InterJet and device. 3 Connect signal cables to their receptacles. 4 Plug power cords into properly grounded electrical outlets. 5 Turn on the InterJet and any connected device that has its own power switch.	1 Turn off the InterJet and any connected device that has its own power switch. 2 Unplug all power cords from electrical outlets. 3 Disconnect all signal cables—including telecommunications and network cables—from their receptacles. 4 Disconnect all cables attached to the InterJet and connected devices—including power cords, signal cables, and any other cables.

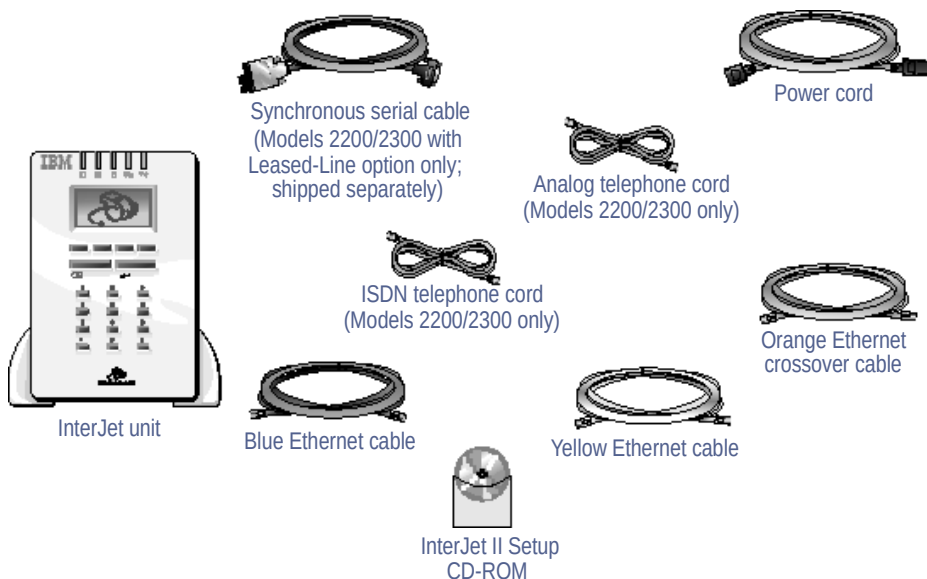
Installing the InterJet Hardware

This chapter explains how to connect the InterJet to your telecommunications service line and your network. Before installing the InterJet, please read Chapter 1, “Introduction.” Ensure that you follow the instructions in the section “Installation Safety Precautions” on page 1-15.



Important: The documentation for your custom service package includes your *InterJet Setup Sheet*, which provides any special instructions that you may need to follow when installing your InterJet hardware. When installing your InterJet, please refer to your Setup Sheet for special instructions before you begin.

1 Unpack your InterJet and accessories.



2 Connect the InterJet to your telecommunications service line.

Follow the instructions for the type of telecommunications service line you are using to establish a connection between the InterJet and IBM or another ISP.

If you want to connect your InterJet to . . .	To use this WAN connectivity option . . .	Follow the instructions on . . .
an analog telephone line, using the internal 56K analog modem on the InterJet	a 56K Analog Connection	page 2-3
an ISDN line, using the internal ISDN adapter on the InterJet	an ISDN Connection	page 2-4
a leased line, or synchronous serial line, using a CSU/DSU	a Leased-Line Connection	page 2-5
an analog telephone line, using an external 56K analog modem	a 56K Analog Connection	page 2-6
an ISDN line, using an external ISDN terminal adapter	an ISDN Connection	page 2-7
a Digital Subscriber Line (DSL), using a DSL modem	a DSL Connection	page 2-8
a cable modem service line, using a cable modem	a Cable Modem Connection	page 2-9

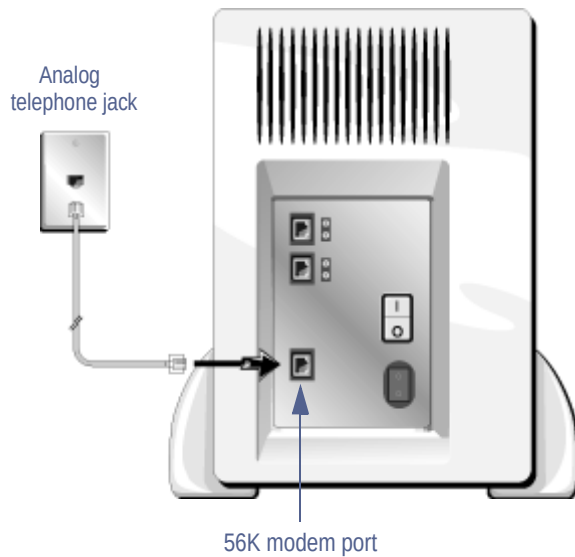


Note: Some WAN connectivity options may not be available at this time. You can upgrade your WAN connectivity option—for example, from a 56K Analog Connection to an ISDN Connection—and connect the InterJet to a different type of telecommunications service line. To purchase a different WAN connectivity option, contact your customer support specialist. Once the specialist sets up your account, you must use the Auto-configuration Wizard to reconfigure the InterJet.

Internal 56K Analog Modem Connection (Models 2200 /2300 Only)

To connect the InterJet to an analog telephone line, using the internal 56K analog modem on the InterJet, follow these steps:

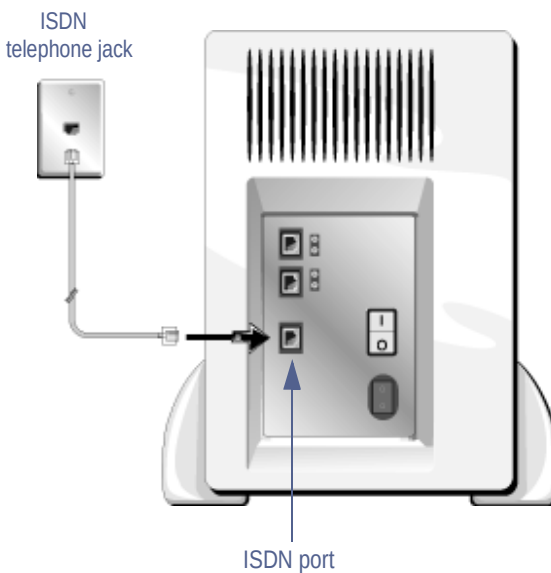
- A** Connect a telephone cord to the port labeled **Modem** on the back of the InterJet.
- B** Connect the telephone cord to a typical analog telephone jack.



Internal ISDN Adapter Connection (Models 2200/2300 Only)

To connect the InterJet to an ISDN line, using the internal ISDN adapter on the InterJet, follow these steps:

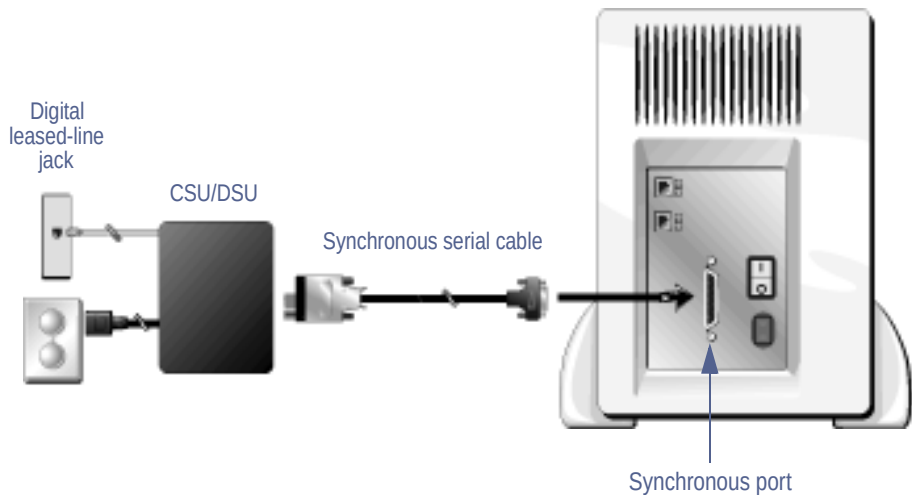
- A** Connect an ISDN telephone cord to the port labeled **ISDN** on the back of the InterJet.
- B** Connect the ISDN telephone cord to an ISDN telephone jack.



Leased-Line, Synchronous Connection (Models 2200/2300 Only)

To connect the InterJet to a leased line, or synchronous serial line, using an external CSU/DSU, follow these steps:

- A** Connect a synchronous serial cable to the port labeled **Synchronous Port** on the back of the InterJet.
 - B** Connect the synchronous serial cable to a CSU/DSU.
 - C** Use the telephone cord that came with the CSU/DSU to connect the CSU/DSU to a digital leased-line jack.
 - D** Plug in the CSU/DSU.
- Do not turn on the CSU/DSU until **step 6**.

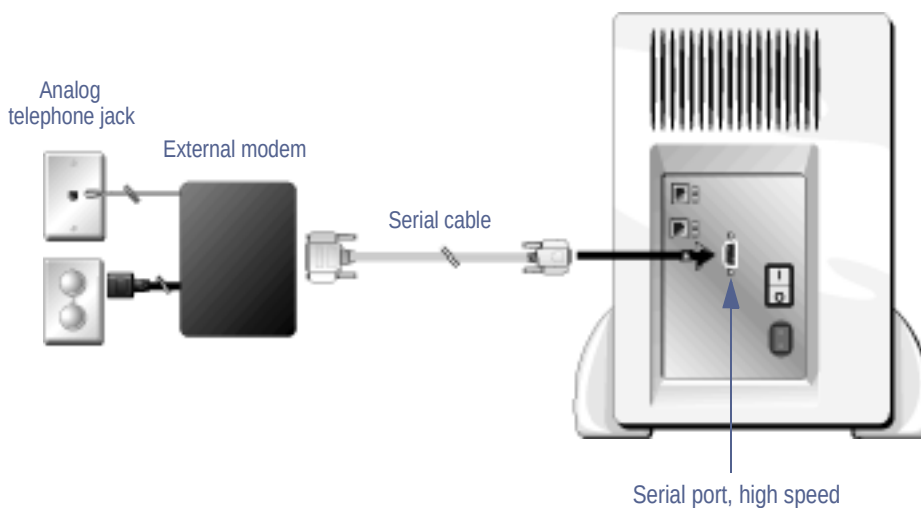


External Analog Modem Connection

To connect the InterJet to an analog telephone line, using an external 56K analog modem, follow these steps:

- A** Connect a serial cable to the port labeled **Serial Port** on the back of the InterJet.
- B** Connect the serial cable to an external modem.
- C** Use the telephone cord that came with the modem to connect the modem to a typical analog telephone jack.
- D** Plug in the modem.

Do not turn on the modem until **step 6**.

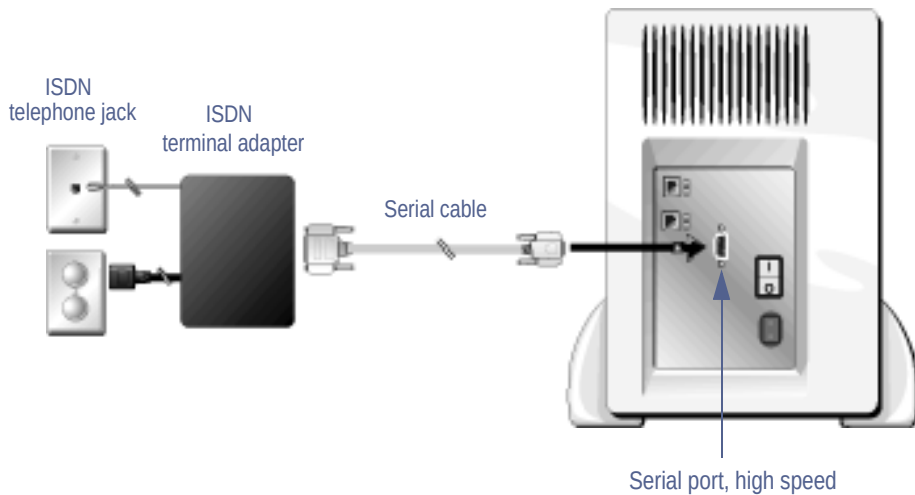


External ISDN Terminal Adapter Connection

To connect the InterJet to an ISDN line, using an external ISDN terminal adapter, follow these steps:

- A** Connect a serial cable to the port labeled **Serial Port** on the back of the InterJet.
- B** Connect the serial cable to an external ISDN terminal adapter.
- C** Use the ISDN telephone cord that came with the terminal adapter to connect the terminal adapter to an ISDN telephone jack.
- D** Plug in the terminal adapter.

Do not turn on the terminal adapter until **step 6**.



DSL Modem Connection

To connect the InterJet to a Digital Subscriber Line (DSL), using an external DSL modem, follow these steps:

- A Connect an Ethernet cable to the Perimeter Ethernet port—labeled **PerimNet**—on the back of the InterJet.

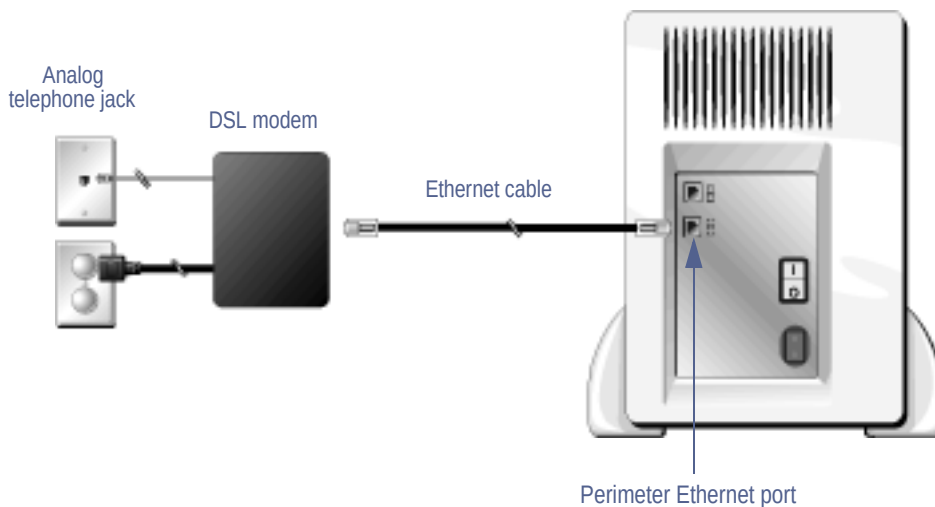
DSL modems usually come with an Ethernet cable.

- B Connect the Ethernet cable to the DSL modem.

- C Use the telephone cord that came with the DSL modem to connect the modem to a typical analog telephone jack.

- D Plug in the DSL modem.

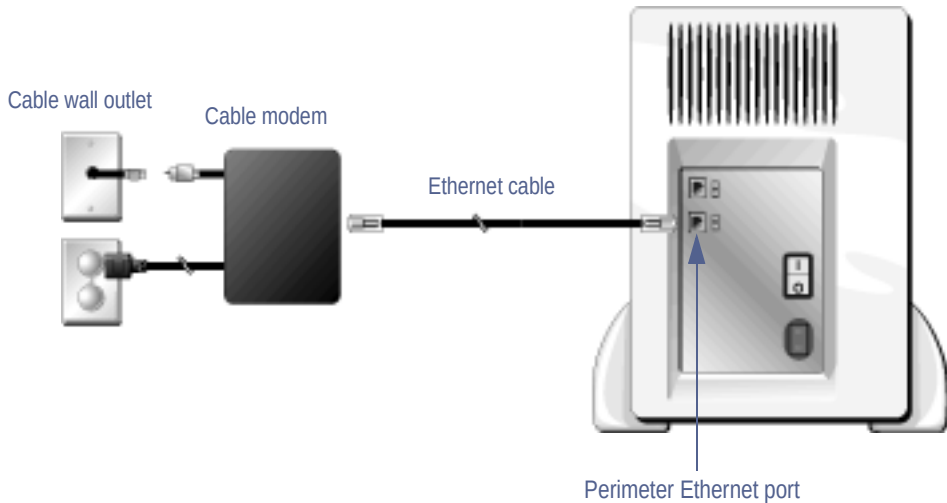
Do not turn on the modem until **step 6**.



Cable Modem Connection

To connect the InterJet to a cable line, using an external cable modem, follow these steps:

- A** Connect an Ethernet cable to the Perimeter Ethernet port—labeled **PerimNet**—on the back of the InterJet.
Cable modems usually come with an Ethernet cable.
- B** Connect the Ethernet cable to a cable modem.
- C** Use the coaxial cable that came with the cable modem to connect the modem to a cable wall outlet.
- D** Plug in the cable modem.
Do not turn on the modem until **step 6**.



3 Connect your Office network to the InterJet.

To provide InterJet services to the computers on your private *Office network*, you must connect the network to the InterJet. You can connect your Office network to the InterJet in either of the following two ways.



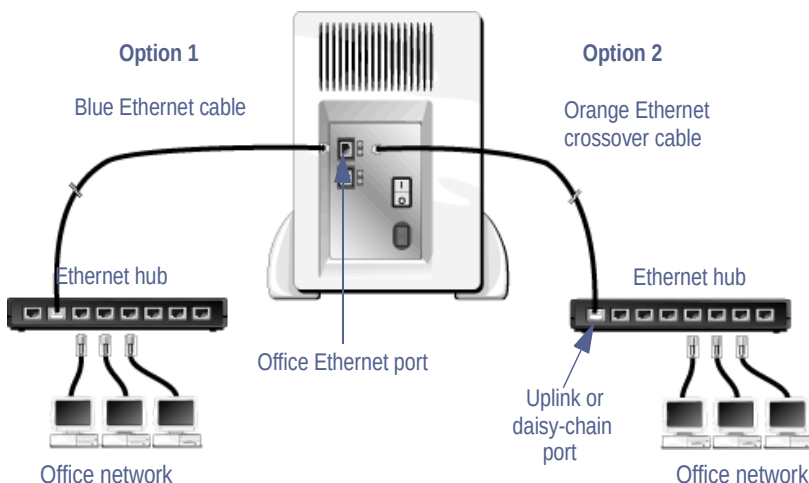
Important: The InterJet has a built-in Dynamic Host Configuration Protocol (DHCP) server, which automatically assigns IP addresses to machines on your network that use DHCP. If your network already has a DHCP server, turn it off before connecting your network to the InterJet. Optionally, once you finish setting up the InterJet, you can use the LCD and keys on the front panel of the InterJet to turn off the InterJet DHCP server and turn your existing DHCP server back on. For instructions, see *Getting Started with the InterJet II*.

Option 1 (recommended):

- A Connect the blue Ethernet cable to the Office Ethernet port—labeled **OfficeNet**—on the back of the InterJet.
- B Connect the blue Ethernet cable to a **regular** port on an Ethernet hub.

Option 2:

- A Connect the orange Ethernet crossover cable to the Office Ethernet port—labeled **OfficeNet**—on the back of the InterJet.
- B Connect the orange Ethernet cable to an **uplink** port on an Ethernet hub.



4 Option: Connect a Perimeter network to the InterJet.

You can optionally connect a publicly accessible network—called the *Perimeter network*—to your InterJet at any time. You can connect your Perimeter network to the InterJet in either of the following two ways.



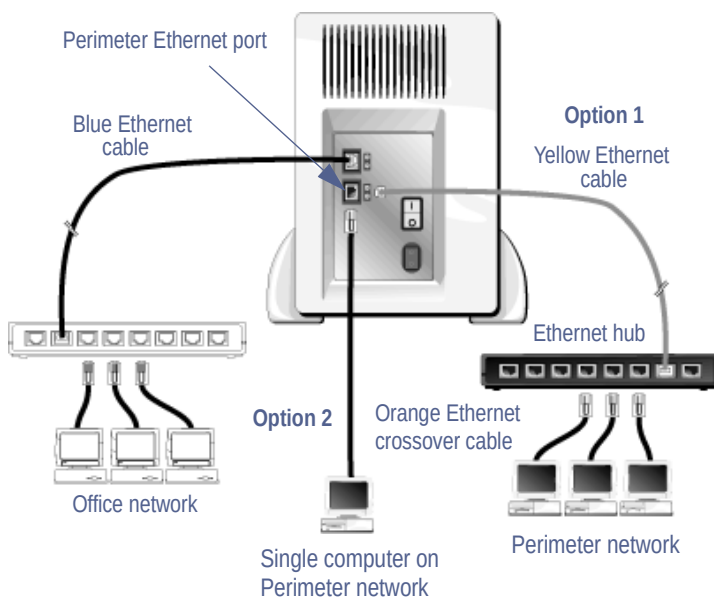
Note: If you intend to use a computer in your office to provide any public services—such as a Web or FTP site—connect that computer to the Perimeter Ethernet port on your InterJet.

Option 1—Connecting multiple computers:

- A Connect the yellow Ethernet cable to the Perimeter Ethernet port—labeled **PerimNet**—on the back of the InterJet.
- B Connect the yellow Ethernet cable to a **regular** Ethernet hub port.

Option 2—Connecting a single computer:

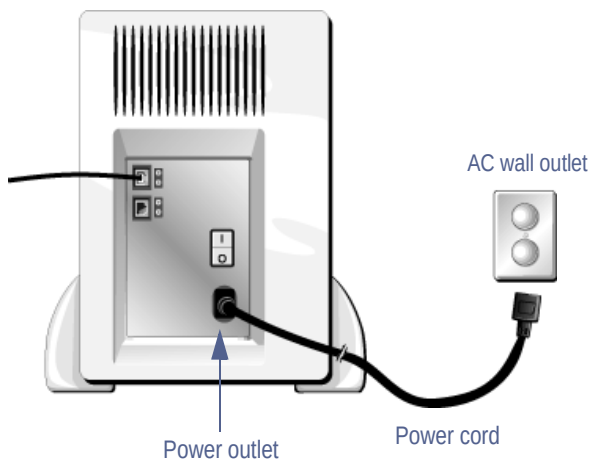
- A Connect the orange Ethernet crossover cable to the Perimeter Ethernet port—labeled **PerimNet**—on the back of the InterJet.
- B Connect the orange Ethernet cable to an Ethernet port on a computer.



5 Plug in the InterJet.

To plug in the InterJet, follow these steps:

- A Plug the power cord into the power outlet on the back of the InterJet.
- B Plug the power cord into an AC wall outlet.

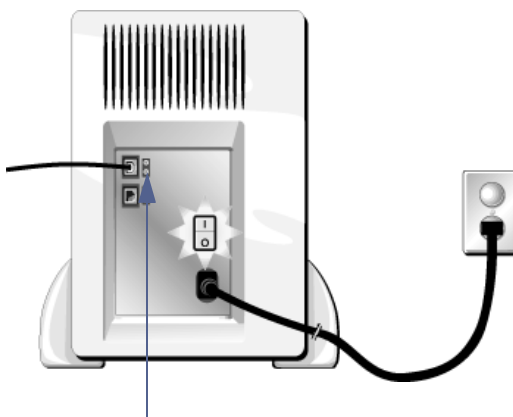


6 Turn on the InterJet and any connected device.

The following illustration describes what occurs when the InterJet starts up.

- A If you connected an external device to the InterJet, turn it on.
- B Toggle the power switch on the back of the InterJet to the On (I) position.

The InterJet takes about 1 minute to start up.



The **Link** indicator next to the **OfficeNet** port turns green if the Ethernet cable is connected properly. If you also connected a Perimeter network to the InterJet and it is connected properly, the **Link** indicator next to the **PerimNet** port turns green.

If you connected your network using 100BaseT cabling, the **100BT** indicator turns green. If you connected your network using 10BaseT cabling, the indicator remains unlit.

Once the InterJet starts up, the InterJet Setup screen appears on the LCD.

Press the **next** function key.

Note: The labels at the bottom of the LCD indicate the current function of each function key.

Function keys



7 Specify the InterJet IP address.

The InterJet must have an IP (Internet Protocol) address that identifies it on your Office network. The default IP address for the InterJet is 192.168.1.1.



Important: You must change the default IP address for the InterJet if the machines on your Office network are already running TCP/IP and *either* of the following conditions exists:

- Another machine is already using the default IP address of the InterJet.
- Your network is not using the 192.168.1.x addressing scheme. In this case, if your network uses a netmask (subnet mask) other than the default netmask—255.255.255.0—you must also change the default netmask.

To accept the default IP address for the InterJet:

- A Press the **next** function key to accept the default IP address.
- B Press **next** again to accept the default netmask.

To change the IP address for the InterJet:

- A Specify the IP address, using the numeric keypad and the **dot** function key.



TIP: Record the new IP address for reference.

- B Press the **next** function key to set the IP address.
- C If necessary, specify a netmask (subnet mask), using the numeric keypad and the **dot** function key.
- D Press the **next** function key to set the netmask.

```

InterJet Setup
Key in your InterJet
IP address, then
press NEXT.
IP: 192.168. 1. 1
dot del prev next
  
```



```

InterJet Setup
Adjust the netmask,
then press NEXT.
IP: 192.168.1.1
Mask: 255.255.255.0
down up prev next
  
```

Once you specify the IP address for the InterJet, you can configure the InterJet by following the instructions in Chapter 3, “Configuring the InterJet and Setting Up Client Computers.”



Configuring the InterJet and Setting Up Client Computers

This chapter explains how to

- set up your first client computer to communicate with the InterJet
- ensure that the InterJet is using the latest versions of its system components
- configure the InterJet to establish a connection with IBM or another ISP
- set up WhistleWare to meet your organization's needs
- create user accounts
- change the password for the Administrator account
- change the Microsoft Networking workgroup in which the InterJet resides
- configure additional client computers to communicate with the InterJet



Important: Before you begin, make sure you have the following:

- your *InterJet Setup Sheet*—which provides
 - any special instructions that you may need to follow when configuring your InterJet

When installing your InterJet, please refer to your Setup Sheet for special instructions before you begin.
 - the telephone number to which your InterJet must connect during auto-configuration
 - any dialing prefix that your organization's telephone system requires, if you are connecting the InterJet to an analog or ISDN telephone line
- For more information, see the section “Information About Your Telephone System” on page 1-13.
- your 24-digit registration identification number
- For more information about your Setup Sheet, see the section “Information That IBM Provides” on page 1-12.
- your Microsoft Windows 95 or 98 CD-ROM, if you are configuring any computers running Windows

If your network is already running TCP/IP, you may need to make configuration changes to your network and client machines that are not covered in this chapter. For more information, see “If Your Network Is Already Running TCP/IP” on page 1-13.

1 **Set up your first client computer.**

Before you can configure the InterJet, you must set up a client computer to access the InterJet. You can either use InterJet II Setup to automatically set up a computer running Windows as your first client computer on your Office network, or you can set up a computer manually. Once you have set up this client computer, it can

- communicate with the InterJet
- access WhistleWare, the InterJet system software

To set up a computer to communicate with the InterJet and access WhistleWare, you must do the following:

- Install and configure TCP/IP—the networking software that the computer needs to communicate with the InterJet.
- Install Netscape Communicator—which includes Navigator—or Microsoft Internet Explorer.

Optionally, you can set up Netscape Messenger—the mail program that Netscape Communicator includes—or install and set up another mail program to work with the InterJet mail server, such as Microsoft Outlook or Outlook Express, or a Eudora mail program.

You can use InterJet II Setup, on the InterJet II Setup CD-ROM, to automatically do any or all of the following:

- Install and configure TCP/IP.

InterJet II Setup configures a client computer to use DHCP to obtain a dynamic IP address from the InterJet. If the client computer is already using TCP/IP to communicate on a network, using InterJet II Setup to install and configure TCP/IP will overwrite its current TCP/IP settings. If the current settings are compatible with the InterJet and you want to preserve them, you need not install and configure TCP/IP.

- Install and configure Netscape Communicator 4.5, which includes Navigator and the Messenger mail program.

Before installing Netscape Communicator on a Windows computer, verify that the computer's hard disk has at least 14 MB of available space.

If you prefer to use Microsoft Internet Explorer, you need not install Netscape Communicator. If you prefer to use another mail program, you can install and set it up after using InterJet II Setup.

Alternatively, you can manually set up a computer that is running Windows 95 or 98, or Mac OS. For instructions on setting up a client computer manually, see Chapter 6, “Setting Up Client Computers Manually.”

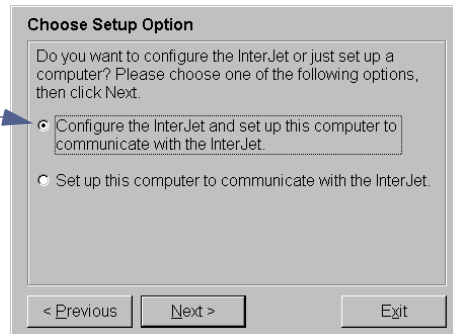
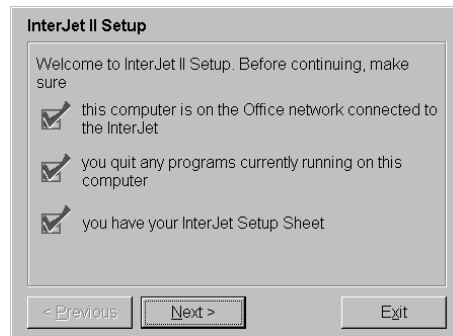


Important: Before setting up a computer to access WhistleWare, verify that the computer meets the minimum system requirements. For information about system requirements, see the section “Client Computers That Can Access WhistleWare” on page 1-7.

To run InterJet II Setup on a Windows computer and set up the computer as your first client computer, follow these steps:

- A** Insert the InterJet II Setup CD-ROM into your computer's drive.
The InterJet II Setup window appears.
- B** Double-click **InterJet II Setup** to run it.
The InterJet II Setup dialog box appears.
- C** Click **Next**.
The Choose Setup Option screen appears.
- D** Select **Configure the InterJet and set up this computer to communicate with the InterJet**.
- E** Click **Next**.
- F** Follow the instructions on the screen to set up the client computer.

Once you have set up the client computer, InterJet II Setup automatically restarts the computer, so your settings can take effect. You can then configure the InterJet.



2 **Ensure that the latest versions of InterJet system components are installed on your InterJet.**

The InterJet II Setup CD-ROM may contain more recent versions of InterJet system components than those installed on your InterJet. If necessary, you can use InterJet II Setup to upgrade these components automatically.

If you just finished configuring your first client computer using InterJet II Setup, do this:

Once the computer restarts, InterJet II Setup runs automatically and the Check Versions of System Components screen appears. Follow the instructions on the screen to determine whether the latest versions of system components are on the InterJet.

Once InterJet II Setup determines what versions of InterJet system components are on the InterJet and, if necessary, upgrades them, the Installation Status screen appears.

If InterJet II Setup is not currently running, follow these steps:

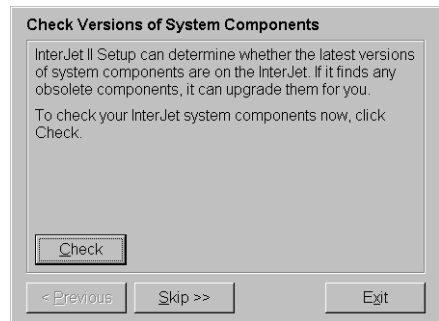
- A** Insert the InterJet II Setup CD-ROM into your drive.

The InterJet II Setup window appears.

- B** Double-click InterJet II Setup to run it.

The InterJet II Setup dialog box appears.

- C** Follow the instructions on the screen.



3 Log in to the InterJet.

Before you can configure the InterJet, you must first log in.

To log in to the InterJet, follow these steps:

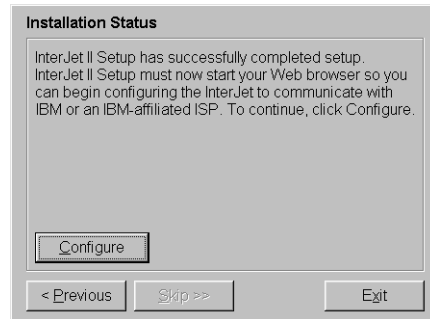
- A On the Installation Status screen, click **Configure**.

InterJet II Setup runs your Web browser, and its login dialog box appears.
- B Log in to the InterJet, using the login name `admin` and the password `admin`.



Note: If you have already changed the password for the `admin` account, you must use the new password.

Once you log in to the InterJet, the Begin InterJet Configuration page in the Auto-configuration Wizard appears.



4 Configure the InterJet.

Using the Auto-configuration Wizard, you can quickly configure your InterJet to establish a connection with IBM or another ISP.

To configure the InterJet using the Auto-configuration Wizard, follow the instructions on the screen. Specify the information on your InterJet Setup Sheet and any information that you received from your telecommunications company.



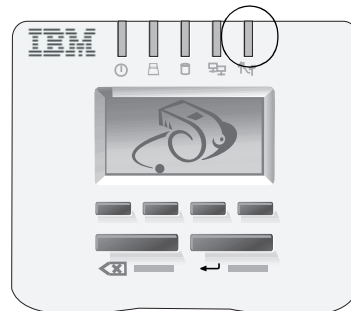
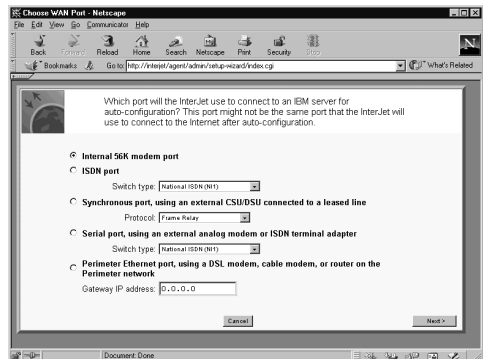
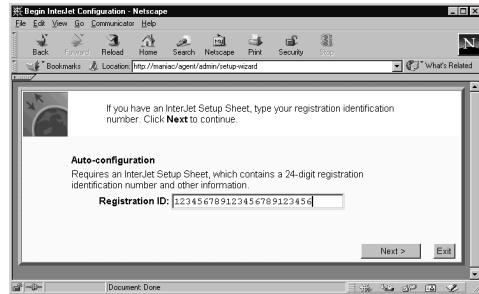
Tips: If the InterJet is unable to connect to the auto-configuration server, see the section "Troubleshooting Auto-configuration" on page C-2.

If you exit the wizard, you can restart it by typing `interjet/agent/admin/setup-wizard` in your browser's **Location** or **Address** box.

If you connected the InterJet to an analog telephone line, an ISDN line, or a leased line, the **WAN** (Wide Area Network) LED indicator on the front panel of the InterJet turns green, indicating that the InterJet has established a connection to your ISP and the Internet.

If you connected a DSL or cable modem to the Perimeter Ethernet port, the **WAN** LED indicator remains unlit.

Auto-configuration Wizard

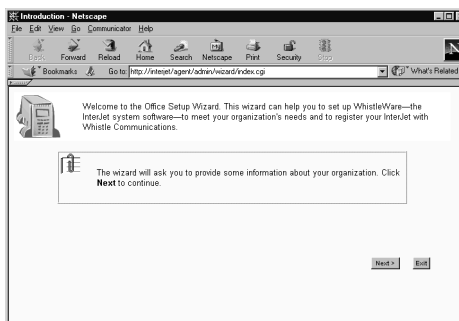


5 Set up WhistleWare for your organization.

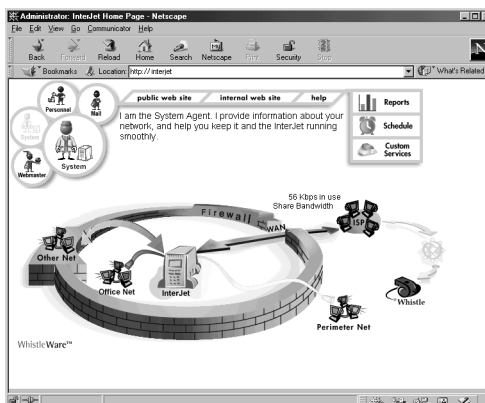
Once you have configured the InterJet, the Office Setup Wizard runs automatically. This wizard helps you to

- set up WhistleWare to ensure that the InterJet functions optimally for your organization
- register your InterJet with Whistle Communications

Follow the instructions in the Office Setup Wizard.



Once you have finished setting up WhistleWare, the InterJet home page appears in your Web browser, displaying the System Agent View.



6 Create user accounts.

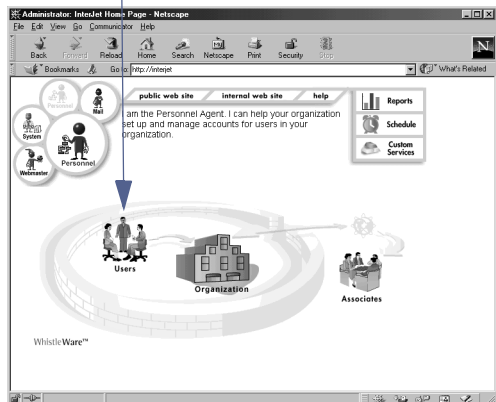
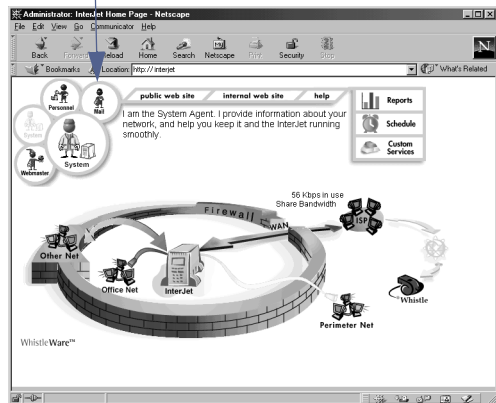
You must create an InterJet account for each user in your organization. You can create additional user accounts at any time.

All new InterJet user accounts that you create are based on the User Account Template. This template defines the default privilege assignments for all new accounts. Once you create a new account, you can change its password and privilege assignments at any time.

To create user accounts, follow these steps:

- A In the Agent Selector, click **Personnel**.
The Personnel Agent View appears.
- B Point to the **Users** object.
The Users menu appears.
- C On the menu, click **New User**.
The New User page appears.

Continued on next page.



- D** Specify the user's real name, login name, and password.



Note: Establish a naming convention for login names.

The login name forms the first part of a user's e-mail address—for example, if Mary Smith's login name is `m_smith`, her e-mail address is `m_smith@your_domain_name.com`.



Tips: Create a list of users and their login names. You use these login names when you configure client computers.

Specify a simple default password for all new accounts. Users can change their passwords once you create their accounts. Passwords are case sensitive.

- E** Assign privileges to the account.
- F** Click **OK**.
- G** Repeat steps **B** through **F** for each InterJet user.

Remember to create an account for yourself so you can receive e-mail messages addressed to you instead of to only the `admin` account.



Tip: To add several user accounts that have the same privileges, you can specify privileges in the User Account Template. To edit the template, point to the **Users** object, then click **User Account Template** on the Users menu that appears.

For descriptions of the options on this page, click **help**.

7 Change the password for the Administrator account.

To ensure the security of your InterJet and network, you must change the default password for the Administrator, or admin, account.



Note: If you do not change the password now, the Personnel Agent reminds you to change it when you next use the Personnel Agent.

- A** Point to the Users object.

The Users menu appears.

- B** On the menu, click **Users List**.

The Users List page appears.

- C** Under **Select**, select the Administrator account.

The Edit User page appears.

- D** Type a new password in the **Password** box.

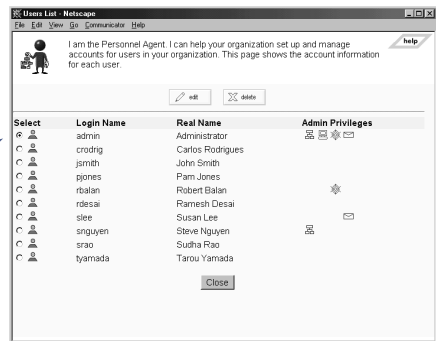


Tip: For maximum security, specify a password that consists of at least four characters, and has a combination of letters and at least one number or other character. Passwords are case sensitive.

- E** Type the password again in the **Confirm password** box.

- F** Click **OK**.

- G** Click **Close** to close the Users List page.



8 Option: Change the Microsoft Networking workgroup for the InterJet.

Whistle Communications recommends that the InterJet and all Windows client computer on your network reside in the same workgroup so users can easily access shared or private file storage space on the InterJet file server. The default workgroup for the InterJet is WORKGROUP. If Windows computers on your network already reside in a different workgroup, you can change the default workgroup name for the InterJet to the name of the existing workgroup.

To change the workgroup in which the InterJet resides, follow these steps:

- A** In the Agent Selector, click **System**.

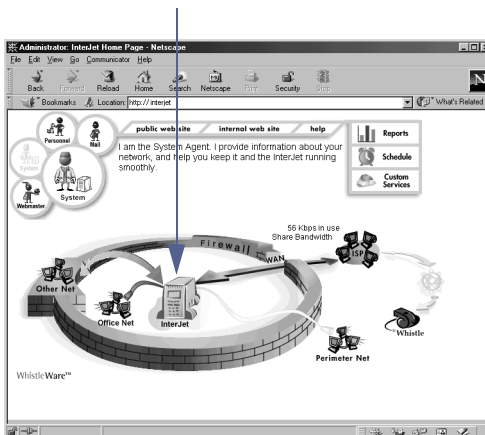
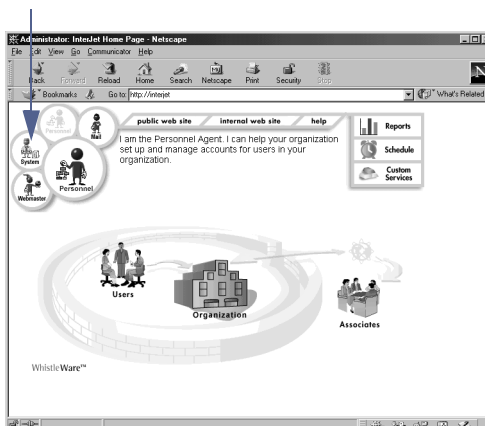
The System Agent View appears.

- B** Point to the **InterJet** object.
The InterJet menu appears.

- C** On the menu, click **General Configuration**.

The General Configuration page appears.

Continued on next page.



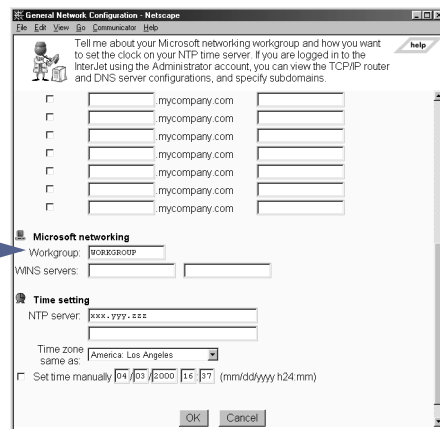
- D Click **Network Configuration**.

The General Network Configuration page appears.

- E Under **Microsoft Networking**, type a new workgroup name in the **Workgroup** box.

- F Click **OK**.

- G Click **Close** to close the General Configuration page.



9 Set up other client computers on your Office network.

When setting up additional client computers using InterJet II Setup, the procedure is the same as that described in the section “Set up your first client computer.” on page 3-3, with one exception. At step D, select **Set up this computer to communicate with the InterJet** on the Choose Setup Option screen.

For detailed instructions on using InterJet II Setup to automatically set up a Windows client computer, see Chapter 5, “Setting Up Client Computers Automatically.”

Alternatively, you can manually set up additional computers running Windows 95 or 98, or Mac OS as client computers on your Office network:

- For instructions on setting up a Windows client computer manually, see the section “Manually Setting Up a Windows Computer to Access WhistleWare” on page 6-4.
- For instructions on setting up a Macintosh client computer manually, see the section “Manually Setting Up a Macintosh Computer to Access WhistleWare” on page 6-7.

Once you have set up a client computer on your Office network, it can

- communicate with the InterJet
- access WhistleWare, the InterJet system software

10 Configure the Web browser on each client computer to use the InterJet proxy server.

Optionally, you can configure the Web browser on each client computer on your Office network to use the InterJet proxy server for Internet access. The InterJet proxy server temporarily stores, or caches, Web pages that users view in their browsers and other files that they download from the Internet.



Important: On each client computer on your Office network, you must configure the Web browser to use the InterJet proxy server if you want to use either certain scheduling and reporting features in WhistleWare, or the Web Site Blocking feature.

For more information about the InterJet proxy server and detailed instructions on configuring Netscape Navigator or Microsoft Internet Explorer—running on either a Windows or Macintosh computer—to use the InterJet proxy server, see Chapter 4, “Configuring a Browser to Use the InterJet Proxy Server.”

11 Set up any client computers on a Perimeter network to communicate with the InterJet.

If you connected a Perimeter network to the InterJet—for example, to connect a server that hosts a public Web site—set up any client computers on that network to communicate with the InterJet. For more information about setting up client computers on a Perimeter network, see the section “Setting Up Client Machines on Your Perimeter Network to Communicate with the InterJet” on page 6-17.

12 Configure devices on your networks.

If any devices on your Office network or Perimeter network can run TCP/IP—such as printers, scanners, or servers—you can configure these devices to communicate with client computers and the InterJet. For more information about configuring devices on a network, see the section “Configuring Printers, Servers, and Other Devices on a Network” on page 6-19.

13 Ensure that users finish setting up their own client computers.

Once you have set up the client computers on your Office network to communicate with the InterJet and access WhistleWare, InterJet users must do the following to finish setting up their own client computers:

- Change the default password for InterJet user accounts to their own, private passwords.
- Ensure that they can access the Internet.
- Choose where to store their e-mail messages.
- If they are using Windows computers, ensure that
 - they are using their InterJet login names as their Windows or Microsoft Networking login names
 - the workgroup in which their Windows computers reside is that of the InterJet

For detailed instructions on completing these tasks, see Chapter 7, “Setting Up Your Own Client Computer.”



Tip: You can provide a photocopy of Chapter 7 to each InterJet user.



Configuring a Browser to Use the InterJet Proxy Server

This chapter describes the InterJet proxy server, and explains how to configure Netscape Navigator or Microsoft Internet Explorer to use the InterJet proxy server.

The InterJet proxy server temporarily stores, or caches, Web pages that users view in their browsers and other files that they download from the Internet. The proxy server retains in the cache any Web pages and files that users access frequently. Thus, users can access these Web pages and files more quickly, because they are available locally on the InterJet. The InterJet need not connect to your ISP and retrieve them from the Internet.



Important: You must configure Netscape Navigator, Microsoft Internet Explorer, or another Web browser on each client computer on your Office network to use the InterJet proxy server, if you want to do the following:

- Automatically store and access Web pages and files in the cache on the InterJet.
- Obtain a report on Internet access by local users, showing which users access the Internet for the longest periods of time and the average daily connection time for each local user.
- Use the InterJet Activity Schedule to limit Internet access to specific users, during specified work periods.
- Prevent users from accessing blocked Web sites using the Web Site Blocking feature.
- Have the InterJet forward all Web (HTTP) and FTP requests from your network to a *parent*, or *upper*, proxy server.



For information about obtaining a Local Users Report, using the InterJet Activity Schedule to limit Internet access, purchasing a custom service package that includes the Web Site Blocking feature, or specifying a parent proxy server, refer to either Getting Started with the InterJet II or InterJet Help.

Configuring Netscape Navigator to Use the Proxy Server

On a computer running Windows 95 or 98, or Mac OS, you can configure Netscape Navigator to use the InterJet proxy server.

To configure Netscape Navigator to use the InterJet proxy server, follow these steps:

- 1 Start Netscape Communicator.
- 2 On the **Edit** menu, click **Preferences**.
The Preferences dialog box appears.
- 3 Under **Category**, expand the **Advanced** category to view a list of advanced preferences.
- 4 Select **Proxies** in this list.
The Proxies preferences appear on the right.
- 5 Select **Manual proxy configuration**.
- 6 On a Windows computer, click **View**.
On a Macintosh computer, click **Configure**.
The Manual Proxy Configuration dialog box appears.
- 7 Type `interjet` in the **HTTP** or **HTTP Proxy** box, and type `3128` in the **Port** box to its right.
- 8 Type `interjet` in the **FTP** or **FTP Proxy** box, and type `3128` in the **Port** box to its right.
- 9 Specify that your browser should bypass the InterJet proxy server when you request Web pages and files on your local network, as follows:
 - On a Windows computer, in the **Do not use proxy servers for domains beginning with** box, type `interjet.your_domain_name,interjet`.
For example, type `interjet.whistle.com,interjet`.
 - On a Macintosh computer, in the **No proxy for** box, type `interjet.your_domain_name,interjet`.
For example, type `interjet.whistle.com,interjet`.

- 10 Click **OK** to save your changes and close the Manual Proxy Configuration dialog box.
- 11 Click **OK** to save your changes and close the Preferences dialog box.

Configuring Microsoft Internet Explorer to Use the Proxy Server

The process of configuring Microsoft Internet Explorer to use the InterJet proxy server on a computer running Windows 95 or 98 differs from the process on a Macintosh computer.

Configuring Microsoft Internet Explorer on a Windows Computer

On a computer running Windows 95 or 98, you can configure Microsoft Internet Explorer to use the InterJet proxy server.

To configure Microsoft Internet Explorer to use the InterJet proxy server, follow these steps:

- 1 Start Microsoft Internet Explorer.
- 2 Do one of the following:
 - Internet Explorer 4.x: On the **View** menu, click **Internet Options**.
 - Internet Explorer 5.x: On the **Tools** menu, click **Internet Options**.

The Internet Options dialog box appears.

- 3 Click the **Connections** tab.
- 4 Internet Explorer 5.x only: Under **LAN settings**, click **LAN Settings**.
- 5 Do one of the following:
 - Internet Explorer 4.x: Under **Proxy server**, select the **Access the Internet using a proxy server** check box.
 - Internet Explorer 5.x: Under **Proxy server**, select the **Use a proxy server** check box.
- 6 Type `interjet` in the **Address** box.
- 7 Type `3128` in the **Port** box.
- 8 Select the **Bypass proxy server for local addresses** check box.

- 9 Internet Explorer 5.x only: Click **OK** to close the LAN Settings dialog box.
- 10 Click **OK** to apply your changes and close the Internet Options dialog box.

Configuring Microsoft Internet Explorer on a Macintosh Computer

On a Macintosh computer, you can configure Microsoft Internet Explorer to use the InterJet proxy server.

To configure Microsoft Internet Explorer to use the InterJet proxy server, follow these steps:

- 1 Start Microsoft Internet Explorer.
- 2 On the **Edit** menu, click **Preferences**.
The Internet Explorer Preferences dialog box appears.
- 3 Expand **Network** to view a list of network preferences.
- 4 Select **Proxies** in this list.
The Proxies preferences appear on the right.
- 5 Select **Enabled**.
- 6 In the **Protocol** pop-up menu, select **HTTP**.
- 7 Type `interjet` in the **Address** text box and type `3128` in the **Port** text box.
- 8 In the **Protocol** pop-up menu, select **FTP**.
- 9 Type `interjet` in the **FTP** text box and type `3128` in the **Port** text box.
- 10 Type the appropriate InterJet login name and password in the **User name** text box and **Password** text box, respectively.
- 11 Under **List the sites you want to connect to directly, bypassing the proxies above**, type `interjet.your_domain_name,interjet`.
For example, type `interjet.whistle.com,interjet`.
- 12 Click **OK** to save your changes and close the Internet Explorer Preferences dialog box.

Setting Up Client Computers Automatically

This chapter explains how to use InterJet II Setup to automatically set up additional computers running Windows as client computers on your Office network, once you have set up your first client computer, as described in Chapter 3, “Configuring the InterJet and Setting Up Client Computers.”

Once you have set up a client computer, it can

- communicate with the InterJet
- access WhistleWare, the InterJet system software

To set up a computer running Windows 95 or 98 to communicate with the InterJet and access WhistleWare, you must do the following:

- Install and configure TCP/IP—the networking software that the computer needs to communicate with the InterJet.
- Install Netscape Communicator—which includes Navigator—or Microsoft Internet Explorer.

Optionally, set up Netscape Messenger—the mail program that Netscape Communicator includes—or install and set up another mail program to work with the InterJet mail server.

You can use InterJet II Setup to automatically do any or all of the following:

- Install and configure TCP/IP.

InterJet II Setup configures a client computer to use DHCP to obtain a dynamic IP address from the InterJet. If the client computer is already using TCP/IP to communicate on a network or connect to an ISP, using InterJet II Setup to install and configure TCP/IP overwrites its current TCP/IP settings. If the current settings are compatible with the InterJet and you want to preserve them, you need not install and configure TCP/IP.

- Install Netscape Communicator 4.5, which includes Navigator and the Messenger mail program.

Before installing Netscape Communicator on a Windows computer, verify that the computer's hard disk has at least 14 MB of available space.

If you prefer to use Microsoft Internet Explorer, you need not install Netscape Communicator. If you prefer to use another mail program, you can install and set it up after using InterJet II Setup.

Alternatively, you can manually set up a computer that is running Windows 95 or 98, or Mac OS as a client computer. For instructions on setting up a client computer manually, see Chapter 6, "Setting Up Client Computers Manually."



Important: Before setting up a client computer to access WhistleWare, make sure you

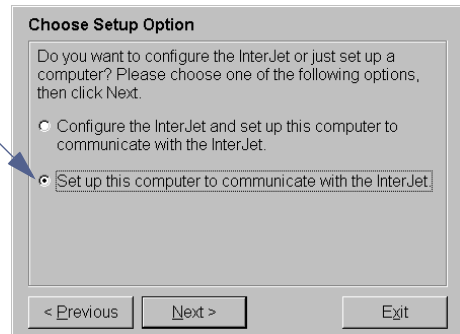
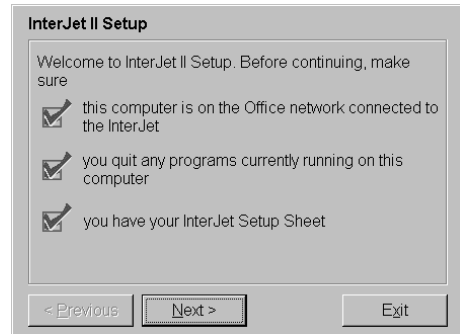
- verify that the computer meets the minimum system requirements

For information about Windows system requirements, see the section "Windows System Requirements for Accessing WhistleWare" on page 1-9.

- have the following:
 - your *InterJet Setup Sheet*, which provides your organization's domain name and other information
 - your Microsoft Windows 95 or 98 CD-ROM
-

To run InterJet II Setup on a Windows computer and set up the computer as a client computer, follow these steps:

- A Insert the InterJet II Setup CD-ROM into your computer's drive.
The InterJet II Setup window appears.
- B Double-click **InterJet II Setup.exe** to run it.
The InterJet II Setup dialog box appears.
- C Click **Next**.
The Choose Setup Option screen appears.
- D Select **Set up this computer to communicate with the InterJet**.
- E Click **Next**.
- F Follow the instructions on the screen to set up the client computer.
Once you have set up the client computer, InterJet II Setup automatically restarts the computer, so your settings take effect.



Important: On each client computer on your Office network, you must configure the Web browser to use the InterJet proxy server if you want to use either certain scheduling and reporting features in WhistleWare, or the Web Site Blocking feature. For more information about the InterJet proxy server and detailed instructions on configuring Netscape Navigator or Microsoft Internet Explorer—running on either a Windows or Macintosh computer—to use the InterJet proxy server, see Chapter 4, “Configuring a Browser to Use the InterJet Proxy Server.”



Setting Up Client Computers Manually

This chapter provides detailed information about manually setting up client computers on your Office network to access WhistleWare, the InterJet system software, and communicate with the InterJet. It also provides information about setting up client computers on your Perimeter network to communicate with the InterJet. This information includes step-by-step instructions for

- installing and configuring TCP/IP properly for communication with the InterJet
- installing Netscape Communicator
- setting up Messenger—the mail program that Netscape Communicator includes—or another mail program to work with the InterJet mail server

This chapter also provides information about

- installing software that comes with the InterJet on a client computer
- configuring network devices—such as printers and servers—to communicate with client computers and the InterJet
- assigning static IP addresses to computers and devices on your network

Once you have configured the InterJet, run the Office Setup Wizard, and created user accounts, you can set up other client computers, as follows.

To set up a client computer on your...	So it can...	Follow the instructions in this section...
Office network	Access WhistleWare	"Setting Up Client Computers on Your Office Network to Access WhistleWare" on page 6-3
Office network	Communicate with the InterJet, without accessing WhistleWare	"Setting Up Client Computers on Your Office Network to Communicate with the InterJet" on page 6-11
Office network	Use a mail program that works with the InterJet mail server	"Manually Setting Up a Mail Program" on page 6-13
Perimeter network	Communicate with the InterJet	"Setting Up Client Machines on Your Perimeter Network to Communicate with the InterJet" on page 6-17

To use all of the basic services that the InterJet provides—regardless of whether you want to access WhistleWare—on each client computer on your Office network you must do the following:

- Install and properly configure TCP/IP—the networking software that the computer needs to communicate with the InterJet.
- Install Netscape Communicator—which includes Navigator—Microsoft Internet Explorer, or another Web browser.
- Set up Messenger—the mail program that Netscape Communicator includes—or install and set up another mail program to work with the InterJet mail server, such as Microsoft Outlook or Outlook Express, or a Eudora mail program.

Setting Up Client Computers on Your Office Network to Access WhistleWare

This section describes how to set up client computers on your Office network to access WhistleWare—that is, access the InterJet system software in a Web browser.



Note: You can access WhistleWare on client computers running either

- Windows 95 or 98—For information about setting up a computer running Windows to access WhistleWare, see the section, “Manually Setting Up a Windows Computer to Access WhistleWare” on page 6-4.
- Mac OS—For information about setting up a computer running Mac OS to access WhistleWare, see the section, “Manually Setting Up a Macintosh Computer to Access WhistleWare” on page 6-7.



Important: On each client computer on your Office network, you must configure the Web browser to use the InterJet proxy server if you want to use either certain scheduling and reporting features in WhistleWare, or the Web Site Blocking feature. For more information about the InterJet proxy server and detailed instructions on configuring Netscape Navigator or Microsoft Internet Explorer—running on either a Windows or Macintosh computer—to use the InterJet proxy server, see Chapter 4, “Configuring a Browser to Use the InterJet Proxy Server.”

For information about setting up client computers to communicate with the InterJet, but not to access WhistleWare, see the section “Setting Up Client Computers on Your Office Network to Communicate with the InterJet” on page 6-11.

Manually Setting Up a Windows Computer to Access WhistleWare

Setting up a Windows computer to access WhistleWare requires that you do the following:

- Install and configure TCP/IP to communicate with the InterJet.
- Install Netscape Communicator or Microsoft Internet Explorer.

Optionally, install and/or set up a mail program to work with the InterJet mail server. For information about setting up a mail program, see the section “Manually Setting Up a Mail Program” on page 6-13.



Important: Before setting up a Windows computer to access WhistleWare, verify that the computer meets the system requirements. For information about Windows system requirements, see the section “Windows System Requirements for Accessing WhistleWare” on page 1-9.

Manually Configuring TCP/IP on a Windows Computer

If TCP/IP is already installed on a computer running Windows 95 or 98, you can manually configure TCP/IP to communicate with the InterJet. Doing so allows you to change whatever settings you must to make TCP/IP compatible with the InterJet, while preserving custom settings that the computer needs to communicate with other devices on your network.



Tip: On a computer running Windows 95 or 98, you can use the WinIPCFG utility to view the computer’s current IP configuration. To do so, on the **Start** menu, click **Run**. In the Run dialog box that appears, type `wipcfg` in the **Open** box, then click **OK**. The IP Configuration dialog box appears.

To manually configure TCP/IP on a Windows computer so it can communicate with the InterJet, follow these steps:

- 1 On the **Start** menu, point to **Settings**, then click **Control Panel**.
The Control Panel window appears.
- 2 Open **Network**.

The Network control panel appears, which contains a list of all the network components currently installed on the computer.



Note: If **Client for Microsoft Networks** does not appear in the list of network components, you must install it to access the InterJet and other computers using Network Neighborhood. To install the component, follow the instructions in Windows Help.

- 3 In the list of network components, select **TCP/IP**, then click **Properties**.
The TCP/IP Properties dialog box appears.
- 4 Do the following:
 - a Click the **IP Address** tab.
 - b Select **Obtain an IP Address automatically**.
 - c Click the **DNS Configuration** tab.
 - d Select **Disable DNS**. (The computer receives all required DNS information from the InterJet through DHCP.)
 - e Click the **Gateway** tab.
 - f Ensure that the **Installed gateways** list box is empty. If necessary, remove any gateways that appear there.
 - g Click **OK** to return to the Network Control Panel.
- 5 In the Network Control Panel, click the **Identification** tab.
- 6 Option: Type the workgroup name for the InterJet in the **Workgroup** box.



Note: The default InterJet workgroup name is `workgroup`. You can use the System Agent in WhistleWare to determine or change the current InterJet workgroup name.

For more information about the InterJet workgroup name, refer to InterJet Help.

- 7 Click **OK**.
The Network Control Panel closes.
- 8 Restart Windows.
When Windows 95 or 98 starts up, the Welcome to Windows dialog box appears, in which you can identify yourself and log in to Windows.
 - If you have an InterJet user account, you can use your InterJet login name and password.
 - If you do not have an InterJet user account, and you are an InterJet administrator, value-added reseller (VAR), or networking consultant, you can use the login name `admin` and the password for the InterJet Administrator (`admin`) account.
- 9 In the Welcome to Windows dialog box, type the appropriate InterJet login name in the **User name** box.

- 10 Type the appropriate password in the **Password** box.
- 11 Click **OK**.

Manually Installing Netscape Communicator on a Windows Computer

You can manually install Netscape Communicator 4.5 on a computer running Windows 95 or 98.

Before installing Netscape Communicator on a Windows computer, verify that the computer meets the system requirements. For information about Windows system requirements, see the section “Windows System Requirements for Netscape Communicator” on page 1-11.

To install Netscape Communicator, follow these steps:

- 1 Insert the InterJet II Setup CD-ROM into your computer's drive.
The InterJet II Setup window appears.
- 2 Open the `Extras` folder.
- 3 Open the `Netscape Communicator` folder.
- 4 In the `Netscape Communicator` folder, double-click the executable file to run the Netscape Communicator installation program.
- 5 Follow the instructions on the screen to install Netscape Communicator.



Note: Netscape Communicator includes Messenger. You can use Messenger to send and receive e-mail messages. For information about manually setting up Messenger, see the section “Setting Up an E-mail Account in Netscape Messenger” on page 6-13.

Alternatively, on a Windows computer on which you have already configured TCP/IP to communicate with the InterJet, you can manually install Netscape Communicator 4.5 using the Netscape Communicator Installer in the `software/Win95/Communicator` folder on the InterJet file server.



For information about installing Netscape Communicator 4.5 using the installer on the InterJet, refer to InterJet Help.

Manually Setting Up a Macintosh Computer to Access WhistleWare

You must manually set up a Macintosh computer to access WhistleWare. To manually set up a Macintosh computer to access WhistleWare, you must do the following:

- Configure either TCP/IP or MacTCP to communicate with the InterJet.
- Install Netscape Communicator or Microsoft Internet Explorer.



Note: Accessing WhistleWare using Microsoft Internet Explorer for Mac OS requires the Mac OS Runtime for Java (MRJ) system extension—version 2.1 or a later version. For information about installing MRJ, see the section “Macintosh System Requirements for Accessing WhistleWare” on page 1-10.

Optionally, set up Messenger—the mail program that Netscape Communicator includes—or install and set up another mail program to work with the InterJet mail server. For information about setting up a mail program, see the section “Manually Setting Up a Mail Program” on page 6-13.



Important: Before setting up a Macintosh computer to access WhistleWare, verify that the computer meets the system requirements. For information about Macintosh system requirements, see the section “Macintosh System Requirements for Accessing WhistleWare” on page 1-10.

Determining Whether a Macintosh Computer Uses TCP/IP or MacTCP

Depending on whether a Macintosh computer’s primary networking system architecture is Open Transport or classic AppleTalk, the computer uses either

- TCP/IP—on computers using Open Transport protocols
- MacTCP—on computers using classic AppleTalk protocols

To determine whether a Macintosh computer uses Open Transport or classic AppleTalk as its networking system architecture, choose **Control Panels** from the Apple menu, then ascertain whether **TCP/IP** or **MacTCP** appears in the Control Panels submenu.

- If **TCP/IP** appears in the Control Panels submenu, the computer uses Open Transport.
- If **MacTCP** appears in the Control Panels submenu, the computer uses classic AppleTalk.

Manually Configuring TCP/IP on a Macintosh Computer

On a Macintosh computer, you must manually configure TCP/IP to communicate with the InterJet.

Using the TCP/IP Control Panel to Configure TCP/IP

On a Macintosh computer, if **TCP/IP** appears in the Control Panels submenu, use the TCP/IP control panel to manually configure TCP/IP.

To manually configure TCP/IP using the TCP/IP control panel, follow these steps:

- 1** On the **Apple** menu, point to **Control Panels**, then choose **TCP/IP** from the Control Panels submenu that appears.
The TCP/IP control panel appears.
- 2** Option: If your computer already has a TCP/IP configuration, save the configuration as follows:
 - a** On the **File** menu, click **Configurations**.
 - b** In the Configurations dialog box that appears, select a TCP/IP configuration, then click **Duplicate**.
 - c** In the Duplicate Configuration dialog box that appears, type a name for the new configuration—for example, `interjet configuration`—then click **OK**.
 - d** Click **Make Active** to close the Configurations dialog box.
- 3** In the TCP/IP control panel, select **Ethernet** in the **Connect via** pop-up menu.
- 4** Select **Using DHCP Server** in the **Configure** pop-up menu.
- 5** Click the close box to save your changes and close the TCP/IP control panel.

Your new settings become effective immediately.

Using the MacTCP Control Panel to Configure TCP/IP

On a Macintosh computer, if **MacTCP** appears in the Control Panels submenu, use the MacTCP control panel to manually configure TCP/IP.

To manually configure TCP/IP using the MacTCP control panel, follow these steps:

- 1** On the **Apple** menu, point to **Control Panels**, then choose **MacTCP** from the Control Panels submenu that appears.
The MacTCP control panel appears.
- 2** In the MacTCP control panel, select the **Ethernet** icon.
- 3** Click **More**.
The Administrator dialog box appears.
- 4** Under **Obtain Address**, select **Server**.
- 5** Under **Domain Name Server Information**, specify the following information:
 - a** Type your domain name in the **Domain** box—for example, `mycompany.com`
 - b** Type the IP address for the InterJet on the Office network in the **IP Address** box, using dotted decimal notation, `xxx.xxx.xxx.xxx`. (The default IP address appears on your InterJet Setup Sheet.)
- 6** Click **OK** to save your changes and close the Administrator dialog box.
- 7** Click the close box to close the MacTCP control panel.
- 8** Choose **Restart** from the **Special** menu to restart the computer.
Once the computer restarts, your new settings become effective.

Manually Installing Netscape Communicator on a Macintosh Computer

You can manually install Netscape Communicator 4.5 on a Macintosh computer.



Important: Before installing Netscape Communicator on a Macintosh computer, verify that the computer meets the system requirements. For information about Macintosh system requirements, see the section “Macintosh System Requirements for Netscape Communicator” on page 1-11.

To install Netscape Communicator, follow these steps:

- 1 Insert the InterJet II Setup CD-ROM into your computer's drive.
The Whistle InterJet Installers icon appears on your computer's desktop.
- 2 Open the Communicator folder.
- 3 In the Communicator folder, double-click the installer icon to open the installer.
- 4 Follow the instructions on the screen to install Netscape Communicator.



Note: Netscape Communicator includes Messenger. You can use Messenger to send and receive e-mail messages. For information about manually setting up Messenger, see the section “Setting Up an E-mail Account in Netscape Messenger” on page 6-13.

Alternatively, on a Macintosh computer on which you have already configured TCP/IP to communicate with the InterJet, you can manually install Netscape Communicator 4.5 using the Netscape Communicator Installer in the software/MacOS/Communicator folder on the InterJet file server.



For information about installing Netscape Communicator 4.5 using the installer on the InterJet, refer to InterJet Help.

Setting Up Client Computers on Your Office Network to Communicate with the InterJet

This section describes how to set up client computers on your Office network to communicate with the InterJet. Follow these instructions when setting up a client computer that either cannot access WhistleWare or on which there is no need to access WhistleWare. For information about setting up client computers to access WhistleWare, see the section “Setting Up Client Computers on Your Office Network to Access WhistleWare” on page 6-3.

The InterJet can communicate with any client computer on your Office network on which TCP/IP is running and configured properly. You can run TCP/IP on any computer that is running an operating system that supports it—including Windows 3.1, 95, 98, 2000, and NT, Mac OS, OS/2, and UNIX.

To set up a client computer on your Office network to communicate with the InterJet, do the following:

- Install and configure TCP/IP to communicate with the InterJet.
- Optionally, install Netscape Communicator—which includes Navigator—Microsoft Internet Explorer, or another Web browser.

Optionally, set up Messenger—the mail program that Netscape Communicator includes—or install and set up another mail program to work with the InterJet mail server, such as Microsoft Outlook or Outlook Express, or a Eudora mail program.



Note: If the client computer is running Windows 95 or 98, you can use InterJet II Setup on the InterJet II Setup CD-ROM to install TCP/IP and, optionally, to install Netscape Communicator—which includes Navigator and Messenger—and set up Messenger. For information about using InterJet II Setup, see the section “Setting Up Client Computers Automatically” on page 5-1.”

You must manually set up a client computer running any operating system other than Windows 95 or 98.

For information about...	See the section...
Manually setting up a client computer running Windows 95 or 98	"Manually Setting Up a Windows Computer to Access WhistleWare" on page 6-4
Manually setting up a Macintosh computer	"Manually Setting Up a Macintosh Computer to Access WhistleWare" on page 6-7
Manually configuring TCP/IP on a computer running another operating system	"Manually Configuring TCP/IP on a Computer Running Another Operating System" on page 6-12
Manually setting up a mail program to work with the InterJet mail server	"Manually Setting Up a Mail Program" on page 6-13

Manually Configuring TCP/IP on a Computer Running Another Operating System

On a client computer running any operating system other than Windows 95 or 98, you must configure TCP/IP manually. To configure TCP/IP, you can do either of the following:

- Enable DHCP (Dynamic Host Configuration Protocol) if available on the computer. Using DHCP, the client computer can request the InterJet to assign a dynamic IP address to it.
- Use the *InterJet Setup Sheet* or other information from IBM to determine what valid static IP address you can assign to the computer. Then access WhistleWare and use the System Agent to manually assign the IP address to the computer. For information about configuring TCP/IP on a computer to use a static IP address, see the section "Configuring TCP/IP for a Static IP Address" on page 6-21.



For information about assigning an IP address to a client computer, refer to Getting Started with the InterJet II or InterJet Help.

Manually Setting Up a Mail Program

To use the InterJet mail server, you must set up an SMTP/POP3 mail program on each client computer to

- recognize the user's InterJet account name
- use the InterJet mail server for incoming and outgoing mail

On a client computer running Windows 95 or 98, you can use InterJet II Setup to automatically install Netscape Communicator and set up Messenger, the mail program that Communicator includes.

Alternatively, you can manually set up Netscape Messenger or another mail program on a client computer to use the InterJet mail server in any of the following circumstances:

- if you did not already set up Netscape Messenger using InterJet II Setup and you want to use Messenger
- if you are using a computer running an operating system other than Windows 95 or 98
- if you want to use a mail program other than Netscape Messenger—such as Microsoft Outlook or Outlook Express, or a Eudora mail program—and have previously installed the program on the client computer

Setting Up an E-mail Account in Netscape Messenger

You can manually set up Netscape Messenger to use the InterJet mail server.

To manually set up Netscape Messenger to use the InterJet mail server, follow these steps:

- 1 Run Netscape Communicator.
If you have not previously run Netscape Communicator, the User Profile Manager appears, with which you can set up a user profile, as described in step 2. Otherwise, skip to step 3.
- 2 Follow the instructions in the User Profile Manager, specifying the following information, then click **Finish**.
 - **Full Name:** Type the user's real name, including both the first and last name.
 - **Email Address:** Type the user's e-mail address.
The user's e-mail address includes the InterJet login name and domain name, and has the following form:

`login_name@domain_name.com`

- **Profile Name:** Type a name to identify the user, such as the user's real name or InterJet login name.
- **Outgoing (SMTP) Mail Server:** Type `interjet`.



Note: If you have configured a computer—rather than the InterJet—as the SMTP mail server on your Office network, type the name of that computer.

- **Mail Server User Name:** Type the user's InterJet login name.
- **Incoming Mail Server:** Type `interjet`.



Note: If you have configured a computer—rather than the InterJet—as the POP3 mail server on your Office network, type the name of that computer.

- **Mail Server Type:** select **POP3** (recommended for most users) or **IMAP**.

3 On the **Edit** menu, choose **Preferences**.

The Preferences dialog box appears.

4 Under **Category**, expand the **Mail & Newsgroups** category to view a list of e-mail and newsgroup preferences.

If you skipped step 2, follow step 5 to set up or confirm a user profile. Otherwise, skip to step 6.

5 To set up a user profile, follow these steps:

- a** Select **Identity** in the list of e-mail preferences.
The Identity preferences appear on the right.
- b** Type the user's real name, including both the first and last name, in the **Your name** box.
- c** Type the user's e-mail address in the **Email address** box.
The user's e-mail address includes the InterJet login name and domain name, and has the following form:
`login_name@domain_name.com`
- d** Type the user's organization name in the **Organization** box.

6 Select **Mail Servers** in the list of e-mail preferences.

The Mail Servers preferences appear on the right.

7 Type `interjet` in the **Outgoing mail (SMTP) server** box.



Note: If you have configured a computer—rather than the InterJet—as the SMTP mail server on your Office network, type the name of that computer in this box instead.

- 8 Type the user's InterJet login name in the **Outgoing mail server user name** box.
- 9 To specify an incoming mail server, follow these steps:
 - a Under **Incoming Mail Servers**, click **Add**.
The Mail Server Info dialog box appears.
 - b Type `interjet` in the **Server Name** box.



Note: If you have configured a computer—rather than the InterJet—as the POP3 mail server on your Office network, type the name of that computer in this box instead.

- c In the **Server Type** drop-down list, select **POP3** (recommended for most users) or **IMAP**.
 - d Type the user's InterJet login name in the **User name** box.
 - e Click **OK** to save your changes and close the Mail Server Info dialog box.
- 10 Click **OK** to save your changes and close the Preferences dialog box.



For information about forwarding e-mail messages to another mail server, refer to InterJet Help.

Setting Up Another Mail Program

To set up an SMTP/POP3 mail program other than Netscape Messenger—such as Microsoft Outlook or Outlook Express, or a Eudora mail program—to use the InterJet mail server, you must specify the following values for similarly labeled settings:

- **User name:** the user's real name—for example, John Smith
- **E-mail address:** the user's InterJet login name and domain name—for example, `jsmith@mycompany.com`
- **Mail server user account name:** the user's InterJet login name—for example, `jsmith`
- **Password:** the user's InterJet user account password

- **Outgoing mail (SMTP) server name:** `interjet`
- **Incoming mail (POP3) server name:** `interjet`
- **Mail server type:** POP3 (recommended for most users) or IMAP



Note: If you have configured a computer—rather than the InterJet—as the SMTP and/or POP3 mail server on your Office network, specify the name of that computer rather than `interjet`.



For information about forwarding e-mail messages to another mail server, refer to InterJet Help.

Refer to your mail program's documentation for instructions on setting up an e-mail account. Some programs provide an automatic setup program that requests information.

Installing Bundled Software on a Client Computer

This section describes how to install the third-party software that the InterJet includes.

In the `software` folder on the InterJet file server, the `Win95` folder contains Netscape Communicator 4.5 for Windows computers and the `MacOS` folder contains Netscape Communicator 4.5 for Macintosh computers. To use Netscape Communicator 4.5, you must first install it on a hard disk on a client computer.

In addition to Netscape Communicator 4.5, the InterJet II Setup CD-ROM may contain other bundled third-party software. The `Win95` folder contains software for Windows computers and the `MacOS` folder contains software for Macintosh computers. The *Read Me First* document for the InterJet II describes the software in these folders. To use this software, you must first install it on a hard disk on a client computer.

Setting Up Client Machines on Your Perimeter Network to Communicate with the InterJet

This section describes how to set up client machines on your Perimeter network to communicate with the InterJet and provide public services.

If you have connected a Perimeter network to your InterJet, you must configure and enable the Perimeter network to allow computers on that network to communicate with the InterJet. This occurs automatically when you use InterJet II Setup to configure the InterJet. Alternatively, you can use the System Agent in WhistleWare to configure and enable the Perimeter network.



For more information about configuring and enabling the Perimeter network, refer to InterJet Help.

Once you have configured and enabled the Perimeter network, you can set up a client computer on that network to host a public Web or FTP site, or provide other services available to people outside your organization.

Installing and Configuring TCP/IP on a Client Computer on Your Perimeter Network

The InterJet can communicate with any client computer on your Perimeter network on which TCP/IP is running and configured properly. You can run TCP/IP on any computer that is running an operating system that supports it—including Windows 3.1, 95, 98, 2000, and NT, Mac OS, OS/2, and UNIX.

To set up a client computer on your Perimeter network to communicate with the InterJet, you must do one of the following:

- If TCP/IP is not currently installed on the computer, install and configure TCP/IP.
- If TCP/IP is already installed on the computer, you can configure TCP/IP manually.



Note: If the client computer is running Windows 95 or 98, you can use InterJet II Setup on the InterJet II Setup CD-ROM to install and configure TCP/IP. For information about using InterJet II Setup, see the section “Setting Up Client Computers Automatically” on page 5-1.

You must manually configure TCP/IP on a client computer running any operating system other than Windows 95 or 98.

For information about...	See the section...
Manually configuring TCP/IP on a computer running Windows 95 or 98	"Manually Configuring TCP/IP on a Windows Computer" on page 6-4
Manually configuring TCP/IP on a Macintosh computer	"Manually Configuring TCP/IP on a Macintosh Computer" on page 6-8
Manually configuring TCP/IP on a computer running another operating system	"Manually Configuring TCP/IP on a Computer Running Another Operating System" on page 6-12

You can assign a static IP address to a client computer on your Perimeter network. For information about assigning static IP addresses, see the section "Assigning Static IP Addresses" on page 6-20.

Enabling DHCP for the Perimeter Network

Normally, machines on your Perimeter network should not use DHCP to obtain dynamic IP addresses from the InterJet, especially if they are providing public services. However, you must ensure that the InterJet can communicate with client machines on your Perimeter network by enabling DHCP for the Perimeter network if you either

- used InterJet II Setup to install and configure TCP/IP on one or more client computers on the Perimeter network
- manually configured TCP/IP to use DHCP on one or more client computers on the Perimeter network



For information about enabling DHCP, refer to InterJet Help.

Providing Public Services

To set up a client computer on your Perimeter network to provide public services, install the appropriate server software on the computer. For example, you can install

- a Web server to host a Web site that is accessible to the public
- an FTP server to provide file transfer services

You must assign it a static IP address to each computer that hosts public services on the Perimeter network. The IP address for a host computer must be the same address that the InterJet assigns to the Web or FTP host during auto-configuration. For information about assigning static IP addresses to client computers, see the section “Assigning Static IP Addresses” on page 6-20.

The InterJet also assigns an appropriate DNS name to a host computer for each public service that it provides. This assignment occurs automatically during auto-configuration. For example:

- If a computer hosts a Web site, the InterJet typically assigns the DNS name `www` to the computer.
- If a computer hosts an FTP site, the InterJet typically assigns the DNS name `ftp` to the computer.



For more information about hosting Web and FTP sites, refer to Getting Started with the InterJet II or InterJet Help.

Configuring Printers, Servers, and Other Devices on a Network

This section describes how to configure network devices on your Office and Perimeter networks to communicate with client computers and the InterJet.

Optionally, you can configure network devices that can run TCP/IP—such as printers, scanners, or servers—to communicate with client computers and the InterJet. You must configure such devices manually, following the instructions in their manuals.



Note: The InterJet does not perform special functions for devices on your network—for example, the InterJet does not run a printer server.

Typically, you must assign a static IP address to each such device on your network. If you have already assigned static IP addresses to devices on your network, you may need to change the addresses to ensure that they fall within the range of available static IP addresses on a network connected to the InterJet and that each device has a unique address—that is, each address is assigned to only one device. For information about assigning static IP addresses to network devices, see the following section “Assigning Static IP Addresses” on page 6-20.

Once you have configured a network device properly, the InterJet automatically detects the device on your network and creates an entry for it in the list of machines on the View Network/Machines page in the System Agent. The InterJet may take as much as 30 minutes to detect a newly configured device.



For information about viewing a list of machines on a network, refer to InterJet Help.

Assigning Static IP Addresses

This section provides information about assigning static IP addresses to machines—that is, computers and devices—on your networks.

You must assign a static IP address to any network machine running TCP/IP that does not support DHCP (Dynamic Host Configuration Protocol). The InterJet cannot dynamically assign an IP address to a machine that does not support DHCP. Therefore, such a machine requires a static IP address to enable the InterJet and computers on your Office and Perimeter networks to communicate with it. Machines that require static IP addresses include

- Network printers, scanners, servers, and other devices that have Ethernet connectors and run TCP/IP
- Windows 3.1 computers with TCP/IP installed
- UNIX computers that do not support DHCP

You can assign a static IP address to any computer on your network, regardless of whether it supports DHCP. If you want to provide a public service such as a Web or FTP site on a computer on your Perimeter network, you must assign a static IP address to that computer.

Before configuring a machine, you must obtain a valid static IP address for the machine. A specific range of static IP addresses is available on each network connected to the InterJet. Each machine to which you assign a static IP address must have a unique IP address within the range for the network on which it resides.

The InterJet itself has a static IP address on your Office network, and may have one on your Perimeter network, if applicable. To determine the static IP address for the InterJet, the range of available static IP addresses on each network, and the static IP addresses that are currently in use, go to the View Network/Machines page for each network in the System Agent.



For information about viewing a list of machines on a network, refer to InterJet Help.



Tip: Whistle Communications recommends that you make a list of all machines that require static IP addresses, and assign an available static IP address to each machine in the list.

Once you assign a static IP address to a machine, you do can either of the following:

- In WhistleWare, add a new machine to a network, specifying its static IP address and DNS name on the New Machine page. Then configure the machine to use that IP address.
- Configure the machine to use a static IP address. The InterJet then automatically detects the machine on your network and adds it to the list of machines on the View Network/Machines page in WhistleWare. In the **Name** column of the Network/Machines list, the machine is labeled Auto-detected. You can specify a DNS name for the machine by editing its configuration on the Edit Machine page. The DNS name then appears in the **Name** column.



For information about adding a machine to a network and editing a machine's configuration, refer to InterJet Help.

Configuring TCP/IP for a Static IP Address

If you assign a static IP address to a client computer, you must also configure TCP/IP on that computer so it can use the static IP address. You must assign a static IP address to any client computer on your Perimeter network that is to provide public services and configure TCP/IP to use the static IP address.

To configure TCP/IP for a static IP address, you must specify the following values for similarly labeled settings:

- If the computer is on your Office network:
 - **IP address:** Specify an IP address that is within the range of IP addresses for the Office network.
 - **Netmask or Subnet mask:** Specify the netmask for the Office network.
 - **Gateway or Router address:** Specify the IP address for the InterJet on the Office network.

- **DNS server or Name server:** Specify the IP address for the InterJet on the Office network.
 - **Domain or Search domain:** Specify your organization's domain name—for example, `whistle.com`.
- If the computer is on your Perimeter network:
- **IP address:** Specify an IP address that is within the range of IP addresses for the Perimeter network.
 - **Netmask or Subnet mask:** Specify the netmask for the Perimeter network.
 - **Gateway or Router address:** Do one of the following:
 - If the InterJet uses a WAN port to connect to IBM or another ISP, specify the IP address for the InterJet on the Perimeter network.
 - If the InterJet uses a device on your Perimeter network to connect to IBM or another ISP, specify either the device's IP address, if it has one, or the IP address that your ISP gave to you for the gateway.
 - **DNS server or Name server:** Specify the IP address of the InterJet on the Perimeter network.
 - **Domain or Search domain:** Specify your organization's domain name—for example, `whistle.com`.



Setting Up Your Own Client Computer

This chapter explains what InterJet users must do to finish setting up their own client computers, once the computers have been set up to communicate with the InterJet and access WhistleWare, the InterJet system software.

1 Log in to the InterJet.

You can log in to the InterJet to access WhistleWare using the InterJet login name and default password that your InterJet administrator gave to you.

To log in to the InterJet, follow these steps:

- 1 Do either of the following:
 - Start your Web browser, then type `interjet` in the **Address** or **Location** box.
 - Double-click the **InterJet** icon on your desktop. (This icon is available only if InterJet II Setup was used to install Netscape Communicator on your computer.)

A login dialog box appears.
- 2 Type your InterJet login name and the default password that your InterJet administrator gave to you.

The InterJet home page appears.

2 Change the password for your InterJet user account.

For security, you should change the default password that your InterJet administrator gave to you for your new user account to any password of your choice. Then, use your new password whenever you log in to the InterJet—either to use WhistleWare, or to access shared or private storage space on the InterJet file server.

To change your InterJet password, follow these steps:

- 1 In the Agent Selector, click **Personnel**.
The Personnel Agent View appears.
- 2 Do one of the following:
 - If you do not have the Personnel Administrator privilege, click the **Users** object.
 - If you have the Personnel Administrator privilege, point to the **Users** object. On the Users menu that appears, click **Users List**.

The Users List page appears, with your login name selected by default.

- 3 Do one of the following:
 - If you have only basic privileges, click **view**.
 - If you are an InterJet administrator, click **edit**.
- 4 Type your new password in the **New password** box.



Notes:

- If your custom service package includes the Secure Remote Access feature, your password must consist of at least four characters and have a combination of letters and at least one number or other character.
 - Passwords are case sensitive.
- 5 Type your new password again in the **Confirm password** box to verify that you typed it correctly.
 - 6 Click **OK**.
 - 7 Click **Close** to close the Users List page.

3 Ensure that you can access the Internet.

If your InterJet user account allows you to access the Internet, access a Web site on the Internet to verify that your computer is configured properly for Internet access.

To access a Web site, type the site's Internet address, or URL, in your browser's **Location** or **Address** box. For example, the URL for the Whistle Communications Web site is `http://www.whistle.com`.

Depending on how your InterJet administrator has configured the InterJet, when you attempt to access a Web site, the InterJet proxy server may request you to log in using your InterJet login name and password.

If you are unable to access the Internet, ask your InterJet administrator for assistance.

4 Choose where you want to store your e-mail messages.

Once you retrieve your e-mail messages from the InterJet mail server, your mail program can store them in one of the following ways:

- on your computer only
- on the InterJet mail server only
- on both your computer and the InterJet mail server

To store your messages at a different location, you can select a different option in your mail program at any time.



For more information about storing your e-mail messages, refer to InterJet Help and look up "e-mail messages, storing" in the Index. For information about changing the option in your mail program, refer to its documentation.

5 Ensure that you are using your InterJet login name as your Windows login name.

To use a client computer running Windows 95 or 98 to access shared or private storage space on the InterJet file server, you must log in to Windows or Microsoft Networking using your InterJet login name. If your Windows or Microsoft Networking password and your InterJet password are not the same, the InterJet asks you to provide your password whenever you attempt to access the file server using Network Neighborhood.

To change the password for your Windows computer, follow the instructions in Windows Help.



For information about using shared or private storage space on the InterJet file server, refer to InterJet Help and look up “file server” in the Index.

6 Ensure that you can access the InterJet using Windows Network Neighborhood.

To verify that you can use a Windows client computer to access shared or private file storage space on the InterJet file server, open **Network Neighborhood**. The InterJet should appear in the list of devices. Double-click the **InterJet** icon to access the InterJet file server.

If the InterJet does not appear in **Network Neighborhood**, your computer and the InterJet are not in the same workgroup. To determine the workgroup in which the InterJet resides, open **Entire Network**. Once **Entire Network** opens, it may take up to 15 minutes for the InterJet to appear in a workgroup’s list. The default workgroup for the InterJet is WORKGROUP.

If your computer and the InterJet are not in the same workgroup, specify the workgroup for the InterJet as your computer’s workgroup. To change your computer’s workgroup, open the **Network** control panel, click the **Identification** tab, then type the name of the InterJet workgroup in the **Workgroup** box.

Alternatively, your InterJet administrator can change the workgroup for the InterJet, specifying the name of the workgroup in which all Windows client computers on your network reside.

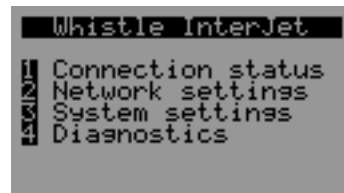
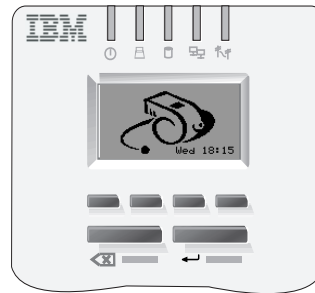


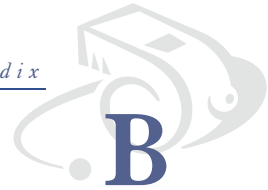
Turning Off the InterJet DHCP Server

The InterJet Dynamic Host Configuration Protocol (DHCP) server provides dynamic IP addresses to machines on your network that are configured to use DHCP. If your network is already running a DHCP server when you install the InterJet, the InterJet detects it and automatically turns off its DHCP server to avoid IP addressing conflicts. However, Whistle Communications recommends that you verify that the InterJet DHCP server is turned off.

To turn off the InterJet DHCP server, follow these steps:

- 1 On the front panel of the InterJet, press **Enter**.
The main menu displays on the LCD screen.
- 2 Press 2 on the numeric keypad to select **Network settings**.
The Network Settings menu appears.
- 3 Press 3 to toggle **Office DHCP**.





Specifying DHCP and Microsoft Networking Settings

This appendix provides instructions for specifying the following information to configure the InterJet Dynamic Host Configuration Protocol (DHCP) server:

- **Range of dynamic IP addresses:** The InterJet DHCP server is configured with a default range of dynamic IP addresses that it provides to client machines on your network. If you changed the default IP address or netmask for the InterJet on your private Office network during the installation process, the InterJet automatically adjusts its range of dynamic IP addresses. However, you may need to re-adjust the range to specify a different number of available dynamic IP addresses for your network.
- **NetBIOS name server type:** If your network includes a NetBIOS name server for computers running the Microsoft Windows operating system—such as a Windows Internet Naming Service (WINS) server running on Windows NT Server—you may need to change the default setting that the InterJet DHCP server provides to client machines.
- **NetBIOS scope ID:** If your network includes Windows computers that use a scope ID that they receive through DHCP, you can specify the scope ID on the InterJet. A scope ID defines a group of computers that can communicate only with each other. Most networks, however, do not use scope IDs.
- **WINS server IP addresses:** If your network includes a Windows Internet Naming Service (WINS) server running on Windows NT Server, and client machines on your network receive the IP address for the WINS server through DHCP, you must specify the IP address for the WINS server on the InterJet.

Specifying a Range of Dynamic IP Addresses and NetBIOS Settings

To specify a range of dynamic IP addresses for your network or NetBIOS settings for Microsoft Networking, follow these steps:

- 1 In the Agent Selector, click **System**.

The System Agent View appears.

- 2 Point to the **Office Net** object.
- 3 On the Office Network menu, click **Network/Machines List**.

The View Network/Machines page for the Office network appears.

- 4 In the Network/Machines list, click the option button for the Office network.

- 5 Click **edit**.

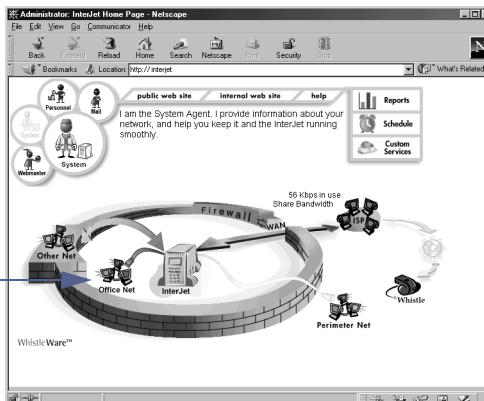
The Edit Office Network page appears.

- 6 Under Dynamic Host Configuration Protocol (DHCP), specify configuration settings.



Tip: For descriptions of these configuration settings, click **help**.

- 7 Click **OK**.



View Network/Machines - Netscape

I keep track of all of the machines on your network. To view more information about a machine, select the machine, then click **edit**.

Select	IP Address	Name	Link
☐	192.168.1.1	Office Ethernet	192.168.1.1
☐	192.168.1.1	interjet	00:60:81:01:04:3b
☐	192.168.1.4	Auto-detected	00:10:4b:cb:c4:7f
☐	192.168.1.6	bach	00:c0:4f:c4:49:a0
☐	192.168.1.10	Auto-detected	00:10:3d:cb:58:a0
☐	192.168.1.14	Auto-detected	00:c0:5d:cb:47:ef
☐	192.168.1.26	testmach	00:10:4b:24:5b:25
☐	192.168.1.29	marmith	00:60:97:15:fb:1b
☐	192.168.1.35	Auto-detected	00:c0:4f:c4:49:d7
☐	192.168.1.43	Auto-detected	00:10:4b:75:31:16
☐	192.168.1.57	ijones	00:10:4b:6e:69:b1
☐	192.168.1.68	Auto-detected	00:60:08:ae:0a:30
☐	192.168.1.81	Auto-detected	00:10:4b:30:64:48
☐	192.168.1.125	m10	55:41:53:20:10:80:27:0a:00:50:07:37:cb:9f
☐	192.168.1.137	Auto-detected	00:40:05:37:bb:8d
☐	192.168.1.140	Auto-detected	00:80:29:69:bf:76
☐	192.168.1.149	m100	52:41:53:20:10:80:27:0a:fe:df:bd:01:01:00
☐	192.168.1.156	Auto-detected	00:50:07:37:cb:9f
☐	192.168.1.164	Auto-detected	00:10:5a:18:73:df

Edit Network - Netscape

Tell me how you want to change the information about the Office network. When you are finished, click **OK**.

Network Configuration

Description: **Office Ethernet** Port: **Office Ethernet**

Network address: Netmask width:

☐ Disable automatic ARP broadcasts from the Interjet on this network.

Dynamic Host Configuration Protocol (DHCP)

☒ Service DHCP requests from this network

Lease: day

Range of dynamic IP addresses: --

NetBIOS type:

Scope ID:

OK **Cancel**

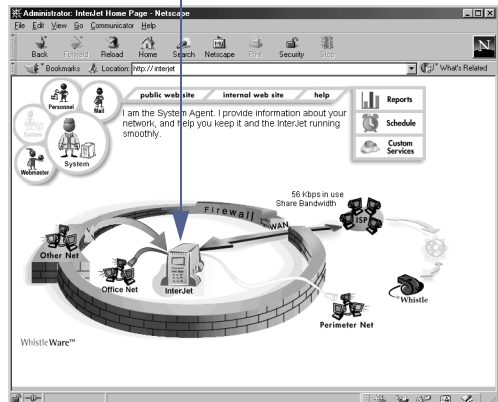
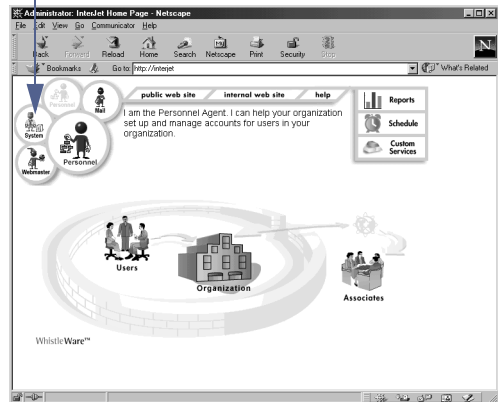
Specifying WINS Server Addresses

To specify the IP addresses for WINS servers so the InterJet can pass them to DHCP client machines on your network, follow these steps:

- A In the Agent Selector, click **System**.
- B Point to the **InterJet** object.
- C On the menu, click **General Configuration**.

The General Configuration page appears.

Continued on next page.



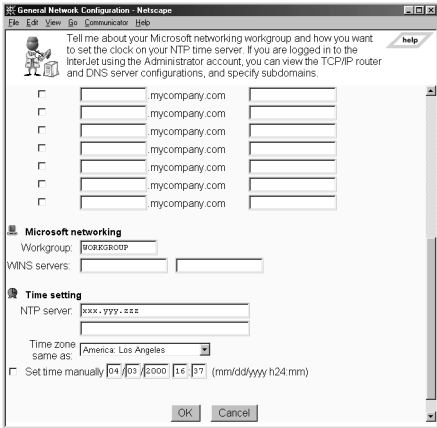
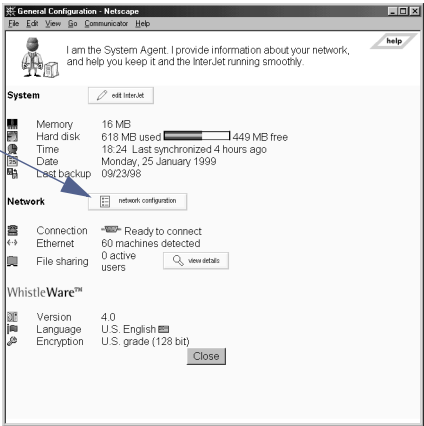
D Click **Network Configuration**.

The General Network Configuration page appears.

E Under **Microsoft Networking**, type the IP addresses for the WINS servers on your network in the **WINS servers** boxes.

F Click **OK**.

G Click **Close** to close the General Configuration page.





Troubleshooting

This appendix provides information about how to solve some common problems that you may encounter when installing and configuring the InterJet and setting up client computers. For assistance with other problems, refer to your *Customer Care Guide* for information about contacting a customer support specialist or accessing online support.

Troubleshooting Auto-configuration

Problems with auto-configuration

Problem or Symptom	Recommended Action
Line is busy: During auto-configuration, when the InterJet attempts to dial the IBM auto-configuration server, the Auto-configuration Wizard indicates that the line is busy.	1 Wait a few minutes, then return to the wizard's Port Configuration page by clicking your browser's Back button. Click Next to redial the IBM server. If the Auto-configuration wizard is not currently running, type <code>interjet/agent/admin/setup-wizard</code> in your browser's Location or Address box to start the wizard. 2 If you are unable to connect to the IBM server after several attempts, verify that you are using the correct dialing prefix and telephone number. 3 If you are using an analog or ISDN line to connect to the IBM server, include 1 and the area code with the setup telephone number, even if the InterJet is dialing a local number. 4 To verify that the telephone line is working properly, connect a telephone to the telephone jack to which you had connected the InterJet, then dial a local telephone number. 5 If the line is not working properly, contact your telephone company. If the line is working, but you are unable to connect to the IBM server, contact your customer support specialist.

Problems with auto-configuration

Problem or Symptom	Recommended Action
No dial tone: During auto-configuration, when the InterJet attempts to dial the IBM auto-configuration server, the wizard indicates that there is no dial tone.	1 Return to the wizard's Configure Dialing Information page by clicking your browser's Back button. Verify that you are using the correct dialing prefix. 2 If you are using an analog or ISDN line to connect to the IBM server, include 1 and the area code with the setup telephone number, even if the InterJet is dialing a local number. If the Auto-configuration wizard is not currently running, type <code>interjet/agent/admin/setup-wizard</code> in your browser's Location or Address box to start the wizard. 3 To verify that the telephone jack to which you had connected the InterJet is active, connect a telephone to the jack, then listen for a dial tone. If you do not hear a dial tone, contact your telephone company. 4 If the jack is not working, contact your telephone company. If the jack is working, but you are unable to connect to the IBM server, contact your customer support specialist.
No answer/modem not responding: During auto-configuration, when the InterJet attempts to dial the IBM auto-configuration server, the wizard indicates that there is no answer or that the modem is not responding.	1 Return to the wizard's Configure Dialing Information page by clicking your browser's Back button. Verify that you typed the setup telephone number correctly. If the Auto-configuration wizard is not currently running, type <code>interjet/agent/admin/setup-wizard</code> in your browser's Location or Address box to start the wizard. 2 If you are using an analog or ISDN line to connect to the IBM server, include 1 and the area code with the setup telephone number, even if the InterJet is dialing a local number. 3 To verify that the telephone line is working properly, connect a telephone to the telephone jack to which you had connected the InterJet, then dial a local telephone number. 4 If the line is not working properly, contact your telephone company. If the line is working, but you are unable to connect to the IBM server, contact your customer support specialist to verify that you have the correct telephone number.

Troubleshooting Hardware Connections

Problems with hardware connections

Problem or Symptom	Recommended Action
You connected an InterJet WAN port—56K modem port, ISDN port, serial port, or synchronous port—to your telecommunications service line, but after you configured the InterJet, the WAN indicator remained unlit, indicating that the InterJet was unable to establish a connection with IBM or another ISP. 	1 Configure the InterJet again, either using the Auto-configuration Wizard or manually, as described in Chapter 3, “Configuring the InterJet and Setting Up Client Computers.” Be sure that you specify all settings correctly. 2 If you cannot resolve the problem, contact your customer support specialist, ISP, value-added reseller (VAR), or networking consultant.
The power indicator is unlit. 	1 Disconnect the power cord from both the wall outlet and the InterJet, then reconnect the power cord. 2 To verify that the wall outlet is supplying power to the InterJet, plug another device—such as a lamp—into the wall outlet, then turn it on. 3 Plug the InterJet into another wall outlet. 4 If you cannot resolve the problem, contact your customer support specialist, ISP, value-added reseller (VAR), or networking consultant.

Problems with hardware connections

Problem or Symptom	Recommended Action
The WAN indicator is red, indicating that the InterJet cannot connect to IBM or another ISP. 	1 Verify that the connectors on the cabling that connects the InterJet to your telecommunications service line are securely connected. 2 In WhistleWare, use the System Agent to verify that the WAN port that the InterJet is using to connect to your ISP is configured properly. Refer to InterJet Help for information about configuring the WAN port. 3 Turn the InterJet off, then on again. 4 If your InterJet connects to your ISP using an analog or ISDN telephone line, to verify that the telephone jack to which you had connected the InterJet is active, connect a telephone to the jack, then listen for a dial tone. 5 Try using a different cable to connect the InterJet to your telecommunications service line. 6 If you cannot resolve the problem, contact your customer support specialist or ISP.
The LAN indicator is red, indicating that the InterJet cannot communicate with your Office network. 	1 Verify that the connectors on the Ethernet cabling that connects the Office Ethernet port on the InterJet to the Ethernet hub are securely connected. Once the InterJet establishes a connection, the Link indicator next to the Office Ethernet port turns green. 2 If you connected the orange Ethernet crossover cable to an Ethernet hub's uplink or daisy-chain port, verify that the port is not sharing a channel with a standard hub port to which you have connected another Ethernet cable. 3 Temporarily disconnect all client computers and other devices from your Office network, then reconnect them, one at a time. 4 Use the System Agent to verify that you have configured the Office network correctly. Refer to InterJet Help for information about configuring the Office network.

Problems with hardware connections

Problem or Symptom	Recommended Action
You connected the orange Ethernet crossover cable to either the Office Ethernet port or the Perimeter Ethernet port, and to an Ethernet hub's uplink or daisy-chain port, but the Link indicator next to the InterJet Ethernet port remains unlit.	1 Verify that the hub's uplink or daisy-chain port is not sharing a channel with a standard hub port to which you have connected another Ethernet cable. If the uplink or daisy-chain port is sharing a channel with a regular hub port, disconnect the Ethernet cable from the standard hub port. 2 If you cannot resolve the problem, call your customer support specialist, value-added reseller (VAR), or networking consultant.
You connected the orange Ethernet crossover cable to the Perimeter Ethernet port and to a client computer, but the Link indicator next to the Perimeter Ethernet port remains unlit.	Use the InterJet LCD and keys to manually set the Ethernet speed to that of the client computer's Ethernet card. For instructions on how to set the Ethernet speed, contact your customer support specialist.

Troubleshooting Client Computers

Problems with client computers

Problem or Symptom	Recommended Action
You cannot access the Internet on a client computer.	1 If the computer is using DHCP to obtain a dynamic IP address from the InterJet, verify that the TCP/IP settings do <i>not</i> specify a gateway. For more information about configuring a computer to use DHCP, see the section "Manually Configuring TCP/IP on a Windows Computer" on page 6-4 or "Manually Configuring TCP/IP on a Macintosh Computer" on page 6-8. 2 If the computer has a static IP address, and is on the Office network, verify that the TCP/IP settings specify the IP address for the InterJet on the Office network is the gateway. For more information about static IP addresses, see the section "Configuring TCP/IP for a Static IP Address" on page 6-21.
On a client computer running Windows 95 or 98, you cannot find the InterJet icon in Network Neighborhood.	1 Ensure that the client computer and the InterJet are in the same workgroup. See "Ensure that you can access the InterJet using Windows Network Neighborhood." on page 7-4. 2 Open Windows Explorer. On the Tools menu, choose Computer on the Find submenu. Search for the InterJet. Note that once the Find tool locates the InterJet, it also indicates the workgroup in which the InterJet resides.
You cannot see any client computers on your network, using Windows Network Neighborhood.	1 Ensure that the client computers are set up for file sharing on a network. To provide file-sharing services, a Windows computer must have the appropriate networking client software—such as Client for Microsoft Networks—installed on it. 2 If the appropriate networking client software is not currently installed on a computer, install the software, following the instructions in Windows Help. 3 Ensure that the client computer and the InterJet are in the same workgroup. See "Ensure that you can access the InterJet using Windows Network Neighborhood." on page 7-4

Problems with client computers

Problem or Symptom	Recommended Action
On a Macintosh computer, you cannot find the InterJet icon in the Chooser.	1 Close, then reopen the Chooser. Select the AppleShare icon in the list box at the upper left in the Chooser window, then select the zone in which the InterJet resides in the AppleTalk Zones list box. 2 Ensure that AppleTalk is active on the client computer. In the Chooser, under AppleTalk, click Active. Then restart the computer.
On a computer running Windows 95 or 98, you cannot access an InterJet folder in Network Neighborhood.	Ensure that your Windows or Microsoft Networking login name is the same as your InterJet login name. See the section "Ensure that you are using your InterJet login name as your Windows login name." on page 7-4.
When you attempt to access WhistleWare in Netscape Navigator for Windows or Mac OS, or Microsoft Internet Explorer for Windows, your Web browser displays the following message: Your Web browser must have Java enabled to run this version of WhistleWare.	Configure your browser to run Java and JavaScript, as follows: Navigator for Windows or Mac OS: 1 On the Edit menu, click Preferences. The Preferences dialog box appears. 2 Under Category, click Advanced. 3 Select the Enable Java and Enable JavaScript check boxes. 4 Click OK. Internet Explorer for Windows: 1 Do one of the following: ➤ Internet Explorer 4.x: On the View menu, click Internet Options. ➤ Internet Explorer 5.x: On the Tools menu, click Internet Options. 2 Click the Security tab. 3 Select the Local intranet zone. 4 For the security level, select either Medium—this is the recommended setting—or Low. 5 Click OK.

Problems with client computers

Problem or Symptom	Recommended Action
WhistleWare does not run properly in Microsoft Internet Explorer for Mac OS.	1 Install Mac OS Runtime for Java (MRJ) 2.1 or a later version on your Macintosh computer. For more information about installing MRJ, see the section "Macintosh System Requirements for Accessing WhistleWare" on page 1-10. 2 If MRJ is already installed, ensure that Internet Explorer is configured to use it, as follows: a On the Edit menu, click Preferences. The Internet Explorer Preferences dialog box appears. b Expand Web Browser. c Click Java. d Under Java Options, select the Enable Java check box. e In the Java Virtual Machine drop-down list, click Apple MRJ. f Click OK. g Quit, then restart Internet Explorer.

Problems with client computers

Problem or Symptom	Recommended Action
You can access the InterJet home page, but not other pages in WhistleWare—that is, when you click an object or menu command, a page does not appear.	Ensure that JavaScript is enabled for your Web browser, as follows: Navigator for Windows or Mac OS: 1 On the Edit menu, click Preferences. The Preferences dialog box appears. 2 Under Category, click Advanced. 3 Select the Enable JavaScript check box. 4 Click OK. Internet Explorer for Windows: 1 Do one of the following: ➤ Internet Explorer 4.x: On the View menu, click Internet Options. ➤ Internet Explorer 5.x: On the Tools menu, click Internet Options. The Internet Options dialog box appears. 2 Click the Security tab. 3 Select the Local intranet zone. 4 For the security level, select either Medium—this is the recommended setting—or Low. 5 Click OK. Internet Explorer for Mac OS: 1 On the Edit menu, click Preferences. The Internet Explorer Preferences dialog box appears. 2 Expand Web Browser. 3 Click Web Content. 4 Under Active Content, select the Enable scripting check box. 5 Click OK.



Product Specifications

InterJet II Product Specifications

Feature	Specification
Processor	x86 compatible; 233 MHz
RAM (random access memory)	32 MB PC-100 SDRAM
Hard drive	IDE; 10.2 GB
Power supply	Fail-safe power management system protects data during power failure
Ethernet ports	10BaseT and 100BaseT compatible
WAN (wide area network) protocol	PPP (Point-to-Point Protocol) for dial-up connections
File-sharing protocols	SMB (Server Message Block); AFP (AppleTalk Filing Protocol)
Embedded operating system	Based on FreeBSD UNIX
Mail server	SMTP mail transport agent, using Sendmail daemon; POP3 (Post Office Protocol 3) and IMAP (Internet Mail Access Protocol) servers; APOP (Authentication Post Office Protocol) and Microsoft Secure Password Authentication support for remote e-mail access
Web server	Apache HTTP (HyperText Transfer Protocol) server
FTP (File Transfer Protocol) server	Standard FTP support for internal and external servers
Proxy caching server	100 MB cache capacity

InterJet II Product Specifications (continued)

Feature	Specification
Firewall	Preconfigured with split DNS, packet filtering, Network Address Translation, and data partitioning; supports service redirection
DHCP (Dynamic Host Configuration Protocol) server	Fully integrated with operating system
DNS (Domain Name Service) server	Fully integrated with operating system
Encryption for PPTP (Point-to-Point Tunneling Protocol) connections	Supports 128-bit encryption in U.S.; 40-bit encryption outside U.S.

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 - setting on client computers 7-4
 - setting on InterJet 3-12

Y

- Year 2000 compliance information x



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