EPSON

EXCEED YOUR VISION

Network Guide

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Features Zoran Corporation Integrated Print System (IPS) for print language emulation.

Z⬦RAN®

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Safety Instructions

Warning, Caution, Important, and Note

⚠ **Warning**
must be followed carefully to avoid serious bodily injury.

⚠ **Caution**
must be followed carefully to avoid bodily injury.

❗ **Important**
must be observed to avoid damage to your equipment.

Note
contains important information and useful tips on the operation of your printer.

Chapter 1

Introduction

About Your Printer

Your printer has a built-in Ethernet interface and can connect anywhere on your network using 10Base-T, 100Base-TX, and 1000Base-T Ethernet. The built-in Ethernet interface, which is called the network interface in this manual, automatically selects the correct standard when it connects to a network. In addition, it supports and automatically selects the IEEE 802.2, IEEE 802.3, Ethernet II, and Ethernet SNAP network protocols.

Because the network interface supports multiple protocols and automatically detects protocols on your network, you can print from Microsoft® Windows® and Apple® Macintosh® applications.

Use the Software Disc to easily configure the network interface for use on the TCP/IP network and install the printer driver. You can use the printer on the TCP/IP network at once.

If you want to configure the network interface for protocols such as TCP/IP, AppleTalk®, IPP, and SNMP, use EpsonNet Config, the configuration utility provided with your product, to quickly and easily configure the network interface to use those protocols.

Note:
The EpsonNet Config utility configures the network interface to work only with protocols that exist on your network. This does not imply that you can use all of the above-mentioned protocols on your network or operating system. The protocols that the network interface can use may vary depending on the operating system and the network configuration.

About This Guide

This Network Guide contains information about using the network interface on a network. It includes how to set up the network interface, install the configuration software, and modify network settings of your printer and computers.

For information about your printer, see your User's Guide.

Note:
❏ *To read the online guide, you must have Adobe Reader or Adobe Acrobat Reader installed on your computer.*

❏ *This guide is written for network administrators, and many of the steps included here require detailed network knowledge and administrator rights.*

❏ *The term "network administrator" refers to the person responsible for maintaining the network. "Administrator" is synonymous with "Supervisor" in this guide.*

❏ *The term "network interface" refers to the built-in Ethernet interface of the printer in this guide.*

❏ *Some screen shots in this guide may list a printer name other than your printer. This difference does not alter the instructions.*

❏ *The supported operating systems are different depending on the printer. See your printer's User's Guide for the supported operating systems.*

Operating Environment

The network interface supports the following environments.

Laser printers

OS	Protocol	IPv4	IPv6
Windows 7 Windows Vista Windows Server 2008	TCP/IP (Standard TCP/IP port)	supported	supported
	TCP/IP (EpsonNet Print port)	supported	not supported
	IPP	supported	supported
Windows XP (Home, Professional) Windows Server 2003 Windows 2000 (Professional, Server)	TCP/IP (Standard TCP/IP port)	supported	not supported
	TCP/IP (EpsonNet Print port)	supported	not supported
	IPP	supported	not supported
Mac OS X 10.7 Mac OS X 10.6 Mac OS X 10.5	Epson TCP/IP	supported	supported
	Bonjour	supported	supported
Mac OS X 10.4	Epson AppleTalk	-	-
	Epson TCP/IP	supported	not supported
	Bonjour	supported	not supported

Note:
If you use the printer in a dial-up router environment, you must set an IP address for the printer. Make sure the IP address is suitable for the segment; incorrect IP address may generate unexpected dial-up.

Inkjet printers/Large format inkjet printers

OS	Protocol	IPv4	IPv6
Windows 7 Windows Vista Windows XP (Home, Professional)	TCP/IP (Standard TCP/IP port)	supported	not supported
	TCP/IP (EpsonNet Print port)	supported	not supported
	IPP*	supported	not supported
Mac OS X 10.7 Mac OS X 10.6 Mac OS X 10.5	Epson TCP/IP	supported	not supported
	Bonjour	supported	not supported
Mac OS X 10.4	Epson AppleTalk*	-	-
	Epson TCP/IP	supported	not supported
	Bonjour	supported	not supported

* IPP and AppleTalk are not supported on some models.

Features of the Network Interface

❑ Connects your Epson printer using a built-in Ethernet interface, which is called the network interface in this manual, to the network.

❑ Supports multiple protocols, such as TCP/IP, AppleTalk, and IPP.

❑ Supports 10Base-T, 100Base-TX, and 1000Base-T Ethernet.

❑ Supports DHCP.

❑ Supports Automatic Private IP Addressing (APIPA) that assigns an IP address automatically to the network interface even if there is no DHCP server on the network.

❑ Supports the Dynamic DNS function.

❑ Supports SNMP and MIB.

❑ Supports SNTP (Simple Network Time Protocol).

❏ Supports Bonjour on Mac OS X 10.4 or later.

Network Interface Operation

Status light

The indicator lights provide you with important information on the operations of the network interface.

Laser printers

Status light	Data light	Network Status
Off	Green	Ready (10 M link)
Off	Green (Flashing)	Receiving packets (10 M link)
Orange	Green	Ready (100 M link)
Orange	Green (Flashing)	Receiving packets (100 M link)
Green	Green	Ready (1000 M link)
Green	Green (Flashing)	Receiving packets (1000 M link)
Off	Off	Deep sleep mode/Power off mode

Inkjet printers/Large format inkjet printers (Models that do not support 1000 Mbps communication)

Status light	Data light	Network Status
Green	Yellow	Ready (10 M link)
Green	Yellow (Flashing)	Receiving packets (10 M link)
Red	Yellow	Ready (100 M link)
Red	Yellow (Flashing)	Receiving packets (100 M link)

Large format inkjet printers (Models that support 1000 Mbps communication)

Status light	Data light	Network Status
Red	Yellow	Ready (100 M link)
Red	Yellow (Flashing)	Receiving packets (100 M link)
Green	Yellow	Ready (1000 M link)
Green	Yellow (Flashing)	Receiving packets (1000 M link)

Network connector

RJ-45 connector: This connector is used to connect an Ethernet cable to a network. You can use this cable for 10Base-T, 100Base-TX, and 1000Base-T Ethernet.

> ❗ *Important:*
> *You must use the following shielded twisted-pair cable to connect the network interface to a network.*

❏ *Category-5 or higher for the 10Base-T or 100Base-TX connection*

❏ *Category-5e or higher for the 1000Base-T connection*

About the Software

The Software Disc provided with your printer includes the following network software.

Note:
The software provided varies depending on your printer model.

❏ EpsonNet Config for Windows is a Windows-based configuration utility for administrators that allows you to configure the network interface for various protocols such as TCP/IP, MS Network, AppleTalk, IPP, and SNMP. See "EpsonNet Config for Windows" on page 48.

❏ EpsonNet Config for Macintosh is a Macintosh-based configuration utility for administrators that allows you to configure the network interface for TCP/IP, AppleTalk, and IPP. See "EpsonNet Config for Macintosh" on page 50.

❏ EpsonNet Config with Web Browser is a Web-based configuration utility that allows you to configure the network interface for TCP/IP, MS Network, AppleTalk, IPP, and SNMP. See "EpsonNet Config with Web Browser" on page 51.

❏ EpsonNet Print is a utility program that provides peer to peer printing to Epson printers on the TCP/IP network. See "EpsonNet Print" on page 58.

Terms and Concepts

Configuration -- a prepared set of conditions for proper operation of a device. Configuring the network interface is to prepare it to work with protocols available on a network.

DHCP -- a dynamic host configuration protocol. It is a protocol that assigns dynamic IP addresses to devices on a network.

EtherTalk -- the communication protocol of AppleTalk governing Ethernet transmissions

ftp -- a TCP/IP application protocol for file transfer

lpd -- a TCP/IP remote printing protocol application

Print queue -- a location where a print job is stored as a file, until the network interface sends the job to the assigned printer

Protocol -- a rule that controls how data or information is exchanged through a network. Computers and software cannot communicate with each other using different protocols.

TCP/IP -- Transmission Control Protocol/Internet Protocol, a layer of protocols that provides communication between nodes on a network

SSL -- Secure Sockets Layer, a security protocol for transmitting data between a web server and a browser

Chapter 2

How To

Overview

This section describes the general procedure on how to set up the network interface for use on a network.

1. Check the network interface operation.

    Check the functions and operations of the network interface, such as status lights and RJ-45 connector. See "Network Interface Operation" on page 11 for details.

2. Select a printing method.

    Select a printing method appropriate for your network environment and operating system. If you are not sure, see "Printing from Windows" on page 15 or "Printing from Macintosh" on page 15 for details.

3. Install the necessary components on your computer.

    Make sure the necessary components (such as TCP/IP) are installed on the computer, and network settings (such as IP address, subnet mask, etc.) of the computer is set. See "About Installing Components on Your Computer" on page 17 for details.

4. Connect the network interface to the network.

    Connect the network interface to the network. See "Connecting the Network Interface to the Network" on page 23 for details.

5. Configure the network interface and install the printer driver.

    See "Configuring the Network Interface (For Windows Users)" on page 24 or "Configuring the Network Interface (For Macintosh Users)" on page 25 for details.

6. If necessary, configure the network settings of the network interface using EpsonNet Config.

    Configure the network interface for TCP/IP, AppleTalk, etc. using EpsonNet Config. For Windows users, see "About EpsonNet Config" on page 48. For Macintosh users, see "About EpsonNet Config" on page 50.

Selecting a Printing Method

Printing from Windows

Check if there is a Windows 7/Vista/XP/Server 2008/Server 2003/2000/NT print server on your network, and then use the suggestions below.

Note:
Only the recommended printing methods are introduced here. See "Features of the Printing Methods" on page 16 for information on additional methods.

If no Windows 7/Vista/XP/Server 2008/Server 2003/2000/NT print server exists

We recommend TCP/IP printing via LPR. See "Windows 7/Vista/Server 2008" on page 27, "Windows XP" on page 31, "Windows Server 2003" on page 36, or "Windows 2000" on page 41.

If a Windows 7/Vista/XP/Server 2008/Server 2003/2000/NT print server exists

On the server, set the printer to connect with LPR and turn it into a shared printer. Your clients can then print to this shared printer.

Printing from Macintosh

Mac OS X 10.5 or later

❏ Bonjour

❏ EPSON TCP/IP

Mac OS X 10.4

❏ Bonjour

❏ EPSON TCP/IP

❏ EPSON AppleTalk

Features of the Printing Methods

This section describes features of the printing methods available for you to choose.

LPR (TCP/IP) printing

Advantages

❏ No computer as a network interface is required.

❏ No special utility for Windows 7/Vista/XP/Server 2008/Server 2003/2000/NT is required.

❏ You can see the printer status using EPSON Status Monitor.

❏ For Windows 7/Vista/XP/Server 2008/Server 2003/2000/NT, you can create a print log using the event viewer.

❏ You can print via a router.

Disadvantages

❏ You need to set up TCP/IP.

Internet printing

Advantages

❏ No proxy server (computer) is required.

❏ You can print to the printer over the Internet.

Disadvantages

❏ EPSON Status Monitor cannot be used.

❏ TCP/IP and DNS settings are required.

❏ For Windows 7/Vista/XP/Server 2008/Server 2003/2000, you cannot share the Internet printer.

Installing Components on Your Computer

About Installing Components on Your Computer

Before configuring the network interface and printing from the computer, you need to install the necessary components (such as TCP/IP) and assign an IP address and subnet mask for your computer, depending on the printing method you want to use. See the section in this chapter appropriate for your operating system.

Note:
❏ *The Windows operating system CD-ROM may be required during the installation.*

❏ *When using TCP/IP or IPP for printing, you need to set the IP address, the subnet mask, and the default gateway of the computer.*

Windows 7/Vista/Server 2008

Use the following procedure to install the necessary components.

1. Click **Start**, click **Control Panel**, and then click **View network status and tasks** or double-click **Network and Sharing Center**.

2. Click **Local Area Connection** (Windows 7), or **View Status** (Windows Vista/Server 2008), and then click the **Properties** button.

   Note:
   *If the User Account Control screen appears, click the **Yes** or **Continue** button.*

3. Check if the following necessary components are in the list.
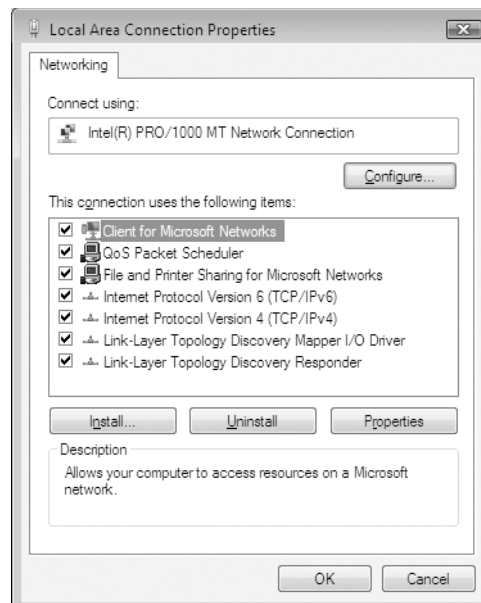
The following table lists the components required for configuring the network interface with EpsonNet Config.

EpsonNet Config's setting screens	Necessary components
TCP/IP, AppleTalk, IPP, SNMP (IP trap)	Internet Protocol (TCP/IP)

The following table lists the components required for network printing.

Printing method	Necessary components
LPR or Internet printing	Internet Protocol (TCP/IP)

4. Double-click **Internet Protocol Version 4 (TCP/IPv4)** or **Internet Protocol Version 6 (TCP/ IPv6)** on the Local Area Connection Properties dialog box to open the properties dialog box. Set the IP address, the subnet mask, etc. and then click **OK**.

5. Restart the computer.

The necessary components are now installed. Go to the section "Setting Up the Network Interface" on page 23.

Windows XP

For Windows XP, use the following procedure to install the necessary components.

1. Click **Start**, highlight **Control Panel**, and then click **Network and Internet Connections**. Select **Network Connections**.

2. Under **LAN or High-Speed Internet**, click the **Local Area Connection** icon.

3. Under **Network Tasks**, click **Change settings of this connection**.

4. Check if the following necessary components are in the list.

The following table lists the components required for configuring the network interface with EpsonNet Config.

EpsonNet Config's setting screens	Necessary components
TCP/IP, AppleTalk, IPP, SNMP (IP trap)	Internet Protocol (TCP/IP)

The following table lists the components required for network printing.

Printing method	Necessary components
LPR or Internet printing	Internet Protocol (TCP/IP)

5. Double-click **Internet Protocol (TCP/IP)** on the Local Area Connection Properties dialog box to open the Internet Protocols (TCP/IP) Properties dialog box. Set the IP address, the subnet mask, etc. and then click **OK**.

6. Restart the computer.

The necessary components are now installed. Go to the section "Setting Up the Network Interface" on page 23.


Windows Server 2003

For Windows Server 2003, use the following procedure to install the necessary components.

1. Click **Start**, point to **Control Panel**, and then select **Network Connections**. Click **Local Area Connections**.

2. Click the **Properties** button.

3. Check if the following necessary components are in the list.

The following table lists the components required for configuring the network interface with EpsonNet Config.

EpsonNet Config's setting screens	Necessary components
TCP/IP, AppleTalk, IPP, SNMP (IP trap)	Internet Protocol (TCP/IP)

The following table lists the components required for network printing.

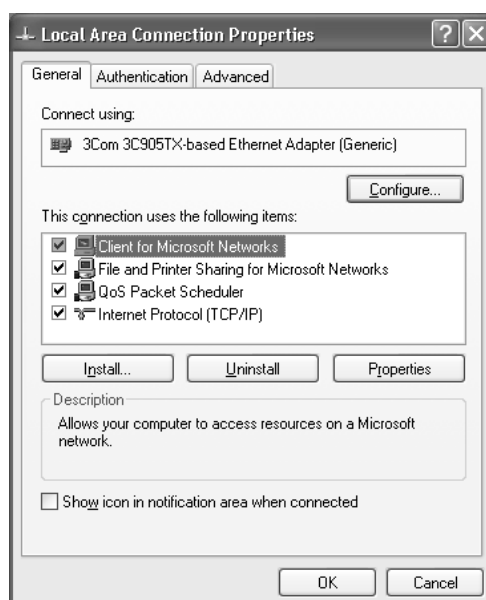| Printing method	Necessary components
LPR or Internet printing	Internet Protocol (TCP/IP)

4. Double-click **Internet Protocol (TCP/IP)** on the Local Area Connection Properties dialog box to open the Internet Protocols (TCP/IP) Properties dialog box. Set the IP address, the subnet mask, etc. and then click **OK**.

5. Restart the computer.

The necessary components are now installed. Go to the section "Setting Up the Network Interface" on page 23.

Windows 2000

For Windows 2000, use the following procedure to install the necessary components.

1. Click **Start**, point to **Settings**, and then select **Network and Dial-up Connections**. The Network and Dial-up Connections screen appears.

2. Right-click the desired network connection and then select **Properties**.

3. Check if the following necessary components are in the list.
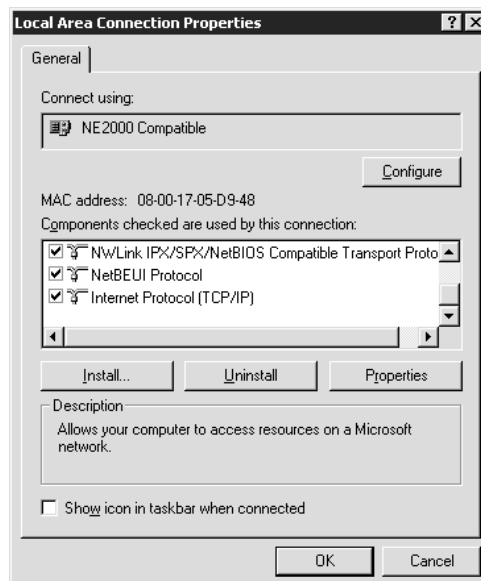
The following table lists the components required for configuring the network interface with EpsonNet Config.

EpsonNet Config's setting screens	Necessary components
TCP/IP, AppleTalk, IPP, SNMP (IP trap)	Internet Protocol (TCP/IP)

The following table lists the components required for network printing.

Printing method	Necessary components
LPR or Internet printing	Internet Protocol (TCP/IP)

4. If the necessary components are not in the list, click **Install** to install them, as described below.

    Select **Protocol** and then click **Add**. In the Select Network Protocol dialog box, select **Internet Protocol (TCP/IP)** and then click **OK**.

5. Double-click **Internet Protocol (TCP/IP)** on the Configuration menu to open the TCP/IP Properties dialog box. Set the IP address, the subnet mask, etc. and then click **OK**.

6. Restart the computer.

The necessary components are now installed. Go to the section "Setting Up the Network Interface" on page 23.

Macintosh

To assign an IP address, subnet mask, etc. to your Macintosh, follow the steps below.

Mac OS X

1. From the Apple menu, select **System Preferences**.

2. Open the **Network** control panel. Click the **TCP/IP** tab.

    Note:
    For Mac OS X 10.5 or later, select **Ethernet** *as the connecting method on the Network control panel, select the method to assign the IP address from the Configure menu, and then assign the IP address.*

3. Select **Built-in Ethernet** from the Show pull down menu.

4. Assign an IP address and other settings if necessary.

5. Click the **Apply Now** button to save any changes.

Go to the section "Setting Up the Network Interface" on page 23.

Setting Up the Network Interface

Connecting the Network Interface to the Network

Follow the instructions below to connect the network interface to the network.

1. Make sure that your printer is turned off.

2. Connect one end of the network cable to the RJ-45 connector on the network interface, and the other end to the network.

> **❗ Important:**
> ❏ *You must use the following shielded twisted-pair cable to connect the network interface to a network.*
>
>   -- Category-5 or higher for the 10Base-T or 100Base-TX connection
>
>   -- Category-5e or higher for the 1000Base-T connection
>
> ❏ *Do not connect the network interface and the computer directly. Be sure to use a HUB to connect the network interface to the network.*

> **Note:**
> *You can use 10Base-T, 100Base-TX, and 1000Base-T Ethernet. When you print a lot of data, we recommend you use a higher-speed with light network traffic.*

3. Turn on your printer. After the status lights go off, print a network status sheet.

> **❗ Important:**
> *After turning off the printer, wait until the status lights go off before turning it back on; otherwise the network interface may not work correctly.*

> **Note for Mac OS X 10.4 or later:**
> *Since the printer supports Bonjour and is on by default, you can use the printer on a network just by connecting it to the network. If you want to disable the Bonjour setting, use the printer's control panel. See "Setting an IP Address on the Printer's Control Panel" on page 79 or "Setting an IP Address on the Printer's Control Panel (Large Format Inkjet Printers)" on page 82 for details.*

Now, you can configure the network interface to use on the TCP/IP network and also install the printer driver using the Software Disc shipped with your printer.

If you are using Windows, see "Configuring the Network Interface (For Windows Users)" on page 24.

If you are using Macintosh, see "Configuring the Network Interface (For Macintosh Users)" on page 25.

Configuring the Network Interface (For Windows Users)

Configure the network interface for use on the TCP/IP network and install the printer driver on your computer.

1. Make sure your printer is connected to the network (a hub or router).

2.   Insert the Software Disc into the CD-ROM drive.

3.   The Epson Install Navi screen opens automatically.

     If the Epson Install Navi screen does not appear, double-click **EPSETUP.EXE** on the CD-ROM.

4.   Select the **I agree to the contents of the License Agreement** check box and then click the **Next** button.

5.   The Software Select screen appears. Make sure to select the **Epson Driver and Utilities** check box and **Epson Network Utilities** check box, then click the **Install** button.

     Note:
     *If your printer is connected to your computer with a USB cable, clear the **Epson Network Utilities** check box.*

6.   Software installation starts. Follow the on-screen instructions to complete the installation.

Configuring the Network Interface (For Macintosh Users)

Configure the network interface for use on the TCP/IP network and install the printer driver on your computer.

1.   Make sure your printer is connected to the network (a hub or router).

2.   Insert the Software Disc into the CD-ROM drive.

     EPSON folder opens automatically.

3.   Double-click the **Install Navi** icon in the EPSON folder.

     The Epson Install Navi screen opens.

4.   Enter your user name and password in the authentication screen.

5.   Select the **I agree to the contents of the License Agreement** check box and then click the **Next** button.

6.   The Software Select screen appears. Make sure to select the **Epson Network Utilities** check box, then click the **Install** button.

Note:
*If your printer is connected to your computer with a USB cable, clear the **Epson Network Utilities** check box.*

7. Software installation starts. Follow the on-screen instructions to complete the installation.

Setting Up the Printer

Mac OS X 10.5 or later

1. Open **System Preferences**.

2. Open **Print & Fax**.

3. Click the **+** button to add a new printer.

4. Select the desired printer model that is connected with Bonjour.

    Note:
    *If your printer is not displayed with the desired connection, click **More Printers**, select the desired connection from the drop down list, and then select the printer model.*

5. Click **Add**.

    Now you can use the printer on the TCP/IP network.

    Note:
    If your product supports the scanning function, see the product's User's Guide to make the settings.

Mac OS X 10.4

1. Open the **Applications** folder.

2. Open the **Utilities** folder.

3. Open **Printer Setup Utility** and then click **Add**.

4. Select the printer model that is connected with Bonjour.

    Note:
    *If your printer is not displayed with the desired connection, click **More Printers**, select the desired connection from the drop down list, and then select the printer model.*

5. Click **Add**.

Now you can use the printer on the TCP/IP network.

Note:
If your product supports the scanning function, see the product's User's Guide to make the settings.

Installing the Printer Driver

About Installing the Printer Driver

To print to the network printer, you need to install the printer driver on the computer. The following section explains how to instal the printer driver manually. See the section in this chapter appropriate for your operating system.

Windows 7/Vista/Server 2008

The printer driver installation procedure differs depending on the printing method you prefer.

LPR printing

Note:
If you are using EpsonNet Print, the setup procedure is different. See "About EpsonNet Print" on page 58 for details. Note that EpsonNet Print does not support IPv6 environment.

1. Click **Start**, **Control Panel**, and then **View devices and printers** (Windows 7) or **Printers** (Windows Vista/Server 2008).

2. Click **Add a printer** to start the Add Printer wizard.

3. Click **Add a local printer**.
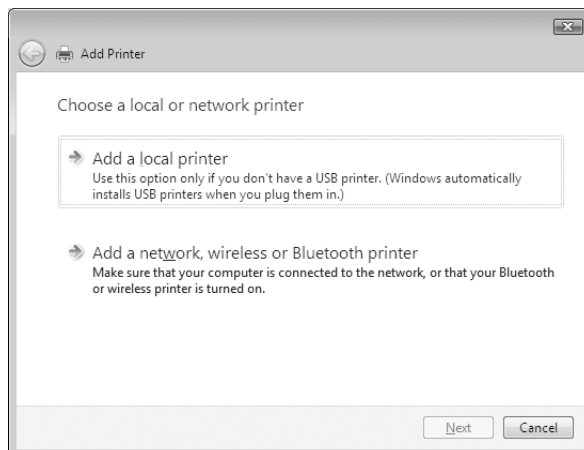
4. Select the **Create a new port** radio button, and then select **Standard TCP/IP Port** from the list. Then click **Next**.
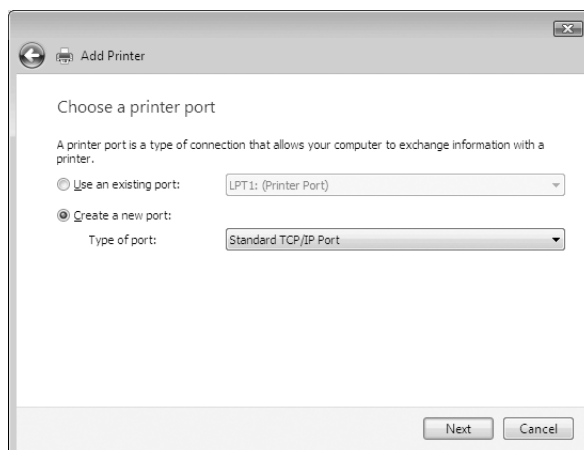
5. Enter the IP address of the network interface and then click **Next**.
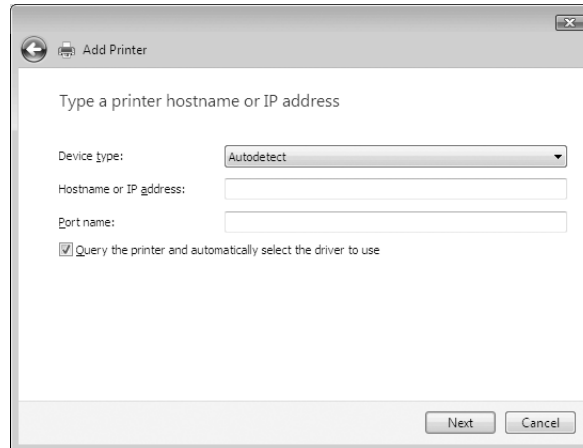
6. If an error occurs, the following dialog box appears. Select the **Standard** radio button and then select **EPSON Network Printer**. Click **Next**.
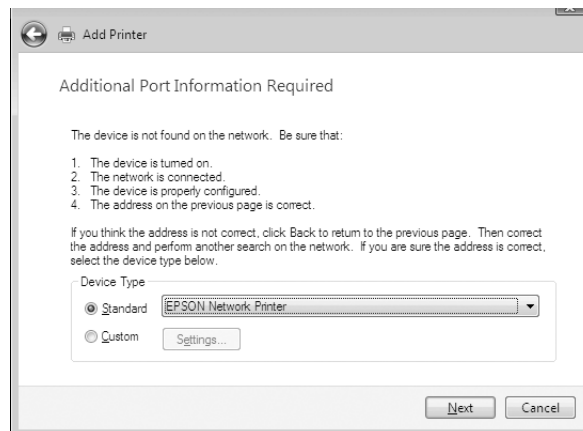
7. Click **Finish**.

8. See "Installing a printer driver" on page 30 to install the printer driver.

Internet printing

1. Click **Start**, **Control Panel**, and then **Printers**.

2. Click **Add a printer** to start the Add Printer wizard.

3. Click **Add a network, wireless or Bluetooth printer**.

4. Click **The printer that I want isn't listed**.

5. Select the **Add a printer using a TCP/IP address or hostname** radio button and then click **Next**.

6. Enter the URL of the target device to the **Hostname** or **IP address** box using the format below. The URL should be the same as the URL you set on EpsonNet Config's IPP configuration page.

   http://IP address of network interface:631/Printer name

   Example: http://192.168.100.201:631/EPSON_IPP_Printer

Note:
To check the IP address of the network interface, use EpsonNet Config. See "About EpsonNet Config" on page 48 for details.

7. Follow the on-screen instructions to set up the device. See "Installing a printer driver" on page 30 if necessary.

Installing a printer driver

1. Insert the Software Disc shipped with the device.

2. Close the Epson Install Navi screen if it appears.

3. On the Add Printer screen, click the **Have Disk** button. The Install From Disk dialog box appears.

4. Click **Browse**.

5. Select the CD-ROM drive for Drives, and double-click the **WINX64** folder or the **WINX86** folder depending on your operating system. Click **Open**.

6. Click **OK** in the Install From Disk dialog box.

7. Select the model name of the device, and then click **Next**.

   Note:
   *If the Add Printer wizard prompts you to select either **Keep existing driver** or **Replace existing driver**, be sure to select the **Replace existing driver** radio button.*

8. Click **Finish** and follow the on-screen instructions to complete the setup.

Encrypting print data (Secure IPP printing)

Internet printing (IPP) enables you to encrypt data to print.

Required settings

Configure the following settings using EpsonNet Config with Web Browser.
See "EpsonNet Config with Web Browser" on page 51 for details.

❏ Importing server certificate

❏ Selecting server certificate

❏ Setting encryption strength

❏ Setting printer port

Configuring the printer port

1. Select Connect to a printer on the Internet or on a home or office network: in the Internet printing (IPP) wizard.

2. Enter the URL using the format below.

   https://IP address of network interface:443/EPSON_IPP_Printer

Windows XP

The printer driver installation procedure differs depending on the printing method you prefer.

LPR printing

Note:
If you are using EpsonNet Print, the setup procedure is different. See "About EpsonNet Print" on page 58 for details.

1. Click **Start**, click **Control Panel**, click **Printers and Other Hardware**, and then click **Printers and Faxes**.

2. Under **Printer Tasks**, click **Add a printer** to start the Add Printer wizard, and then click **Next**.

3. Click **Local printer attached to this computer**, clear the **Automatically detect and install my Plug and Play printer** check box, and then click **Next**.

Note:
*You must clear the **Automatically detect and install my Plug and Play printer** check box because the printer is attached directly to the network, not to a Windows XP computer.*
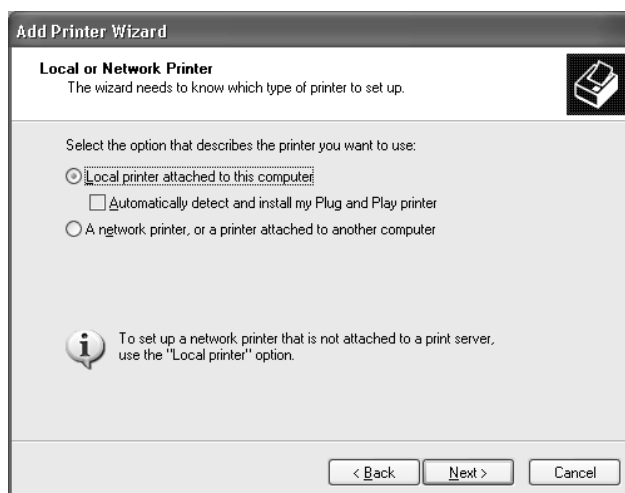
4. Select the **Create a new port** radio button, and then select **Standard TCP/IP Port** from the list. Then click **Next**.
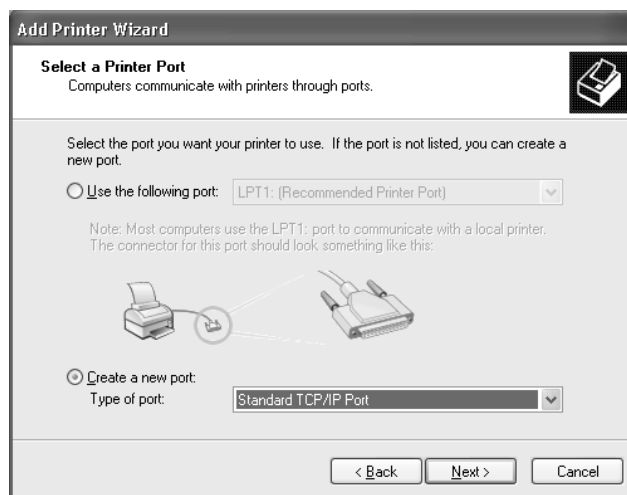
5. Enter the IP address of the network interface and then click **Next**.
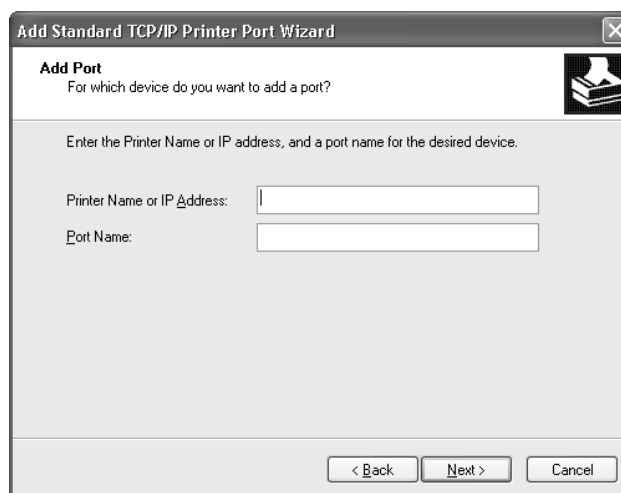
6. If an error occurs, the following dialog box appears. Select the **Standard** radio button and then select **EPSON Network Printer**. Click **Next**.
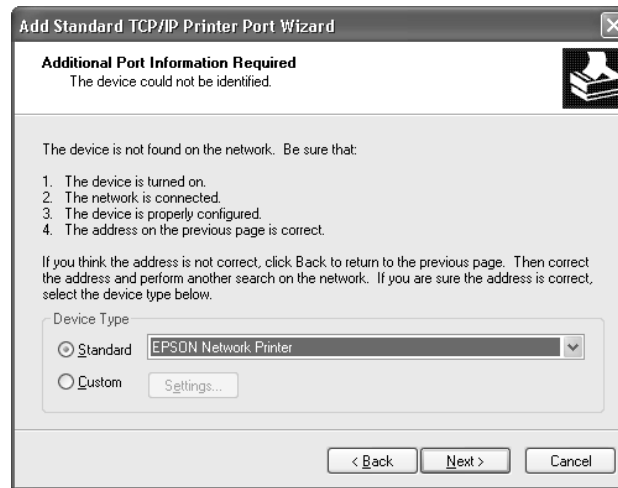
7. Click **Finish**.

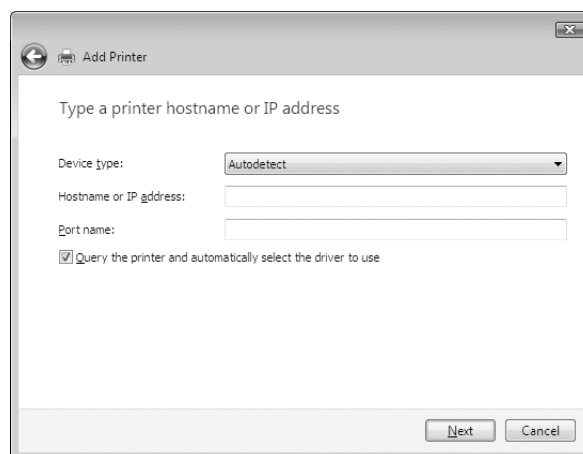8. See "Installing a printer driver" on page 35 to install the printer driver.

Internet printing

1. Click **Start**, click **Control Panel**, click **Printers and Other Hardware**, and then click **Printers and Faxes**.

2. Under **Printer Tasks**, click **Add a printer** to start the Add Printer wizard, and then click **Next**.

3. Click **A network printer, or a printer attached to another computer**, and then click **Next**.

4. Select the **Connect to a printer on the Internet or on a home or office network** radio button.

5. Enter the URL of the target printer using the format below. The URL should be the same as the URL you set on EpsonNet Config's IPP configuration page.

    http://IP address of printer:631/Printer name

Example: http://192.168.100.201:631/EPSON_IPP_Printer

Note:
To check the IP address of the network interface, use EpsonNet Config. See "About EpsonNet Config" on page 48 for details.

6. Follow the on-screen instructions to set up the printer. See "Installing a printer driver" on page 35 if necessary.

Installing a printer driver

1. Insert the Software Disc shipped with the printer.

2. Close the Epson Install Navi screen if it appears.

3. On the Add Printer screen, click the **Have Disk** button. The Install From Disk dialog box appears.

4. Click **Browse**.

5. Select the CD-ROM drive for Drives, and double-click the **WINX64** or **WINX86** folder. Click **Open**.

6. Click **OK** in the Install From Disk dialog box.

7. Select the model name of the printer, and then click **Next**.

Note:
*If the Add Printer wizard prompts you to select either **Keep existing driver** or **Replace existing driver**, be sure to select the **Replace existing driver** radio button.*

8. Click **Finish** and follow the on-screen instructions to complete the setup.

Encrypting print data (Secure IPP printing)

Internet printing (IPP) enables you to encrypt data to print.

Required settings

Configure the following settings using EpsonNet Config with Web Browser.
See "EpsonNet Config with Web Browser" on page 51 for details.

❏ Importing server certificate

❏ Selecting server certificate

❏ Setting encryption strength

❏ Setting printer port

Configuring the printer port

1. Select Connect to a printer on the Internet or on a home or office network: in the Internet printing (IPP) wizard.

2. Enter the URL using the format below.

   https://IP address of network interface:443/EPSON_IPP_Printer

Windows Server 2003

The printer driver installation procedure differs depending on the printing method you prefer.

LPR printing

Note:
If you are using EpsonNet Print, the setup procedure is different. See "About EpsonNet Print" on page 58 for details.

1. Click **Start**, and then select **Printers and Faxes**.

2. Double-click the **Add Printer** icon to start the Add Printer wizard, and then click **Next**.

3. Click **Local printer attached to this computer**, clear the **Automatically detect and install my Plug and Play printer** check box, and then click **Next**.

    Note:
    *You must clear the **Automatically detect and install my Plug and Play printer** check box because the printer is attached directly to the network, not to a computer.*
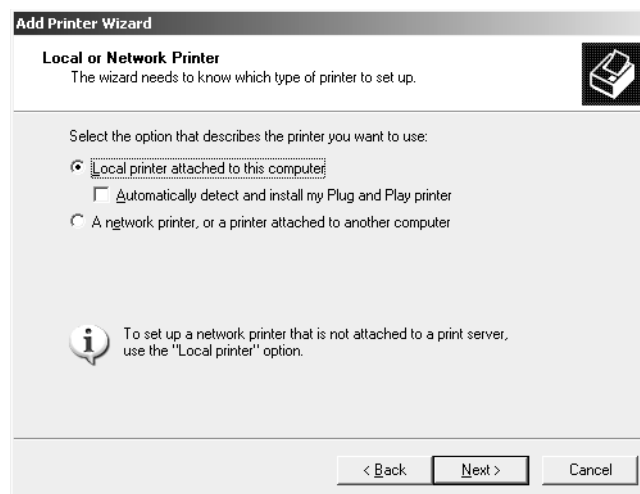

4. Select the **Create a new port** radio button, and then select **Standard TCP/IP Port** from the list. Click **Next**.

5. When Add Standard TCP/IP Printer Port Wizard dialog box appears, click **Next**.

6. Enter the IP address of the network interface and then click **Next**.

7. If an error occurs, the following dialog box appears. Select the **Standard** radio button and then select **EPSON Network Printer**. Click **Next**.
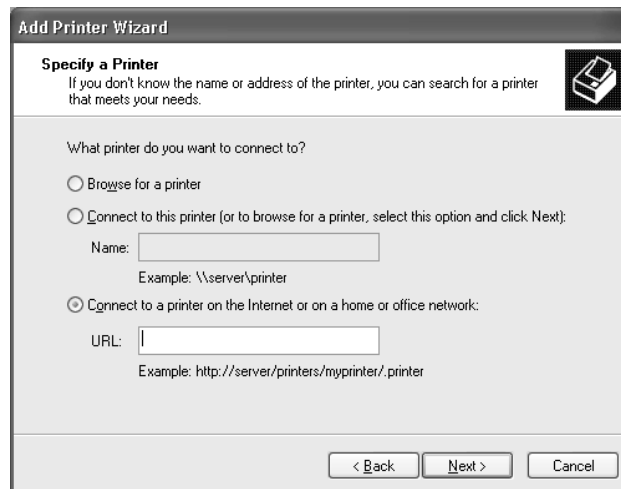

8. Click **Finish**.

9. See "Installing a printer driver" on page 39 to install the printer driver.

Internet printing

1. Click **Start**, and then select **Printers and Faxes**.

2. Double-click the **Add Printer** icon to start the Add Printer wizard, and then click **Next**.

3. Select **A network printer, or a printer attached to another computer**, and then click **Next**.

4. Select the **Connect to a printer on the Internet or on a home or office network** radio button.

5. Enter the URL of the target printer using the format below. The URL must be the same URL you set on EpsonNet Config's IPP configuration page.

    http://IP address of printer:631/Printer name

    Example: http://192.168.100.201:631/EPSON_IPP_Printer

Note:
To check the IP address of the network interface, use EpsonNet Config. See "About EpsonNet Config" on page 48 for details.

6. Follow the on-screen instructions to set up the printer. See "Installing a printer driver" on page 39 if necessary.

Installing a printer driver

1. Insert the Software Disc shipped with the printer.

2. Close the Epson Install Navi screen if it appears.

3. On the Add Printer screen, click the **Have Disk** button. The Install From Disk dialog box appears.

4. Click **Browse**.

5. Select the CD-ROM drive for Drives, and double-click the **WINX64** or **WINX86** folder. Click **Open**.

6. Click **OK** in the Install From Disk dialog box.

7. Select the model name of the printer, and then click **Next**.

   Note:
   If the Add Printer wizard prompts you to select either **Keep existing driver** *or* **Replace existing driver**, *be sure to select the* **Replace existing driver** *radio button.*

8. Click **Finish** and then follow the on-screen instructions to complete the setup.

Encrypting print data (Secure IPP printing)

Internet printing (IPP) enables you to encrypt data to print.

Required settings

Configure the following settings using EpsonNet Config with Web Browser.
See "EpsonNet Config with Web Browser" on page 51 for details.

❏ Importing server certificate

❏ Selecting server certificate

❏ Setting encryption strength

❏ Setting printer port

Configuring the printer port

1. Select Connect to a printer on the Internet or on a home or office network: in the Internet printing (IPP) wizard.

2. Enter the URL using the format below.

   https://IP address of network interface:443/EPSON_IPP_Printer

Windows 2000

The printer driver installation procedure differs depending on the printing method you prefer.

LPR printing

Note:
If you are using EpsonNet Print, the setup procedure is different. See "About EpsonNet Print" on page 58 for details.
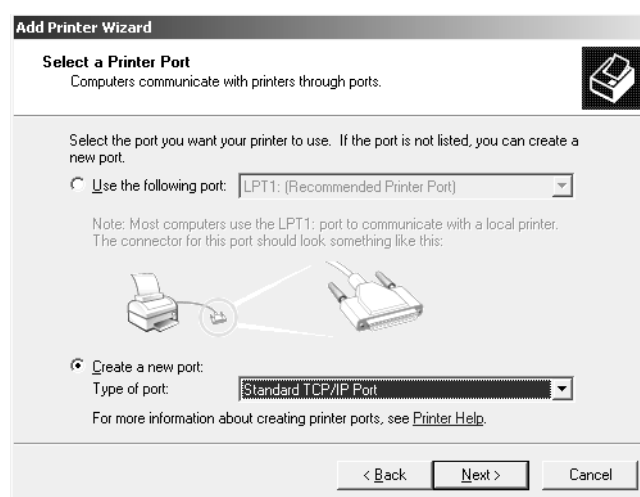
1. Click **Start**, point to **Settings**, and then select **Printers**.

2. Double-click **Add Printer** to start the Add Printer wizard, and then click **Next**.

3. Click **Local printer**, clear the **Automatically detect and install my Plug and Play printer** check box, and then click **Next**.

    Note:
    *You must clear the **Automatically detect and install my Plug and Play printer** check box because the printer is attached directly to the network, not to a Windows 2000 computer.*
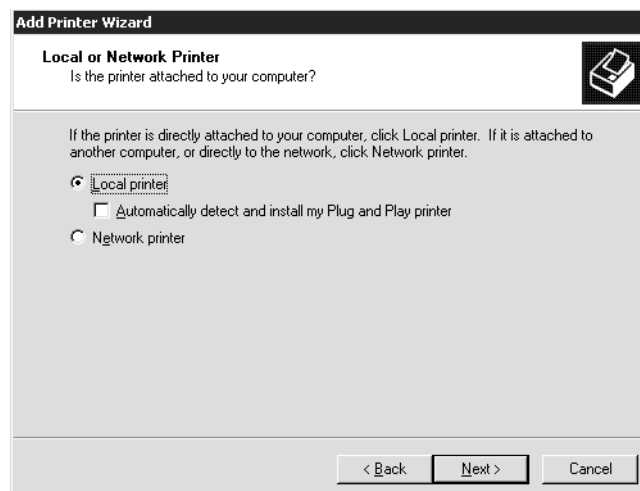
4. Select the **Create a new port** radio button, and then select **Standard TCP/IP Port** from the list.
   Then click **Next**.
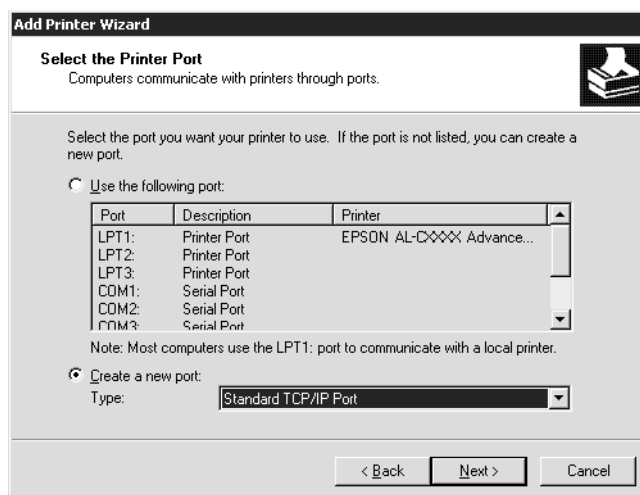
5. Enter the IP address of the network interface and then click **Next**.
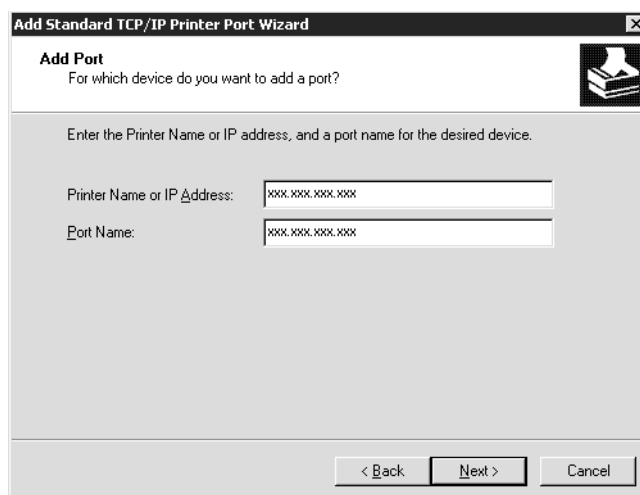
6. If an error occurs, the following dialog box appears. Select the **Standard** radio button and then select **EPSON Network Printer**. Click **Next**.
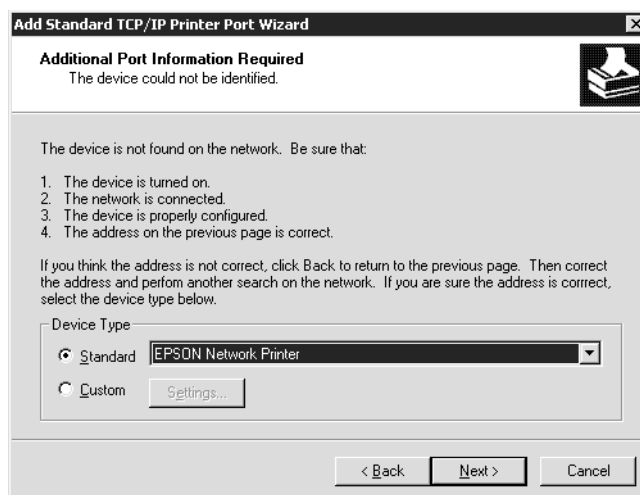
7. Click **Finish**.

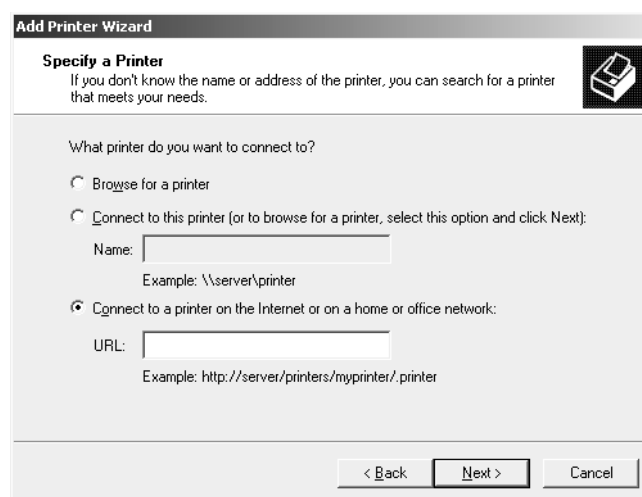8. See "Installing a printer driver" on page 44 to install the printer driver.

Internet printing

1. Click **Start**, point to **Settings**, and then select **Printers**.

2. Double-click **Add Printer** to start the Add Printer wizard, and then click **Next**.

3. Select the **Network printer** radio button and then click **Next**.

4. Select the **Connect to a printer on the Internet or on your intranet** radio button.

5. Enter the URL of the target printer using the format below. The URL should be the same as the URL you set on EpsonNet Config's IPP configuration page.

    http://IP address of printer:631/Printer name

    Example: http://192.168.100.201:631/EPSON_IPP_Printer

    Note:
    To check the IP address of the network interface, use EpsonNet Config. See "About EpsonNet Config" on page 48 for details.

6. Follow the on-screen instructions to set up the printer. See "Installing a printer driver" on page 44 if necessary.

Installing a printer driver

1. Insert the Software Disc shipped with the printer.

2. Close the Epson Install Navi screen if it appears.

3. On the Add Printer screen, click the **Have Disk** button. The Install From Disk dialog box appears.

4. Click **Browse**.

5. Select the CD-ROM drive for Drives, and double-click the **WINX64** or **WINX86** folder. Click **Open**.

6. Click **OK** in the Install From Disk dialog box.

7. Select the model name of the printer, and then click **Next**.

    Note:
    *If the Add Printer wizard prompts you to select either **Keep existing driver** or **Replace existing driver**, be sure to select the **Replace existing driver** radio button.*

8. Click **Finish** and follow the on-screen instructions to complete the setup.

Encrypting print data (Secure IPP printing)

Internet printing (IPP) enables you to encrypt data to print.

Required settings

Configure the following settings using EpsonNet Config with Web Browser.
See "EpsonNet Config with Web Browser" on page 51 for details.

❏ Importing server certificate

❏ Selecting server certificate

❏ Setting encryption strength

❏ Setting printer port

Configuring the printer port

1. Select Connect to a printer on the Internet or on a home or office network: in the Internet printing (IPP) wizard.

2. Enter the URL using the format below.

    https://IP address of network interface:443/EPSON_IPP_Printer

Macintosh

Follow the steps below to set a printer.

Note:
Make sure that the printer driver is installed on your Macintosh before following the steps below. See the manual shipped with your printer for instruction on how to install the printer driver.

Mac OS X 10.5 or later

Bonjour printing

1. Open **System Preferences**.

2. Open **Print & Fax**.

3. Click the **+** button to add a new printer.

4. Select the desired printer model that is connected with Bonjour.

5. Click **Add**.

TCP/IP printing

1. Open **System Preferences**.

2. Open **Print & Fax**.

3. Click the **+** button to add a new printer.

4. Select the desired printer model.

5.   If the desired printer model does not appear in the list, click **More Printers**, select **EPSON TCP/IP** from the drop down list, and then select the printer model.

6.   Click **Add**.

Mac OS X 10.4

Bonjour printing

1.   Open the **Applications** folder.

2.   Open the **Utilities** folder.

3.   Open **Printer Setup Utility** and then click **Add**.

4.   Select the printer model that is connected with Bonjour.

5.   Click **Add**.

TCP/IP printing

1.   Open the **Applications** folder.

2.   Open the **Utilities** folder.

3.   Open **Printer Setup Utility** and then click **Add**.

4.   Click **More Printers**, select **EPSON TCP/IP** from the drop down list, and then select the printer model.

5.   Click **Add**.

AppleTalk printing

1.   Open the **Applications** folder.

2.   Open the **Utilities** folder.

3.   Open **Printer Setup Utility** and then click **Add**.

4.   Click **More Printers**, select **EPSON Apple Talk** from the drop down list, select the zone from the drop down list, and then select the printer model.

5.   Click **Add**.

Chapter 3

Network Software

This chapter explains how to use the network software provided with your printer.

Note:
The software provided varies depending on your printer model.

EpsonNet Config for Windows

About EpsonNet Config

EpsonNet Config is a Windows-based configuration software for administrators to configure the network interface for TCP/IP.

Note:
Be sure to use EpsonNet Config included on the Software Disc shipped with this product.

Note for Windows 98/Me/NT 4.0 users:
EpsonNet Config on the Software Disc shipped with this product does not support Windows 98, Me, and NT 4.0. To configure the network interface, use the previous version of the software (EpsonNet Config Ver.2). You can download EpsonNet Config Ver.2 from the Epson Web site.
http://support.epson.net/netconfig_down.html

System Requirements

The following table lists the system requirements of EpsonNet Config.

Operating systems	Windows 7
	Windows Vista
	Windows XP Professional/Home Edition
	Windows Server 2008/Windows Server 2008 R2
	Windows Server 2003/Windows Server 2003 R2
	Windows 2000 Server/Professional
Memory	150 MB or more

Hard disk drive space	50 MB

Installing EpsonNet Config

Follow the steps below to install EpsonNet Config on your computer to configure the network interface.

Note:
❏ *Log on to the operating system with an administrator account to install EpsonNet Config.*

❏ *If you add or delete protocols or services from your operating system after installing EpsonNet Config, EpsonNet Config may not work correctly. If this happens, uninstall EpsonNet Config and then install it again.*

1. Make sure all the applications are closed, then insert the Software Disc in the CD-ROM drive.

2. The Software Installation screen opens automatically.

   If the Software Installation screen does not appear, double-click **EPSETUP.EXE** on the CD-ROM.

3. Click **User Installation** if it appears.

4. Click the **Install Network Utility** button.

5. Click the icon located next to EpsonNet Config Ver.3.

6. Follow the on-screen instructions to complete the installation.

   Note:
   *If the Windows Security Alert window appears after you start EpsonNet Config, click the **Allow access** or **Unblock** button; otherwise the devices are not listed on the screen of EpsonNet Config.*

Accessing the EpsonNet Config User's Guide

The EpsonNet Config User's Guide contains detailed information on EpsonNet Config. Follow the steps below to access the EpsonNet Config User's Guide.

1. Click **Start**, point to **Programs** (for Windows 2000 users) or **All Programs** (for Windows 7, Vista, XP, Server 2008, and Server 2003 users), select **EpsonNet**, and then select **EpsonNet Config V3**.

2. Click **EpsonNet Config User's Guide**.

The EpsonNet Config User's Guide appears. By clicking the links on the front page or contents page, you can get information on using EpsonNet Config.

EpsonNet Config for Macintosh

About EpsonNet Config

EpsonNet Config for Macintosh is a Macintosh-based configuration software for administrators that allows you to configure the network interface for TCP/IP.

Note:
Be sure to use EpsonNet Config included on the Software Disc shipped with this product.

Note for Mac OS 9 users:
EpsonNet Config on the Software Disc shipped with this product does not support Mac OS 9. To configure the network interface, use the previous version of the software (EpsonNet Config Ver.2). You can download EpsonNet Config Ver.2 from the Epson Web site.
http://support.epson.net/netconfig_down.html

System Requirements

The following table lists the system requirements of EpsonNet Config.

Operating systems	Mac OS 10.3.9 or higher Java 1.4 or later is installed
Models	PowerPC Macintosh/Intel Macintosh
Memory	150 MB or more
Hard disk drive space	50 MB

Installing EpsonNet Config

Follow the steps below to install EpsonNet Config to configure the network interface.

1. Make sure all the applications are closed, then insert the Software Disc in the CD-ROM drive.

   EPSON folder opens automatically.

2. Select the Mac OS X icon in the **EPSON** folder, and then double-click it.

3. Click the **Install Network Utility** button.

4. Click the icon located next to EpsonNet Config Ver.3.

5. Follow the on-screen instructions to complete the installation.

Accessing the EpsonNet Config User's Guide

The EpsonNet Config User's Guide contains detailed information on EpsonNet Config. Follow the steps below to access the EpsonNet Config User's Guide.

1. Double-click the **Macintosh HD** icon.

2. In the **Applications** folder, double-click the **EpsonNet** folder, and then double-click the **EpsonNet Config V3** folder. Finally, double-click the **EpsonNet Config** icon.

   EpsonNet Config starts.

3. From the Help menu, select **EpsonNet Config Help**.

   The EpsonNet Config User's Guide appears. By clicking the links on the front page or contents page, you can get information on using EpsonNet Config.

EpsonNet Config with Web Browser

About EpsonNet Config

EpsonNet Config with Web Browser is a Web-based utility designed to configure the printer for use on a network.

By typing the IP address of the network interface for the URL in your browser, you can start EpsonNet Config to allow you to configure the network interface for TCP/IP, NetWare, MS Network, AppleTalk, IPP, and SNMP.

Supported Web browser

❏ Microsoft Internet Explorer version 6.0 or later

❏ Apple Safari version 5.0 or later

❏ Mozilla Firefox version 3.6 or later

❏ Opera version 10.63 or later

❏ Google Chrome version 8.0 or later

About Web browser setting

When running EpsonNet Config with Web Browser, be sure not to use a proxy server to access the Internet. If the **Access the Internet using a proxy server** check box is selected, you cannot use EpsonNet Config with Web Browser. Use the following steps to clear the Access the Internet using a proxy server check box.

1. Right-click the **Internet Explorer** icon on the desktop, and then select **Properties**.

2. Click the **Connection** tab.

3. Clear the **Access the Internet using a proxy server** check box.

Configuring the Network Interface Using Web-Based EpsonNet Config

After you have assigned an IP address to the network interface using EpsonNet EasyInstall, EpsonNet Config for Windows or Macintosh, or the arp/ping command, you can configure the network interface using Web-based EpsonNet Config.

Note:
❏ *A Web browser must be installed on your computer.*

❏ *TCP/IP must be correctly set for the computer and the network interface.*

❏ *Do not run both EpsonNet Config for Windows or Macintosh and Web-based EpsonNet Config at the same time.*

❏ *Your browser may restrict some characters you can use. For details, see your browser or operating system documentation.*

Follow the steps below to change the IP address using EpsonNet Config.

1. Turn on your printer.

2. Run EpsonNet Config using one of the following ways.

   ❏ Run EpsonNet Config for Windows or Macintosh. Select the printer you want to configure from the list and then click **Launch Browser**.

   ❏ Open your browser, and then type in the IP address of the network interface directly. Do not run EpsonNet Config for Windows or Macintosh.

   http://IP address of network interface/

   Example: **http://192.168.100.201/**

   Note:
   To check the IP address of the network interface, use EpsonNet Config. See "About EpsonNet Config" on page 48 for Windows users, or see "About EpsonNet Config" on page 50 for Macintosh users for details.

3. Click **TCP/IP** under Network on the Configuration menu to display the TCP/IP setting screen.

   Note:
   If you want to configure a protocol other than TCP/IP, configure the desired settings on Configuration - Network screen.

4. Select a method for acquiring the IP address. When you select **Auto**, DHCP becomes available and assigns an IP address automatically. If you want to set the IP address manually, select **Manual**.

   Note:
   ❏ *The network administrator must check any changes made to the IP address settings.*

   ❏ *When **Auto** is selected, DHCP becomes available. To use the DHCP server, make sure it is installed on your computer and correctly configured. See your operating system's online help for detailed instructions.*

   ❏ *If **Set Using Automatic Private IP Addressing (APIPA)** is enabled, a private IP address is automatically assigned to the network interface even when there are no DHCP servers on your system or your network.*

❏ *If the Dynamic DNS function is not supported, we recommend that you select **Manual** and then enter an IP address. This is because if you select **Auto**, the IP address of the network interface changes every time you turn on the printer so that you need to change the printer port setting accordingly.*

5. To assign an IP address manually, enter the IP address, the subnet mask, and the default gateway. Be sure the IP address does not conflict with any other devices on the network.

    Note:
    If there is a server or a router functioning as a gateway, enter the IP address of the server or the router for the gateway address. If there is no gateway, leave the default values there.

6. If you want to get a private address between 169.254.1.1 and 169.254.254.254 automatically when an IP address cannot be obtained by the DHCP server, leave it at **Enable** for **Set Using Automatic Private IP Addressing (APIPA)**; otherwise, select **Disable**.

7. When setting an IP address using the ping command, select **Enable** for **Set Using PING**. Select **Disable** when setting an IP address with EpsonNet Config; this prevents any unexpected change of the IP address.

8. Select **Enable** for **Acquire DNS Server Address Automatically** if you want to acquire the DNS server address using the DHCP server.

    If you want to enter the DNS server address manually, select **Disable** and then enter the IP address of the DNS server.

9. Select **Enable** for **Acquire Host Name and Domain Name Automatically** if you want to acquire the host name and the domain name using the DHCP server.

    If you want to specify manually, enter the host name and the domain name in the text boxes.

10. Select **Enable** for **Register Network Interface Address to DNS Server** if you want to register the host name and domain name to the DNS server through the DHCP server that supports Dynamic DNS.

    If you want to register the host name and the domain name directly to the DNS server, select **Enable** for **Register Network Interface Address Directly to DNS Server**.

11. Select **Enable** or **Disable** for **Use Universal Plug and Play**. Select **Enable** if you want to use the Universal Plug and Play function on Windows Me or future operating systems.

12. Change the default Universal Plug and Play device name, if desired. This device name is used for Windows that supports the Universal Plug and Play function.

13. Mac OS X only:
Select **Enable** or **Disable** for **Use Bonjour**. If you select **Enable**, enter the Bonjour Name and the Bonjour Printer Name. If your network environment supports DHCP, you can use the printer on the network just by enabling this setting.

14. Click **Submit** and then enter the password to update the settings.

    Note:
    If you have set the Administrator Name on the Administrator screen, enter the administrator name for the user name.

15. If the message "Configuration change is complete!" appears on your screen, the update is complete. Do not exit the Web browser and do not send a job to the printer until this message appears. Follow the on-screen instructions to reset the printer.

    Note:
    ❏ *Since the new IP address becomes available after the printer is reset, you need to restart EpsonNet Config by entering the new IP address.*

    ❏ *Only changes on the page where you press the **Submit** button take effect.*

Opening Screen

Any user can access the following screen by typing the IP address of the network interface for the URL in your browser.

Note:
❏ *The item appears only if your printer supports the function, and the name of the item may vary depending on the model.*

❏ *See the EpsonNet Config with Web Browser help for details about each item.*

Index

Home	Links to the opening screen.
Favorite	Links to a Web site previously defined by the administrator.
Help	Links to Help.

About	Links to the copyright and version information for EpsonNet Config.
EPSON Logo	Links to the Epson Web site (http://www.epson.com).

Menu

Information - Printer	
Device	Displays the printer device information.
Consumables	Displays the consumables information.
Confirmation	Confirms and executes the Information Sheet, Reserve Job, and Form Overlay.
Input	Displays the paper type information.
Print	Displays the print information.
Emulation	Displays the information for each type of emulation.
Interface	Displays the printer interface information.
Energy Saver	Displays the information for power saving settings.
Information - Network	
General	Displays the network interface information.
NetWare	Displays information about NetWare.
TCP/IP	Displays information about TCP/IP.
AppleTalk	Displays information about AppleTalk.
MS Network	Displays information about Microsoft Network.
IPP	Displays information about IPP.
SNMP	Displays information about SNMP.
Access Control	Displays information about Access Control.
Timeout	Displays information about Timeout.
Time	Displays information about Time.
EDM	Displays the EDM Agent information.
Configuration - Printer[*]	
Input	Change the input settings.

Print	Change the print settings.
Emulation	Change the emulation settings.
Interface	Change the printer interface settings.
Energy Saver	Changes the power saving settings.
Configuration - Network	
NetWare	Configure the applicable settings for NetWare.
TCP/IP	Configure the desired settings/method for TCP/IP.
AppleTalk	Configure the desired settings for AppleTalk.
MS Network	Configure the desired settings for Microsoft Network.
IPP	Configure the desired settings for IPP.
SNMP	Configure the desired settings for SNMP.
Access Control	Configure the desired settings for Access Control.
Timeout	Configure the desired settings for Timeout.
Time	Configure the desired settings for Time.
Configuration - Security Screens*	
Port Control	Select either Enable or Disable for each of the LPR, RAW, FTP, and IPP ports.
SSL/TLS Communication Settings	Configure the desired settings for SSL/TLS communication.
CA Certificate	Import or delete CA certificates.
Server Certificate	Manage server certificates.
Configuration - Optional	
Administrator	Type the name of the administrator and a link to a favorite Web site.
Reset	Resets the printer and returns to the default settings.
Password	Set the password to protect settings.

* Large format inkjet printers do not support this function.

EpsonNet Print

About EpsonNet Print

EpsonNet Print is a utility program that provides peer to peer printing to Epson printers on the TCP/IP network.

By using EpsonNet Print, you can find a printer located in the same segment or beyond a router. You can select LPR standard printing, LPR enhanced printing, or High-speed printing.

Note:
EpsonNet Print does not support IPv6 environment.

System Requirements

The following table lists the system requirements of EpsonNet Print.

Operating systems	Windows 7
	Windows Vista (with Service Pack 2 or higher)
	Windows XP Home Edition/Professional (with Service Pack 3 or higher)
	Windows Me, 98, 98 Second Edition
	Windows 95 OSR2 (with Internet Explorer version 5.0 or higher)
	Windows Server 2008 (with Service Pack 2 or higher)
	Windows Server 2008 R2
	Windows Server 2003 (with Service Pack 2 or higher)
	Windows 2000 (with Service Pack 4 or higher)
	Windows NT 4.0 (with Service Pack 6 or higher)
CPU	Pentium II 400 MHz or better recommended
Memory	64 MB or more
Hard disk space	20 MB or more
Display	800 × 600 screen resolution, 256 color or more

Installing EpsonNet Print

Follow the steps below to install EpsonNet Print. Be sure to install it on a computer connected to the network.

1. Make sure all the applications are closed, then insert the Software Disc into the CD-ROM drive.

2. The Epson Install Navi screen opens automatically.

    If the Epson Install Navi screen does not appear, double-click **EPSETUP.EXE** on the CD-ROM.

3. Click the **Software List** icon.

4. Select **EpsonNet Print** and then click the **Next** button.

5. Follow the on-screen instructions to complete the installation.

Your computer is now set up to print using LPR via EpsonNet Print. See the next section to set up your printer.

For Windows 7/Vista/XP/Server 2008/Server 2003/2000/NT 4.0 Users

Follow the steps below to add a port using the Add Printer Wizard.

❏ If you want to add a port for a printer with its IP address assigned automatically by the DHCP server or router, see "Adding a port for a printer assigned with a dynamic IP address" on page 59.

❏ If you want to add a port for a printer with its IP address assigned manually, see "Adding a port for a printer assigned with a static IP address" on page 63.

Note:
❏ *Be sure that the computer is connected to the network and TCP/IP is correctly set.*

❏ *A valid IP address must be assigned to the printer.*

Adding a port for a printer assigned with a dynamic IP address

1. **For Windows 7/Vista/Server 2008:** Click **Start**, **Control Panel**, and then **View devices and printers** (Windows 7), or **Printers** (Windows Vista/Server 2008). Click **Add a printer** to start the Add Printer Wizard.

For Windows XP: Click **Start** and then **Printers and Faxes**. Under Printer Tasks, click **Add a printer** to start the Add Printer Wizard. Click **Next**.

For Windows Server 2003: Click **Start** and then **Printers and Faxes**. Double-click **Add Printer** in the Printers folder to start the Add Printer Wizard. Click **Next**.

For Windows 2000: Click **Start**, point to **Settings**, and then select **Printers**. Double-click **Add Printer** in the Printers folder to start the Add Printer Wizard. Click **Next**.

For Windows NT 4.0: Click **Start**, point to **Settings**, and then select **Printers**. Double-click the **Add Printers** icon. Click **Next**.

2. **For Windows 7/Vista/Server 2008:** Click **Add a local printer**. Select the **Create a new port** radio button, and then select **EpsonNet Print Port** from the list. Click **Next**.

    Note:
    *If the Windows Security Alert screen appears, click the **Allow access** or **Unblock** button, and then click the **Search Again** button to search the printers.*

    For Windows XP/Server 2003: Click **Local printer attached to this computer**, clear the **Automatically detect and install my Plug and Play printer** check box, and then click **Next**. Select the **Create a new port** radio button, and then select **EpsonNet Print Port** from the list. Click **Next**.

    Note:
    *If the Windows Security Alert screen appears, click the **Unblock** button, and then click the **Search Again** button to search the printers.*

    For Windows 2000: Click **Local printer**, clear the **Automatically detect and install my Plug and Play printer** check box, and then click **Next**. Select the **Create a new port** radio button, and then select **EpsonNet Print Port** from the list. Click **Next**.

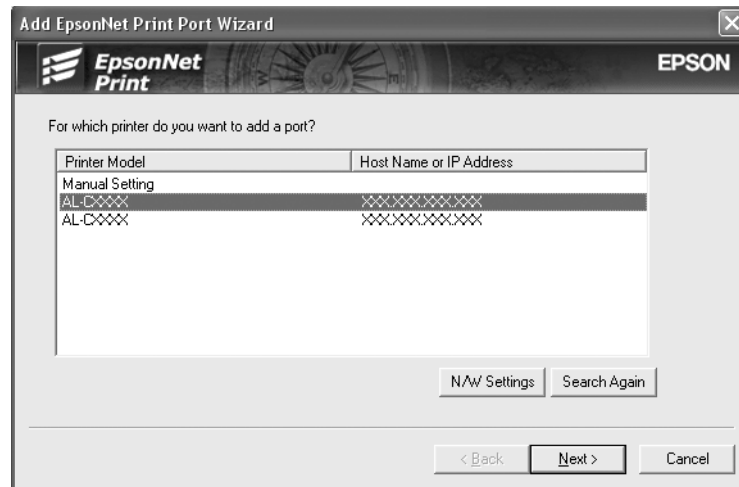   **For Windows NT 4.0:** Select the **My Computer** radio button, and then click **Next**. Click the **Add Port** button in the Add Printer Wizard dialog box. Select **EpsonNet Print Port** from the Available Printer Port list, and then click the **New Port** button.

3. Select the target printer, and then click **Next**.

Note:
❏ *If the target printer is not in the list, click the **Search Again** button to search the printers using new parameters.*

❏ *Each column can be sorted in ascending or descending order by clicking the column header. However, **Manual Setting** is always displayed on the top of the list regardless of sorting.*

❏ *If you want to search printers in other segments, click the **N/W Settings** button. Select the **Specific Network Segments** check box, and then enter the network address and subnet mask of the network segment for the search. Then click the **Add** button. You can also specify the time before declaring communication error.*

4.   Confirm the information about the printer's port you want to configure, and then click **Finish**.

Items	Explanations
Port Type	The following items are listed in the pull-down menu, and you can select the port type you need.
	IP Address (Auto): Configure the port automatically. If the IP address of the printer is acquired automatically and the computer and the printer are in the same segment, you can select this port type.
	IP Address (Manual): Use the printer's IP Address for the port name.
	HostName (DNS): Use the printer's host name registered in the DNS server for the port name.
	MS Network: Use the NetBIOS name registered in the printer for the port name.
The port Information	The following items are displayed:
	- Port Name (If the port type is changed, the port name and the host name or IP address are also changed.) - Printer Model - Host Name or IP Address - Protocol
Finish button	Register the port information to the system and close the Add EpsonNet Print Port Wizard.
Back button	Go back to the printer list window.
Cancel button	Close the Add EpsonNet Print Port Wizard.

The new printer port is created in your computer. To install the printer driver, see "Installing the Printer Driver" on page 65.

Adding a port for a printer assigned with a static IP address

1. **For Windows 7/Vista/Server 2008:** Click **Start**, **Control Panel**, and then **View devices and printers** (Windows 7), or **Printers** (Windows Vista/Server 2008). Click **Add a printer** to start the Add Printer Wizard.

   For Windows XP: Click **Start** and then **Printers and Faxes**. Under Printer Tasks, click **Add a printer** to start the Add Printer Wizard. Click **Next**.

   For Windows Server 2003: Click **Start** and then **Printers and Faxes**. Double-click **Add Printer** in the Printers folder to start the Add Printer Wizard. Click **Next**.

   For Windows 2000: Click **Start**, point to **Settings**, and then select **Printers**. Double-click **Add Printer** in the Printers folder to start the Add Printer Wizard. Click **Next**.

   For Windows NT 4.0: Click **Start**, point to **Settings**, and then select **Printers**. Double-click the **Add Printers** icon. Click **Next**.

2. **For Windows 7/Vista/Server 2008:** Click **Add a local printer**. Select the **Create a new port** radio button, and then select **EpsonNet Print Port** from the list. Click **Next**.

   Note:
   *If the Windows Security Alert screen appears, click the **Allow access** or **Unblock** button, and then click the **Search Again** button to search the printers.*

   For Windows XP/Server 2003: Click **Local printer attached to this computer**, clear the **Automatically detect and install my Plug and Play printer** check box, and then click **Next**. Select the **Create a new port** radio button, and then select **EpsonNet Print Port** from the list. Click **Next**.

   Note:
   *If the Windows Security Alert screen appears, click the **Unblock** button, and then click the **Search Again** button to search the printers.*

   For Windows 2000: Click **Local printer**, clear the **Automatically detect and install my Plug and Play printer** check box, and then click **Next**. Select the **Create a new port** radio button, and then select **EpsonNet Print Port** from the list. Click **Next**.

   For Windows NT 4.0: Select the **My Computer** radio button, and then click **Next**. Click the **Add Port** button in the Add Printer wizard dialog box. Select **EpsonNet Print Port** from the Available Printer Port list, and then click the **New Port** button.

3.   Select **Manual Setting** from the list, and then click **Next**.
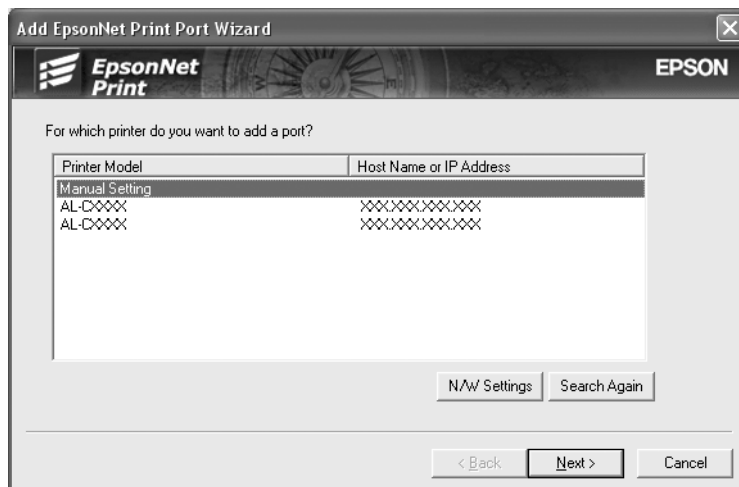
4.   Enter the printer's name and the port name is automatically entered to the Port Name edit box. Then click **Next**.

5. Confirm the information about the printer's port you want to configure, and then click **Finish**.

Items	Explanations
The port Information	The following items are displayed: - Port Name - Host Name or IP Address - Protocol
Finish button	Register the port information to the system and close the Add EpsonNet Print Port Wizard.
Back button	Go back to the printer list window.
Cancel button	Close the Add EpsonNet Print Port Wizard.

The new printer port is created in your computer. To install the printer driver, see "Installing the Printer Driver" on page 65.

Installing the Printer Driver

Install the printer driver that comes with your printer.

Note:
Some buttons in these steps may be slightly different depending on your operating system.

1. Insert the Software Disc shipped with the printer.

2. Close the Epson Install Navi screen if it appears.

3. On the Add Printer screen, click the **Have Disk** button. The Install From Disk dialog box appears.

4. Click **Browse**.

5. Select the CD-ROM drive for Drives, and double-click the appropriate folder for your operating system. Click **OK**.

6. Click **OK** in the Install From Disk dialog box.

7. Select the model name of the printer, and then click **Next**.

    Note:
    If the Add Printer Wizard asks you to select either **Keep existing driver** *or* **Replace existing driver***, be sure to select the* **Replace existing driver** *radio button. Click* **Next***.*

8. Click **Finish** and follow the on-screen instructions to complete the setup.

The printer is now ready for peer-to-peer printing. To configure the printer port, see "Configuring the Printer Port" on page 71.

For Windows Me/98/95 Users

Follow the steps below to add a port using the Add Printer Wizard.

❏ If you want to add a port for the printer with its IP address assigned automatically from the DHCP server or router, see "Adding a port for a printer assigned with a dynamic IP address" on page 66.

❏ If you want to add a port for the printer with its IP address assigned manually, see "Adding a port for a printer assigned with a static IP address" on page 69.

Note:
❏ *Be sure that the computer is connected to the network and TCP/IP is correctly set.*

❏ *Be sure that the target Epson printer driver is installed on the computer.*

❏ *A valid IP address must be assigned to the printer.*

Adding a port for a printer assigned with a dynamic IP address

Install the printer driver before adding a port for the printer. See the manual shipped with your printer for instructions on how to install the printer driver.

1. Click **Start**, point to **Settings**, and then select **Printers**.

2. Right-click the target printer icon, and then select **Properties**.

3. Click the **Details** tab, and then click the **Add Port** button. Select the **Other** radio button, and then select **EpsonNet Print Port**. Click **OK**.

4. Select the target printer, and then click **Next**.
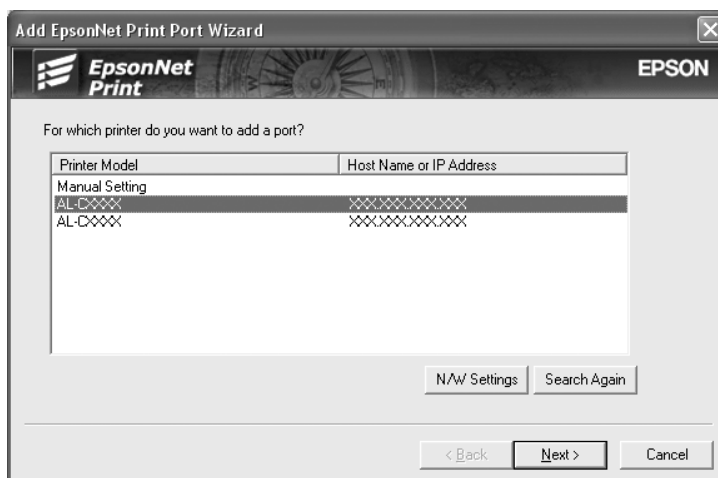
Note:
❏ *If the target printer is not in the list, click the* **Search Again** *button to search the printers using new parameters.*

❏ *Each column can be sorted in ascending or descending order by clicking the column header. However,* **Manual Setting** *is always displayed on the top of the list regardless of sorting.*

❏ *If you want to search printers in other segments, click the* **N/W Settings** *button. Select the* **Specific Network Segments** *check box, and then enter the network address and subnet mask of the network segment for the search. Then click the* **Add** *button. You can also specify the time before declaring communication error.*

5. Confirm the information about the printer's port you want to configure, and then click **Finish**.

Items	Explanations
Port Type	The following items are listed in the pull-down menu, and you can select the port type you need. **IP Address (Auto):** Configure the port automatically. If the IP address of the printer is acquired automatically and the computer and the printer are in the same segment, you can select this port type. **IP Address (Manual):** Use the printer's IP Address for the port name. **HostName (DNS):** Use the printer's host name registered in the DNS server for the port name. **MS Network:** Use the NetBIOS name registered in the printer for the port name.
The port Information	The following items are displayed: - Port Name (If the port type is changed, the port name and the host name or IP address are also changed.) - Printer Model - Host Name or IP Address - Protocol
Finish button	Register the port information to the system and close the Add EpsonNet Print Port Wizard.
Back button	Go back to the printer list window.
Cancel button	Close the Add EpsonNet Print Port Wizard.

The printer is now ready for peer-to-peer printing. To configure the printer port, see "Configuring the Printer Port" on page 71.

Adding a port for a printer assigned with a static IP address

Install the printer driver before adding a port for the printer. See the manual shipped with your printer for instructions on how to install the printer driver.
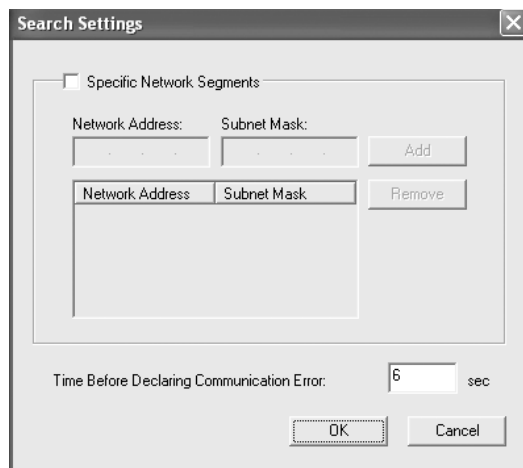
1. Click **Start**, point to **Settings**, and then select **Printers**.

2. Right-click the target printer icon, and then select **Properties**.

3. Click the **Details** tab, and then click the **Add Port** button. Select the **Other** radio button, and then select **EpsonNet Print Port**. Click **OK**.

4. Select **Manual Setting** from the list, and then click **Next**.

5. Enter the printer's name and the port name is automatically entered to the Port Name edit box. Then click **Next**.

6. Confirm the information about the printer's port you want to configure, and then click **Finish**.

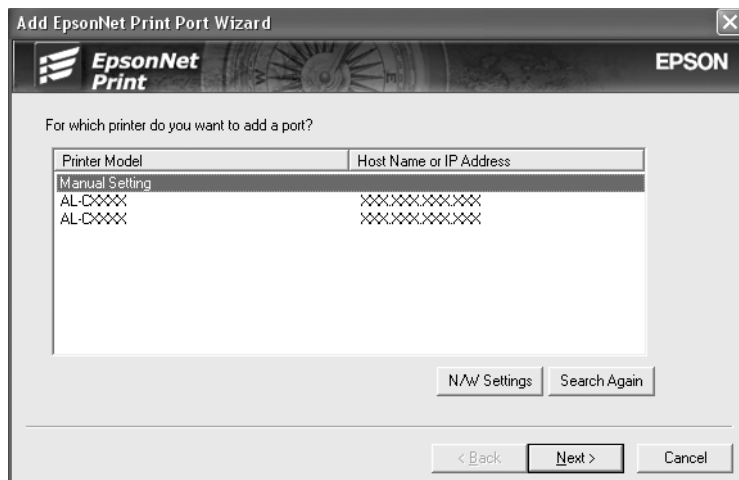| Items	Explanations
The port Information	The following items are displayed: - Port Name - Host Name or IP Address - Protocol
Finish button	Register the port information to the system and close the Add EpsonNet Print Port Wizard.
Back button	Go back to the printer list window.
Cancel button	Close the Add EpsonNet Print Port Wizard.

The printer is now ready for peer-to-peer printing. To configure the printer port, see "Configuring the Printer Port" on page 71.

Configuring the Printer Port

Follow the steps below to configure the printer port. The printing speed differs depending on your selection.

1. **For Windows 7/Vista/Server 2008:**
    Click **Start**, **Control Panel**, and then **View devices and printers** (Windows 7) or **Printers** (Windows Vista/Server 2008).

For Windows XP/Server 2003:
Click **Start** and then **Printers and Faxes**.

For Windows Me/98/95/2000/NT 4.0:
Click **Start**, point to **Settings**, and then select **Printers**.

2. Right-click the target printer, and then click **Properties**.

3. **For Windows Vista/XP/Server 2008/Server 2003/2000/NT 4.0:**
   Click the **Ports** tab, and then click the **Configure Port** button.

   For Windows Me/98/95:
   Click the **Details** tab, and then click the **Port Settings** button.

4. Make the appropriate settings for the desired port.
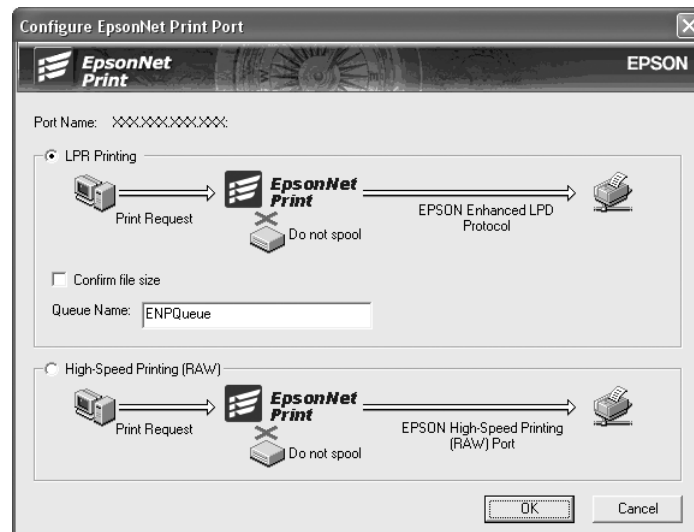
LPR enhanced printing:
Select the **LPR Printing** radio button, and then specify the queue name (up to 32 characters). LPR enhanced printing sends a print job to the target network printer without spooling all of the print data. LPR enhanced printing is faster than LPR standard printing.

LPR standard printing:
Select the **Confirm file size** check box, and then specify the queue name (up to 32 characters). Print data is spooled by the computer before being sent to the target network printer.

Note:
When the print data size is 20 MB or more, we recommend that you use LPR enhanced printing.

High-speed printing:
Select the **High-Speed Printing (RAW)** radio button. The Epson high-speed printing port sends a print job to the target network printer without spooling all of the print data. High-Speed printing is faster than the other two printing methods.

5. Click **OK**.

    If you select the **High-Speed Printing (RAW)** radio button and if the printer does not support High-Speed printing, or if you fail to connect to the printer, an error message appears. Follow the message to remedy the problem.

Chapter 4

Troubleshooting

General Problems

Cannot configure the network interface or cannot print from the network.

Cause	What to do
The printer settings or network settings may be wrong.	First, check to see if you can print a status sheet, as described in "Printing a Network Status Sheet" on page 76. If you can print a status sheet, check the network settings; otherwise, set the interface mode of the printer's control panel to **Auto** or **Option**.

Cannot print even if you have assigned the IP address to the computer and the printer.

Cause	What to do
You have assigned an IP address to the computer manually, but you assigned the IP address to the printer by Automatic Private IP Addressing (APIPA).	Assign the printer's IP address so that it belongs to the same segment of the computer. Use EpsonNet Config and the printer's control panel.

Unable to start EpsonNet Config.

Cause	What to do
You have added or deleted protocols after installing EpsonNet Config.	Uninstall EpsonNet Config and then reinstall it. See "Installing EpsonNet Config" on page 49.

The message "EpsonNet Config cannot be used because no network is installed." appears when you start EpsonNet Config.

Cause	What to do
Both TCP/IP and IPX/SPX are not installed on the computer.	Install the TCP/IP or IPX/SPX protocol.
TCP/IP is installed on the computer, but its IP address is not set correctly.	Set a correct IP address for the computer.

The message "Could not complete communicating configuration data" appears when you send settings to the network interface.

Cause	What to do
This may happen when using a dial-up router.	Run Command Prompt from the computer on which EpsonNet Config is installed, and then enter the following command: Format: >ROUTE_ADD_the IP address of the network interface_ the IP address of the computer (the under bar represents one space) Example: >ROUTE ADD 192.168.192.168 22.33.44.55.

Unable to start EpsonNet Config with Web Browser.

Cause	What to do
You have not set the IP address for the network interface.	Set the IP address for the network interface using EpsonNet Config for Windows or Macintosh, the printer's control panel. You can check the IP address on a status sheet. See the EpsonNet Config User's Guide.

The Model Name and IP Address do not appear in the EpsonNet Config dialog box.

Cause	What to do
If the valid IP address is not set, the items indicated in the dialog box mentioned above may not appear.	Set a valid IP address. Refresh the status by selecting **Refresh** from the View menu. Increase the length of time before a timeout. To do this, select **Options** from the Tool menu, and then select **Timeout**. Note that doing so can cause EpsonNet Config to run more slowly.

An extra account is generated when using the dial-up network.

Cause	What to do
NetWare is set to **Enable** even though you are not using NetWare.	Set NetWare to **Disable** on the NetWare screen of EpsonNet Config with Web Browser.
How to acquire an IP address. To acquire your IP address, you need to apply to the NIC (Network Information Center) in your country.	

Printing a Network Status Sheet

Before you start configuring the network interface, be sure to print a network status sheet that contains important information such as the current configuration and the MAC address of the network interface.

To print a network status sheet, follow the steps below.

Note:
You cannot print a status sheet using the steps below if your printer does not have an LCD panel. See the User's Guide on how to print the status sheet.

1. Press the **Right** button on the printer's control panel once to enter the SelecType mode. The LCD panel displays `Information Menu`.

2. Press the **Right** button.

3. Press the **Down** button until `Network Status Sheet` appears on the LCD panel.

4. Finally, press the **Right** button to print a network status sheet.

Note:

❏ *You cannot print a status sheet in the following cases: the printer has started printing, it is offline, or it is not ready to print.*

❏ *See the User's Guide for more information on the printer's control panel.*

Printing a Network Status Sheet (Large Format Inkjet Printers)

Before you start configuring the network interface, be sure to print a network status sheet that contains important information such as the current configuration and the MAC address of the network interface.
To print a network status sheet, follow the steps below.

Note:
You cannot print a status sheet using the steps below if your printer does not have an LCD panel. See the User's Guide on how to print the status sheet.

1. Press the **Right** button on the printer's control panel once to enter the Menu mode.

2. Press the **Up** or **Down** button until TEST PRINT appears. Then press the **Enter** button.

3. Press the **Down** button until NETWORK STATUS SHEET appears on the LCD panel. Then press the **Enter** button.

4. Finally, press the **Enter** button to print a network status sheet.

Note:

❏ *You cannot print a status sheet in the following cases: the printer has started printing, it is offline, or it is not ready to print.*

❏ *See the User's Guide for more information on the printer's control panel.*

Initializing Your Printer

To initialize your printer, turn on the printer while pressing the **Cancel Job** button on the printer's control panel.

Note:
Some printer models do not support this function.

> ❗ *Important:*
> *Note that all changes made to the printer and network settings are cleared when you initialize the printer using this method. Therefore, do not initialize your printer except in the case you forget the EpsonNet Config password.*

Reformatting the Hard Disk Drive

To reformat the Hard Disk Drive, follow the instructions below.

Note:
Some printer models do not support this function.

1. Make sure the printer is turned off.

2. Hold down the **Down** button while you turn on the printer.

3. When you see the message `Support Mode` on the LCD panel, select `HDD Format` in the support menu.

Note:
❏ *After reformatting the Hard Disk Drive, the printer will automatically reboot.*

❏ *When you want to erase only the fonts installed from the Adobe PostScript 3 (PS3), follow steps 1 through 3 above. Select **PS3 HDD Init** when the Adobe PostScript 3 ROM is installed.*

❏ *When installing a Hard Disk Drive from a different printer, reformat it with this function.*

Chapter 5
Tips for Administrator

Setting an IP Address on the Printer's Control Panel

After connecting the printer to the network, you need to set the IP address for the network interface.

To set the IP address, subnet mask, and default gateway from the control panel, follow the steps below.

Note:
If you are using a printer model that does not have an LCD panel, you cannot use the steps below.

1. Turn on your printer.

2. Press the **Right** button on the printer's control panel once to enter the SelecType mode. The LCD panel displays Information Menu.

3. Press the **Up** or **Down** button until Network Menu appears. Then press the **Right** button.

4. Check that Network I/F = On appears.

    If Network I/F = Off appears instead, press the **Right** button and then the **Up** or **Down** button to change to Network I/F = On. Then press the **Right** button, turn off the printer for more than five seconds, and turn it back on.

5. Press the **Up** or **Down** button until Get IP Address = Auto appears. Press the **Right** button and then the **Up** or **Down** button to change to Get IP Address = Panel. Then press the **Right** button. You can use the following methods to get an IP address.

    ❏ Choose Panel when setting the IP address, subnet mask, and default gateway using the printer's control panel.

    ❏ Choose Auto when getting the IP address from a DHCP server. The IP address is automatically obtained from the DHCP server whenever the printer is reset or turned on.

    ❏ Choose PING when setting the IP address using the arp/ping command. The network interface uses the IP address set by the arp/ping command. The settings become available when the printer is reset or turned off and then back on.

Note:

❏ *To use **Auto**, a DHCP server must be correctly configured on the network. See the online help of your operating system for detailed instructions.*

❏ *Choose **PING** only when setting the IP address using the arp/ping command.*

6. Press the **Up** or **Down** button until `IP = xxx.xxx.xxx.xxx` appears. Press the **Right** button.

7. Press the **Up** or **Down** button until the desired value appears. Then press the **Right** button to set the value.

    Note:
    Repeat steps 7 and 8 to set the IP address, subnet mask, and default gateway.

8. Press the **Start** button to exit the control panel menus.

9. Turn off your printer and then turn it back on. Be sure to wait until the initialization is complete.

Print a network status sheet to confirm the new IP address.

Note:

❏ *You must first set the IP address before using EpsonNet Config with Web Browser.*

❏ *See the User's Guide for more information about settings on the printer's control panel.*

Network Menu

These items are used to make network settings on the printer's control panel.

Item	Settings
Network I/F	On, Off
Get IPAddress	Panel, Auto, PING
IP	0.0.0.1 to 255.255.255.254
SM	0.0.0.0 to 255.255.255.255
GW	0.0.0.0 to 255.255.255.255
AppleTalk	On, Off
MS Network	On, Off

Item	Settings
WSD	On, Off
LLTD	On, Off
Bonjour	On, Off
IPv6	On, Off
IPSec	On, Off
Pre-Shared Key	Enter the pre-shared key (up to 20 characters).
Link Speed	Auto, 100 Full, 100 Half, 10 Full, 10 Half
Buffer Size	Normal, Maximum, Minimum

Note:
❏ *To activate the Network Menu settings, you must turn off the printer for more than five seconds and then turn it back on. Or, you can perform a Reset All operation, as explained in "Reset Menu" in the User's Guide.*

❏ *Resetting the printer erases all print jobs. Make sure the Ready light is not flashing when you reset the printer.*

AUX Menu

This menu allows you to control the optional interface settings from the printer's control panel.

Note:
The AUX Menu appears only when an optional interface is installed.

Item	Settings
AUX I/F	On, Off
Get IPAddress*	Panel, Auto, PING
IP*	0.0.0.0 to 255.255.255.254
SM*	0.0.0.0 to 255.255.255.255
GW*	0.0.0.0 to 255.255.255.255
NetWare*	On, Off
AppleTalk*	On, Off

Item	Settings
MS Network*	On, Off
Bonjour*	On, Off
AUX Init*	-
Buffer Size*	Normal, Maximum, Minimum

* Available only when On is selected as the AUX I/F setting.

AUX I/F

Allows you to activate or deactivate the AUX interface when an optional interface card is installed.

Buffer Size

Determines the amount of memory to be used for receiving data and printing data. If Maximum is selected, more memory is allocated for receiving data. If Minimum is selected, more memory is allocated for printing data.

Note:
❏ *To activate Buffer Size settings, you must turn off the printer for more than five seconds then turn it back on. Or, you can perform a Reset All operation, as explained in "Reset Menu" in the User's Guide.*

❏ *Resetting the printer erases all print jobs. Make sure the Ready light is not flashing when you reset the printer.*

Setting an IP Address on the Printer's Control Panel (Large Format Inkjet Printers)

After connecting the printer to the network, you need to set the IP address for the network interface.

To set the IP address, subnet mask, and default gateway from the control panel, follow the steps below.

1. Turn on your printer.

2. Press the **Right** button on the printer's control panel once to display MENU.

3. Press the **Down** button until NETWORK SETUP appears. Then press the **Right** button.

4. Select NETWORK SETUP, then press the **Right** button.

5. Select ENABLE, then press the **Enter** button to enable the network settings menu.

6. Press the **Left** button to display the NETWORK SETUP menu.

7. Press the **Down** button to select IP ADDRESS SETTING, then press the **Right** button. You can use the following methods to get an IP address.

   ❏ Choose Auto when getting the IP address from a DHCP server. The IP address is automatically obtained from the DHCP server whenever the printer is reset or turned on.

   ❏ Choose Panel when setting the IP address, subnet mask, and default gateway using the printer's control panel.

   Note:
   ❏ *To use **Auto**, a DHCP server must be correctly configured on the network. See the online help of your operating system for detailed instructions.*

   ❏ *Choose **PING** only when setting the IP address using the arp/ping command.*

8. Select PANEL, then press the **Enter** button. Press the **Left** button to return to the NETWORK SETUP menu.

9. Press the **Down** button to select IP, SM, or GW, then press the **Right** button.

10. Press the **Up** or **Down** button on the IP ADDRESS screen until the desired value appears. Then press the **Right** button.

11. Press the **Up** or **Down** button on the SUBNET MASK screen until the desired value appears. Then press the **Enter** button.

12. Press the **Up** or **Down** button on the DEFAULT GATEWAY screen until the desired value appears. Then press the **Enter** button to set the values.

13. Press the **Left** button twice to exit the control panel menus.

14. Turn off your printer and then turn it back on. Be sure to wait until the initialization is complete.

Print a network status sheet to confirm the new IP address.

Note:
❏ *You must first set the IP address before using EpsonNet Config with Web Browser.*

❏ *See the User's Guide for more information about settings on the printer's control panel.*

Network Setup Menu

These items are used to make network settings on the printer's control panel.

Note:
The available settings vary depending on your printer model.

Item	Settings
NETWORK SETUP	Disable, Enable
IP ADDRESS SETTING*	Auto, Panel, PING
IP*	0.0.0.0 to 255.255.255.254
SM*	0.0.0.0 to 255.255.255.255
GW*	0.0.0.0 to 255.255.255.255
AppleTalk*	On, Off
MS Network*	On, Off
Bonjour*	On, Off
WSD*	On, Off
INIT NETWORK SETTING*	EXECUTE

* Available only when Enable is selected for NETWORK SETUP.

Instructions on Using a Dial-Up Router

This section describes instructions on using a dial-up router.

If DHCP is used to assign an IP address of the printer and the Dynamic DNS function is not supported, you need to change the printer port setting every time you turn on the printer. Therefore, we recommend that you set a valid IP address for the network interface by using the one of the following methods.

❏ Set the IP address for the network interface manually. Use EpsonNet Config. See the EpsonNet Config User's Guide for details.

❏ Specify the network interface by using the bind of DHCP function.

❏ Set the exclusive address of the DHCP function.

Note:
See the manual of the Dial-Up router for more information on scope range, bind, exclusive address of the DHCP function.

Function of Universal Plug and Play

When you connect your printer to the network, the printer is automatically assigned with an IP address, and the printer's icon appears in the **My Network Places** folder. By double-clicking the printer's icon, you can access EpsonNet Config with Web Browser for basic information about the printer, such as manufacturer, model name, location, and administrator's name.

Right-click the printer's icon in the **My Network Places** folder and select **Properties**. You can check the brief information of the network interface.

To use this function, the Universal Plug and Play must be installed on Windows Me or future operating systems. For information on how to install Universal Plug and Play, see the Windows Me online help.

Note:
Before using the Universal Plug and Play function, you must enable the Universal Plug and Play function in EpsonNet Config. See the EpsonNet Config User's Guide or "Configuring the Network Interface Using Web-Based EpsonNet Config" on page 52.

Secure Communication Using IPSec and Access Control

This product supports secure data communication using the IPSec protocol and the access control function.

	IPSec	Access control
Data format	Encrypted data	Unencrypted data
Supported operating systems	Windows 7/Windows Vista	All operating systems supported by this product

IPSec protocol

IPSec is a protocol that is suitable for securing IP communication by encrypting the data or by authenticating client users in a network. To use this function, make the necessary settings on your printer using EpsonNet Config with Web Browser. Security settings on the client computers on the network are also required. For details on the settings, refer to the EpsonNet Config with Web Browser help.

Access control

Access control function allows you to restrict network access to the printer.

❏ Restrict access to the printer from specified client users only

❏ Restrict data communication to the printer to specified purposes only (such as accessing administrative information by the administrators)

To use this function, make the necessary settings on your printer using EpsonNet Config with Web Browser. For details on the settings, refer to the EpsonNet Config with Web Browser help.

Appendix A
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Bonjour

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   iv. the payment of the cost of having the goods repaired; or

b. in the case of services:

   i. the supplying of the services again; or

   ii. the payment of the cost of having the services supplied again.

Getopt

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