



PHASER™ 5400 LASER PRINTER

QUICK NETWORK INSTALL GUIDE



XEROX
NETWORK PRINTERS



**Xerox Phaser™ 5400
Laser Printer
Quick Network Install Guide**

721P57820
September 2001

Copyright © 2001, Xerox Corporation. All Rights Reserved. Unpublished rights reserved under the copyright laws of the United States. Contents of this publication may not be reproduced in any form without permission of Xerox Corporation.

Copyright protection claimed includes all forms of matters of copyrightable materials and information now allowed by statutory or judicial law or hereinafter granted, including without limitation, material generated from the software programs which are displayed on the screen such as styles, templates, icons, screen displays, looks, etc.

Printed in the United States of America.

Ethernet[®], the stylized X, and XEROX[®] are registered trademarks of Xerox Corporation. Phaser[™] and infoSMART[™] are trademarks of Xerox Corporation.

Adobe[®], Acrobat[®], Acrobat[®] Reader, Illustrator[®], PageMaker[®], Photoshop[®], and PostScript[®], ATM[®], Adobe Garamond[®], Birch[®], Carta[®], Mythos[®], Quake[®], and Tekton[®] are registered trademarks and Adobe Jenson[™], Adobe Brilliant Screens[™] technology, and IntelliSelect[™] are trademarks of Adobe Systems Incorporated or its subsidiaries which may be registered in certain jurisdictions.

Apple[®], LaserWriter[®], LocalTalk[®], Macintosh[®], Mac[®] OS, AppleTalk[®], TrueType2[®], Apple Chancery[®], Chicago[®], Geneva[®], Monaco[®], and New York[®] are registered trademarks, and QuickDraw[™] is a trademark of Apple Computer Incorporated.

Marigold[™] and Oxford[™] are trademarks of AlphaOmega Typography.

Avery[™] is a trademark of Avery Dennison Corporation.

PCL[®] and HP-GL[®] are registered trademarks of Hewlett-Packard Corporation.

Hoefler Text was designed by the Hoefler Type Foundry.

ITC Avant Guard Gothic[®], ITC Bookman[®], ITC Lubalin Graph[®], ITC Mona Lisa[®], ITC Symbol[®], ITC Zapf Chancery[®], and ITC Zapf Dingbats[®] are registered trademarks of International Typeface Corporation.

Bernhard Modern[™], Clarendon[™], Coronet[™], Helvetica[™], New Century Schoolbook[™], Optima[™], Palatino[™], Stempel Garamond[™], Times[™], and Univers[™] are trademarks of Linotype-Hell AG and/or its subsidiaries.

MS-DOS[®] and Windows[®] are registered trademarks of Microsoft Corporation.

Wingdings[™] in TrueType[®] format is a product of Microsoft Corporation. WingDings is a trademark of Microsoft Corporation and TrueType is a registered trademark of Apple Computer, Inc.

Albertus[™], Arial[™], Gill Sans[™], Joanna[™], and Times New Roman[™] are trademarks of Monotype Corporation.

Antique Olive[®] is a registered trademark of M. Olive.

Eurostile[™] is a trademark of Nebiolo.

Novell[®] and NetWare[®] are registered trademarks of Novell, Incorporated.

Sun[®], Sun Microsystems[®], and Sun Microsystems Computer Corporation[®] are registered trademarks of Sun Microsystems, Incorporated.

SPARC[®] is a registered trademark of SPARC International, Incorporated.

SPARCstation[™] is a trademark of SPARC International, Incorporated, licensed exclusively to Sun Microsystems, Incorporated.

UNIX[®] is a registered trademark in the US and other countries, licensed exclusively through X/Open Company Limited.

Other marks are trademarks or registered trademarks of the companies with which they are associated.

Contents

Introduction	1
Requirements.....	1
Additional information	1
How to use this document.....	2
Windows (all versions) Network	3
Quick CD-ROM install steps	3
Windows 95/98/Me Network	4
Quick install steps	4
Windows NT 4.x Network	7
Introduction	7
Preliminary steps	7
Quick install steps (Microsoft TCP/IP protocol)	7
Quick install steps (Xerox TCP/IP Port Monitor).....	9
Quick install steps (AppleTalk protocol)	11
Windows 2000 Network	13
Introduction	13
Preliminary steps	13
Quick install steps (Microsoft TCP/IP protocol)	13
Quick install steps (Xerox TCP/IP Port Monitor).....	15
Quick install steps (AppleTalk protocol)	18
Macintosh EtherTalk Network	20
Quick install steps	20
Novell NetWare 3.1x, 4.1x, 5.x Networks	21
Quick setup	21
Advanced setup	22

UNIX Network 23
Overview23
Quick install steps.23

Internet Printer Services 25
Overview25
Requirements25
Configure your web browser.26

Appendix A: Print the Configuration Sheet. 27
For Phaser networked printers27

Appendix B: Set an IP Address 28
For Phaser networked printers29

Introduction

The purpose of this document is to provide an experienced Systems Administrator with information for setting up the Xerox Phaser 5400 printer on the various networks indicated.

Requirements

In general, the requirements needed for printer connection and setup include:

- A workstation with the appropriate operating system software installed for that station.
- A working knowledge of your network.

Additional information

Additional information may be found in on-line help and electronic documentation supplied with your printer. This documentation may include an **Advanced Features and Troubleshooting Manual** on the Xerox Phaser 5400 printer software CD-ROM.

How to use this document

This document has been arranged to get the printer set up on your network quickly and with minimum reading.

1. Review the Table of Contents.
2. Find the Network Operating Systems (NOS), which pertains to your network.
3. Go to the page indicated and perform the procedure. The procedure may point you to one or more of the Appendices located in the back of this document.
4. Once these procedures are finished, it is recommended that you print a Configuration Sheet and verify the network settings. Refer to **Appendix A: Print the Configuration Sheet**.

Phaser printers come with an embedded web server. If you want to monitor or administer your printer using your standard web browser software, perform the procedures in the section entitled **Internet Printer Services**.

Windows (all versions) Network

Quick CD-ROM install steps

1. Insert your printer's CD-ROM into your computer's CD-ROM drive. If your PC is set to autorun, a CD Navigator Utility should automatically start. If it does not start, then:
 - a. Click **Start** and **Run**.
 - b. In the Run window, type: <CD drive>\SETUP32.EXE.
2. Select your desired language from the list.
3. Install the printer drivers for your printer. Within CD Navigator, select **Printer Drivers**, and then select **Install Xerox Phaser 5400 Laser Printer Drivers**.
4. Click **Yes** to accept the Xerox Software License Agreement.
5. Under the **Setup Type** dialog box, select the **Easy** installation procedure and click **Next**.
6. The installer searches the network and displays the first Phaser 5400 printer found. Click **Next** to accept this printer.
7. Click **Next** to accept the printer's default name or enter an alternate name, and then click **Save Changes** before clicking **Next**.
8. The information dialog box displays the files to be copied to your system. Click **Next** to install the files and **Finish** to complete the installation.

Windows 95/98/Me Network

Quick install steps

1. Insert your printer's CD-ROM into your computer's CD-ROM drive. If your PC is set to autorun, a CD Navigator Utility should automatically start. If it does not start, then:
 - a. Click **Start** and **Run**.
 - b. In the Run window, type: <CD drive>\SETUP32.EXE.
2. Select your desired language from the available list.

Printer driver installation

1. Install the printer drivers for your printer. Within CD Navigator, select **Printer Drivers**, and then select **Install Xerox Phaser 5400 Laser Printer Drivers**.

Note

The Xerox TCP/IP Port Monitor has not been installed yet. It is necessary to temporarily install the printer drivers to an alternate port. A local port, such as LPT1, is recommended.

2. Run the TCP/IP Port Monitor Setup program located on your printer's CD-ROM:
 - a. Click **Start** and **Run**.
 - b. In the Run window, type: <CD drive>\instal\utility\Tcp Ip Port Monitor\Windows 9x\<language>\setup.exe.
3. On the first dialog box, select **Install/Upgrade Port Monitor** and click **OK**.

Port monitor installation

1. The installation process automatically copies the files to the system directory. When this process is completed, a dialog box appears that reads: **The Xerox TCP/IP Port Monitor was successfully installed. To add or remove ports, select the ports tab in your printer properties.**
2. Click **OK**.

Adding a port

1. To add a TCP/IP port, open the **Printer Properties** dialog box for the printer you would like to attach the new TCP/IP port.
 - a. Click **Start**, scroll to **Settings**, and click **Printers**.
 - b. Click your right-mouse button on the printer to which you want to attach the new TCP/IP port, and select **Properties**.
2. Select the **Details** tab, and click the **Add Port** button.
3. In the **Add Port** dialog box, select **Other**.
4. From the list of available printer port monitors, select the **Xerox TCP/IP Port**, and then click the **OK** button.
5. At this point, you enter the **Xerox TCP/IP Printer Port Wizard**. The wizard guides you step-by-step through the process of:
 - a. Choosing a name for the new port.
 - b. Identifying a printer by its DNS Name or IP Address.
 - c. (Alternatively) Identifying a printer using the automatic **Printer Discovery** feature.

Click **Next** to proceed with the port installation.

6. The wizard verifies the port name and printer address, and automatically configures the remaining port settings for you. Any errors detected in printer identification displays a dialog box requesting **Additional Information**.

In the **Add Xerox TCP/IP Port** window:

- a. Under **Enter a Port Name**, enter a unique name for the port being added.
- b. Under **Enter a printer name or IP address**, enter the printer's host name or IP Address.
- c. Click **Next**.

Note

To locate Xerox printers on your local area network, select **Auto Printer Discovery**, and then click **Refresh**. The Xerox TCP/IP Port Monitor searches the network for Xerox printers and displays them in a list. Select your desired printer from the list and click **OK**.

7. After all the port settings have been configured and verified, a **Completing** dialog box appears summarizing all of the settings. You have the opportunity to change any of the settings by clicking the **Back** key. Otherwise, click the **Finish** key to complete the port setup.
8. Click **OK** to exit from **Printer Properties**. This completes the installation of the Xerox TCP/IP Port.

Windows NT 4.x Network

Introduction

Your printer can be installed on a Windows NT network using one of three methods:

- Microsoft TCP/IP protocol
- Xerox TCP/IP Port Monitor
- AppleTalk protocol

The **Preliminary Steps** given below must be accomplished for all printers regardless of the method that is being used. Then, the **Quick Install Steps** detail the installation process corresponding to the method selected.

The CentreWare DP program on your **Printer Management Software** CD-ROM can also be used to monitor and configure the printer.

Preliminary steps

1. Print the Configuration Sheet. Details are in this document in **Appendix A: Print the Configuration Sheet**. Retain this page for reference.
2. Check the Configuration Sheet and verify that both the desired protocol and connector are enabled.
3. Proceed to the Quick Install Steps for the installation method selected.

Quick install steps (Microsoft TCP/IP protocol)

1. At the Desktop, right-mouse-click the Network Neighborhood icon and select **Properties**.
2. Click on the **Protocols** tab and verify that the TCP/IP protocol has been loaded.
3. Select the **Services** tab and verify that **Microsoft TCP/IP Printing** is loaded.
4. If this software is not present, install it using the documentation provided by Microsoft, and then return to this document.

5. Open the **Control Panel** and double-click the **Printers** icon.
6. Double-click **Add Printer**; the **Add Printer Wizard** starts.
7. Verify that **My Computer** is selected and click **Next>**.
8. Click **Add Port**.
9. From the list that appears, select **LPR Port**.
10. Click **New Port**. This opens up the **Add LPR** compatible printer window.
11. Type the IP address of your printer and a printer name of up to 31 characters (no spaces).
12. Select **OK**. The Wizard returns you to the previous dialog. Verify that the new IP address you entered is in the list and is correct. The check box to the left of the address must be checked; if it is not, check it, and then select **Next>**.
13. Insert your printer's CD-ROM into your computer's CD-ROM drive and click **Have Disk**.
14. Click the **Browse** button and select the directory containing the Windows NT drivers.
15. Select the ***.INF** file.
16. Click **Open**. The Wizard returns you to the previous dialog. Verify that the path and filename are correct and click **OK**.
17. At the next dialog, enter a name for the printer and select whether you want that printer to be the default. Click **Next>**.
18. If the printer is not shared, click **Next>**. To share the printer, enter a **Share Name**, check the share checkbox, and then click **Next>**.
19. At the next dialog, it is recommended that you print a Test Print. Click **Finish**.
20. Wait for the Test Print to print. A new dialog asks for confirmation of the Test Print; click **Yes**.
21. Send a print job to the printer.
22. Check the print job for print-quality. If print-quality problems exist, use the print-quality section of your printer's **Advanced Features and Troubleshooting Manual** to correct the problem.

23. If your print job did not print, see the Troubleshooting section for your operating system in the **Advanced Features and Troubleshooting Manual** to correct the problem.

Note

Printers connected to a Windows NT network with the TCP/IP protocol enabled, can use a web browser to monitor and configure your printer. Refer to the section in this document entitled **Internet Printer Services**.

Note

For installing or managing multiple printers on a Windows NT network with the TCP/IP protocol enabled, you can use the Xerox CentreWare MC snap-in to Microsoft Management Console. Refer to the **Xerox CentreWare MC User Guide**.

Quick install steps (Xerox TCP/IP Port Monitor)

1. Insert your printer's CD-ROM into your computer's CD-ROM drive. A CD Navigator Utility should automatically start. If it does not start, then:
 - a. Click **Start** and **Run**.
 - b. In the Run window, type: **<CD drive>:\SETUP32.EXE**.
2. Select your desired language from the available list.

Printer driver installation

1. Install the printer drivers for your printer. Within CD Navigator, select **Printer Drivers**, and then select **Install Xerox Phaser 5400 Laser Printer Drivers**.

Note

The Xerox TCP/IP Port Monitor has not been installed yet. It is necessary to temporarily install the printer drivers to an alternate port. A local port, such as LPT1, is recommended.

2. Run the TCP/IP Port Monitor Setup program located on your printer's CD-ROM:
 - a. Click **Start** and **Run**.
 - b. In the Run window, type: <CD drive>:\instal\utility\Tcp Ip Port Monitor\Windows NT4\<language>\setup.exe.
3. On the first dialog box, select **Install/Upgrade Port Monitor** and click **OK**.

Port monitor installation

1. The installation process automatically copies the files to the system directory. When this process has been completed, a dialog box appears that reads: **The Xerox TCP/IP Port Monitor was successfully installed. To add or remove ports, select the ports tab in your printer properties.**
2. Click **OK**.

Adding a port

1. To add a TCP/IP port, open the **Printer Properties** dialog box for the printer you would like to attach the new TCP/IP port.
 - a. Click **Start**, scroll to **Settings**, and click **Printers**.
 - b. Click your right-mouse button on the printer to which you want to attach the new TCP/IP port, and select **Properties**.
2. Select the **Ports** tab, and click the **Add Ports** button.
3. From the list of available printer port monitors, select the **Xerox TCP/IP Port**, and then click the **New Port** button.
4. At this point, you enter the **Xerox TCP/IP Printer Port Wizard**. The wizard guides you step-by-step through the process of:
 - a. Choosing a name for the new port.
 - b. Identifying a printer by its DNS Name or IP Address.
 - c. (Alternatively) Identifying a printer using the automatic **Printer Discovery** feature.

Click **Next** to proceed with the port installation.

5. The wizard verifies the port name and printer address, and automatically configures the remaining port settings for you. Any errors detected in printer identification displays a dialog box requesting **Additional Information**.

In the **Add Xerox TCP/IP Port** window:

- a. Under **Enter a Port Name**, enter a unique name for the port being added.
- b. Under **Enter a printer name or IP address**, enter the printer's host name or IP Address.
- c. Click **Next**.

Note

To locate Xerox printers on your local area network, select **Auto Printer Discovery**, and then click **Refresh**. The Xerox TCP/IP Port Monitor searches the network for Xerox printers and displays them in a list. Select your desired printer from the list and click **OK**.

6. After all the port settings have been configured and verified, a **Completing** dialog box appears summarizing all of the settings. You have the opportunity to change any of the settings by clicking the **Back** key. Otherwise, click the **Finish** key to complete the port setup.
7. Click **OK** to exit from **Printer Properties**. This completes the installation of the Xerox TCP/IP Port.

Quick install steps (AppleTalk protocol)

1. At the Desktop, right-mouse-click the Network Neighborhood icon and select **Properties**.
2. Click the **Protocols** tab and verify that the **AppleTalk** protocol has been loaded.
3. If the AppleTalk software is not present, install it using the documentation provided by Microsoft, and then return to this document.
4. Open the **Control Panel** and double-click the **Printers** icon.
5. Double-click **Add Printer**; the **Add Printer Wizard** starts.
6. Verify that **My Computer** is selected and click **Next>**.
7. Click **Add Port**.
8. Select the **AppleTalk Printing Devices** and click **New Port**.
9. Click **Ethernet** and select the device.

10. Choose your printer device from the list, then click **OK**.
11. Click **OK**. The Wizard returns you to the previous dialog. Verify that the port name you entered is in the list and is correct. The check box to the left of the port name must be checked; if it is not, check it, and then select **Next>**.
12. Insert your printer's CD-ROM into your computer's CD-ROM drive and click **Have Disk**.
13. Click the **Browse** button and select the directory containing the Windows NT drivers: <CD Drive>\instal\winnt40, and then click **Open**.
14. Select the *.INF file, then click **OK**.
15. The Wizard returns you to the previous dialog. Verify that the path and file name are correct and click **OK**.
16. At the next dialog, enter a name for the printer and select whether you want that printer to be the default, and then click **Next>**.
17. If the printer is not shared, click **Next>**. To share the printer, enter a **Share Name**, check the share checkbox, and then click **Next>**.
18. At the next dialog it is recommended that you print a Test Print. Click **Finish**.
19. Wait for the Test Print to print. A new dialog asks for confirmation of the Test Print; click **Yes**.
20. Send a print job to the printer.
21. Check the print job for print-quality. If print-quality problems exist, use the print-quality section of your printer's **Advanced Features and Troubleshooting Manual** to correct the problem.
22. If your print job did not print, see the Troubleshooting section for your operating system in the **Advanced Features and Troubleshooting Manual** to correct the problem.

Windows 2000 Network

Introduction

Your printer can be installed on a Windows 2000 network using one of three methods:

- Microsoft TCP/IP protocol
- Xerox TCP/IP Port Monitor
- AppleTalk protocol

The **Preliminary Steps** given below must be accomplished for all printers regardless of the method that is being used. Then, the **Quick Install Steps** detail the installation process corresponding to the method selected.

The CentreWare DP program on your **Printer Management Software** CD-ROM can also be used to monitor and configure the printer.

Preliminary steps

1. Print the Configuration Sheet. Details are in this document in **Appendix A: Print the Configuration Sheet**. Retain this page for reference.
2. Check the Configuration Sheet and verify that both the desired protocol and connector are enabled.
3. Proceed to the Quick Install Steps for the installation method selected.

Quick install steps (Microsoft TCP/IP protocol)

1. At the Desktop, right-mouse-click the **My Network Places** icon and select **Properties**.
2. Right-mouse-click the **Local Area Connection** icon inside the **Network and Dial-up Connections** window. Select **Properties**.
3. Select the **General** tab and verify that **Internet Protocol (TCP/IP)** is loaded.

4. If the TCP/IP software is not present, install it using the documentation provided by Microsoft, and then return to this document.
5. Open the **Control Panel** and double-click the **Printers** icon.
6. Double-click **Add Printer**; the **Add Printer Wizard** starts.
7. Click **Next>**.
8. Click the **Local Printer** radio button.
9. Click **Next>**.
10. Click the **Create a New Port** radio button.
11. Select **Standard TCP/IP Port** from the **New Port Type** pull-down menu.
12. Click **Next>**.
13. The wizard now starts the TCP/IP port wizard, click **Next>**.
14. Click in the **Printer Name or IP Address** edit box, and type in the IP Address of the printer you want to use.
15. Click **Next>**.
16. On the **Confirmation** window, click **Finish** if the data is correct. If the data is not correct, click the **<Back** button to correct any errors.
17. Insert your printer CD-ROM into your computer's CD-ROM drive and click **Have Disk**.
18. Click the **Browse** button and select the directory containing the Windows 2000 drivers.
19. Select the ***.INF** file, then click **Open**.
20. The Wizard returns you to the previous dialog. Verify that the path and filename are correct, and click **OK**.
21. At the next dialog, enter a name for the printer and select whether you want that printer to be the default, and then click **Next>**.
22. If the printer is not shared, click **Next>**. To share the printer, enter a **Share Name**, check the share checkbox, and then click **Next>**.
23. At the next dialog, it is recommended that you print a Test Print. Click **Next>**.

24. The **Completing the Add Printer Wizard** window appears. If all the data presented is correct, click the **Finish** button. If not, click the **<Back** button to correct any errors.
25. Wait for the Test Print to print. A new dialog asks for confirmation of the Test Print; click **Yes**.
26. Send a print job to the printer.
27. Check the print job for print-quality. If print-quality problems exist, use the print-quality section of your printer's **Advanced Features and Troubleshooting Manual** to correct the problem.
28. If your print job did not print, see the Troubleshooting section for your operating system in the **Advanced Features and Troubleshooting Manual** to correct the problem.

Note

Printers connected to a Windows 2000 network with TCP/IP protocol enabled, can use a web browser to monitor and configure your printer. Refer to the section in this document entitled **Internet Printer Services**.

Note

For installing or managing multiple printers on a Windows 2000 network with TCP/IP protocol enabled, you can use the Xerox CentreWare MC snap-in to Microsoft Management Console. Refer to the **Xerox CentreWare MC User Guide**.

Quick install steps (Xerox TCP/IP Port Monitor)

1. Insert your printer's CD-ROM into your computer's CD-ROM drive. If your PC is set to autorun, a CD Navigator Utility should automatically start. If it does not start, then:
 - a. Click **Start** and **Run**.
 - b. In the Run window, type: **<CD drive>:\SETUP32.EXE**.
2. Select your desired language from the available list.

Printer driver installation

1. Install the printer drivers for your printer. Within CD Navigator, select **Printer Drivers**, and then select **Install Xerox Phaser 5400 Laser Printer Drivers**.

Note

The Xerox TCP/IP Port Monitor has not been installed yet. It is necessary to temporarily install the printer drivers to an alternate port. A local port, such as LPT1, is recommended.

2. Run the TCP/IP Port Monitor Setup program located on your printer's CD-ROM:
 - a. Click **Start** and **Run**.
 - b. In the Run window, type: <CD drive>\instal\utility\Tcp Ip Port Monitor\Windows 2000\<language>\setup.exe.
3. In the first dialog box, select **Install/Upgrade Port Monitor** and click **OK**.

Port monitor installation

1. The installation process automatically copies the files to the system directory. When this process has been completed, a dialog box appears that reads: **The Xerox TCP/IP Port was successfully installed. To add or remove ports, select the ports tab in your printer properties.**
2. Click **OK**.

Adding a port

1. To add a TCP/IP port, open the **Printer Properties** dialog box for the printer you would like to attach the new TCP/IP port.
 - a. Click **Start**, scroll to **Settings**, and click **Printers**.
 - b. Click your right-mouse button on the printer to which you want to attach the new TCP/IP port, and select **Properties**.
2. Select the **Ports** tab, and click the **Add Ports** button.
3. From the list of available printer port monitors, select the **Xerox TCP/IP Port**, and then click the **New Port** button.

4. At this point, you enter the **Xerox TCP/IP Printer Port Wizard**. The wizard guides you step-by-step through the process of:
 - a. Choosing a name for the new port.
 - b. Identifying a printer by its DNS Name or IP Address.
 - c. (Alternatively) Identifying a printer using the automatic **Printer Discovery** feature.
5. The wizard verifies the port name and printer address, and automatically configures the remaining port settings for you. Any errors detected in printer identification displays a dialog box requesting **Additional Information**.

In the **Add Xerox TCP/IP Port** window:

- a. Under **Enter a Port Name**, enter a unique name for the port being added.
- b. Under **Enter a printer name or IP address**, enter the printer's host name or IP Address.
- c. Click **Next**.

Note

To locate Xerox printers on your local area network, select **Auto Printer Discovery**, and then click **Refresh**. The Xerox TCP/IP Port Monitor searches the network for Xerox printers and displays them in a list. Select your desired printer from the list and click **OK**.

6. After all the port settings have been configured and verified, a **Completing** dialog box appears summarizing all of the settings. You have the opportunity to change any of the settings by clicking the **Back** key. Otherwise, click the **Finish** key to complete the port setup.
7. Click **OK** to exit **Printer Properties**. This completes the installation of the Xerox TCP/IP Port.

Re-configuring an existing port

1. Within the **Printer Properties** dialog box, click the **Ports** tab.
2. Select the TCP/IP port you want to re-configure from the list shown, then click the **Configure Port** button.
3. A dialog box appears listing the current port configuration and allowing you to make changes. The following settings can be changed:
 - a. Printer Name or IP Address
 - b. Protocol (Raw or LPR)
 - c. Raw Settings
 - d. LPR Settings
 - e. Bi-Directional Settings
4. Click the **OK** button after the desired changes have been made.

Quick install steps (AppleTalk protocol)

1. At the Desktop, right-mouse-click the **My Network Place** icon and select **Properties**.
2. Right-click the **Local Area Connection** icon inside the **Network and Dial-up Connections** window. Select **Properties**.
3. Select the **General** tab, and verify that **AppleTalk Protocol** is loaded.
4. If the AppleTalk software is not present, install it using the documentation provided by Microsoft, and then return to this document.
5. Open the **Control Panel** and double-click the **Printers** icon.
6. Double-click **Add Printer**; the **Add Printer Wizard** starts.
7. Click **Next>**.
8. Click the **Local Printer** radio button.
9. Click **Next>**.
10. Click the **Create a New Port** radio button.
11. Select the **AppleTalk Printing Devices** from the **New Port Type** pull-down menu.

12. You are now presented with a list of zones discovered on the network. Double-click the **Zone Name** your printer is on to expand the list. Now select your printer from the list, and click **OK**.
13. You may now capture the AppleTalk Device. With this action, you prevent others from printing to this device. In most applications it is best to select **No**. If you are installing the printer port on a server that acts as a single print queue for this device, then click **Yes**.
14. Insert your printer CD-ROM into your computer's CD-ROM disk drive and click **Have Disk**.
15. Click the **Browse** button and select the directory containing the Windows 2000 drivers: <**CD Drive**>:\instal\win2k, and then click **Open**.
16. Select the *.INF file, then click **OK**.
17. The Wizard returns you to the previous dialog. Verify that the path and file name are correct, and click **OK**.
18. At the next dialog, enter a name for the printer and select whether you want that printer to be the default, and then click **Next>**.
19. If the printer is not shared, click **Next>**. To share the printer, enter a **Share Name**, check the share checkbox, and then click **Next>**.
20. At the next dialog, it is recommended that you print a Test Print. Click **Next>**.
21. The **Completing the Add Printer Wizard** window appears. If all the data presented is correct, click the **Finish** button. If not, click the <**Back** button to correct any errors.
22. Wait for the Test Print to print. A new dialog asks for confirmation of the Test Print; click **Yes**.
23. Send a print job to the printer.
24. Check the print job for print-quality. If print-quality problems exist, use the print-quality section of your printer's **Advanced Features and Troubleshooting Manual** to correct the problem.
25. If your print job did not print, see the Troubleshooting section for your operating system in the **Advanced Features and Troubleshooting Manual** to correct the problem.

Macintosh EtherTalk Network

Quick install steps

1. Print the Configuration Sheet. Details are in this document in **Appendix A: Print the Configuration Sheet**.
2. Check the Configuration Sheet and verify that the EtherTalk is enabled, the AppleTalk name is correct, the AppleTalk zone is correct (if used), and the proper connector is enabled. Details are in the **Advanced Features and Troubleshooting Manual**.
3. Use the software installer to load print drivers. Details for this are found in your printer's CD-ROM.
4. Select your printer and zone (if used) in the **Chooser**.
5. Send a print job to the printer.
6. Check the print job for print-quality. If print-quality problems exist, use the print-quality section of your printer's **Advanced Features and Troubleshooting Manual** to correct the problem.
7. If your print job did not print, see the Troubleshooting section for your operating system in the **Advanced Features and Troubleshooting Manual** to correct the problem.

Novell NetWare 3.1x, 4.1x, 5.x Networks

Note

If you use NetWare 4.x or 5.x and print using NDPS/NEPS, Xerox provides a Xerox NDPS/NEPS solution. This is available from the Xerox web site at:
<http://www.xerox.com/officeprinting>

Quick setup

1. Print the Configuration Sheet. Details are in this document in **Appendix A: Print the Configuration Sheet**.
2. Check the Configuration Sheet and verify that **Novell enable=On** and **correct Frame Type** is set.
3. Install print drivers from your printer's CD-ROM and then install CentreWare DP from the **Printer Management Software** CD-ROM on a Windows-based workstation. Details for this are found in the Instruction Booklet included with each CD-ROM.
4. Run the CentreWare DP application and choose **Setup Wizard** from the **Printer** menu. NetWare 3.1x users should select the bindery server install and follow the Setup Wizard steps. NetWare 4.1x users should select the NDS install and follow the Setup Wizard steps.
5. Send a print job to the printer.
6. Check the print job for print-quality. If print-quality problems exist, use the print-quality section of your printer's **Advanced Features and Troubleshooting Manual** to correct the problem.
7. If your print job did not print, see the Troubleshooting section for your operating system in the **Advanced Features and Troubleshooting Manual** to correct the problem.
8. If you want your printer to service more than one queue, proceed to the next section entitled **Advanced Setup**.

Advanced setup

The Advanced Setup option of CentreWare DP gives you a tool to control how your devices are configured in your Novell NetWare network environment. This tool is only necessary for connecting your device to more than one file server or queue. For a connection to a single device and queue, use Setup Wizard.

The Advanced Setup option requires Novell NetWare Client 32 in order to function. This utility is supplied on the **Printer Management Software** CD-ROM for your convenience.

Consult the **CentreWare DP User Guide** on the **Printer Management Software** CD-ROM for instructions on using this options.

UNIX Network

Overview

Your Phaser printer supports connection to a variety of UNIX platforms. Below is a list of the currently supported versions:

- Solaris
- IBM AIX
- Hewlett-Packard HP-UX
- DEC Unix
- True Unix 64 (Compaq)
- SCO UnixWare
- Linux (i386)
- Linux (PPC)
- SGI

The procedures contained in this document enable you to connect your printer in any of these environments.

Quick install steps

1. Print the Configuration Sheet. Details are in this document in **Appendix A: Print the Configuration Sheet**.
2. Check the Configuration Sheet and verify that both TCP/IP protocol and the proper connector are enabled.
3. Go to **Appendix B: Set an IP Address** and perform one of the procedures there, depending on the manner in which you want to set your printer's IP address.

4. **Solaris:** Refer to the **CentreWare Services for Unix Systems User Guide** (English only) included on the **Printer Management Software** CD-ROM for CentreWare installation and detailed printer setup instructions.

Other UNIX OS: Load printer drivers and configure the printer for one of the Print Models. These drivers are available on the **Printer Management Software** CD-ROM or from the Xerox web site (<ftp.xerox.com>).

5. Send a print job to the printer.
6. Check the print job for print-quality. If print-quality problems exist, use the print-quality section of your printer's **Advanced Features and Troubleshooting Manual** to correct the problem.
7. If your print job did not print, see the Troubleshooting section for your operating system in the **Advanced Features and Troubleshooting Manual** to correct the problem.

Internet Printer Services

Overview

Your Phaser printer includes an integrated web server. This means you can now check up on your printer status using your favorite web browser software! This section shows you how to set up this feature.

The type of network to which your Phaser printer is connected determines how Internet services is enabled.

Requirements

- It is recommended, but not mandatory, that you install a Java-enabled browser on the workstation(s), which uses the Internet Services Tool. For best performance and compatibility, use Netscape Navigator 3.0 or Microsoft Internet Explorer 3.01 or later.
- Your printer and workstation(s) must be connected to a network, which has the TCP/IP protocol enabled.
- These procedures assume a general knowledge of your network type and the operation of your web browser software.
- It is recommended that you set both Subnet Mask and Default Gateway parameters if your printer is on an inter-network with more than 1 segment. These parameters are optional if you are not communicating to your printer over a WAN.

Configure your web browser

This procedure configures your web browser software to connect to your printer on the network.

1. Consult **Appendix B: Set an IP Address** and assign your printer a TCP/IP address.
2. Perform the procedure in **Appendix A: Print a Configuration Sheet** and retain the page for the steps below.
3. Launch your web browser software.
4. Enter your printer's TCP/IP address from your Configuration Sheet into the **Address** or **Location** field on your browser (this name is browser-dependent). Press **[Enter]**.
5. Your browser connects to the embedded web server on your printer and display the printer's "Home Page."
6. Once you have established communication with your printer, be sure to save the URL in your Favorites, or Bookmarks (this name is also browser-dependent), so you can quickly reconnect when necessary.

Note

To make it easier for browser software to find the printer, be sure to update your DNS or NIS to include the printer.

Appendix A: Print the Configuration Sheet

It is important to print a Configuration Sheet for proper setup of the printer on the network. The information is used to verify NIC address, verify enabled printer options, to check printer IP address, to check the print server name in the case of a Novell network, and to verify the AppleTalk name or zone if used in an AppleTalk network. The default settings are suitable for most applications.

For Phaser networked printers

To print the Configuration Sheet from the Printer's Control Panel:

Note

If you change any settings, print another Configuration Sheet to verify that the changes were made.

1. Press **Menu Up** or **Menu Down** until you see:

Menus

Print Menu

2. Press **Item Up** or **Item Down** until you see:

Print Menu

Config Sheet

3. Press **Enter**. The Configuration Sheet is printed.
4. Review the current settings and make any modifications necessary for your network application.

Appendix B: Set an IP Address

Your printer can be set up on a variety of TCP/IP networks. There are several ways in which your printer can be assigned a TCP/IP address, depending on your network.

Static Addressing	TCP/IP address is assigned manually by the system administrator.
Dynamic Addressing RARP/BOOTP	TCP/IP address is assigned automatically by the server.
Dynamic Addressing DHCP (Dynamic Host Resolution Protocol)	TCP/IP address is assigned automatically by the server.

This appendix contains procedures for each of these methods. Determine which method is used for your network and follow the steps of the appropriate procedure.

For Phaser networked printers

Static addressing

The printer is assigned a TCP/IP address by a network administrator and this address is manually input to the printer. Perform the steps below:

1. Press **Menu Up** or **Menu Down** until you see:
`Menu`
`Ethernet Menu`
2. Press **Item Up** or **Item Down** until you see:
`Ethernet Menu`
`IP Address Res.`
3. Press **Value Up** or **Value Down** until you see:
`IP Address Res. =`
`Static *`
4. Press **Enter**.
5. Press **Item Up** or **Item Down** until you see:
`Ethernet Menu`
`IP Address`
6. Press **Value Up** or **Value Down** until you see:
`IP Address =`
`xxx . xxx . xxx . xxx`
7. Use **Value Up** or **Value Down** to increment the underlined value in the IP Address by 1 each time the key is pressed. Holding down **Value Up** or **Value Down** causes continuous scrolling through the values.
8. Use **Item Up** or **Item Down** to scroll left or right respectively through the positions of the IP Address and repeat Step 4 above until you have completely selected the IP Address.
9. Press **Enter** to set the IP Address after you have completed selecting it.
10. Reset the Printer to have the new settings take effect.

Dynamic addressing (RARP/BOOTP)

The TCP/IP address is assigned automatically by the Server. Follow the steps below:

1. Press **Menu Up** or **Menu Down** until you see:
Menus
Ethernet Menu
2. Press **Item Up** or **Item Down** until you see:
Ethernet Menu
IP Address Res.
3. Press **Value Up** or **Value Down** until you see:
IP Address Res.
BOOTP/RARP
4. Press **Enter**.
5. Update the RARP/BOOTP server's **/etc/bootptab** files with the printer's hardware and IP address. In order to communicate with the printer using the hostname rather than the IP address, update the **/etc/hosts** file with the printer's IP address and hostname (IP hostname from the configuration sheet). You can also update the **/etc/ethers** file using the printer's hardware address and hostname.
6. Power off the Printer.
7. Power the printer on and allow time for an IP address to be assigned by the RARP/BOOTP server (this time may vary depending on network traffic).
8. Perform the steps contained in the section of this document entitled **Appendix A: Print the Configuration Sheet**.
9. Obtain the TCP/IP address from the Configuration Sheet.

Dynamic addressing (DHCP)

The TCP/IP address is assigned automatically by the server.

1. Press **Menu Up** or **Menu Down** until you see:
Menus
Ethernet Menu
2. Press **Item Up** or **Item Down** until you see:
Ethernet Menu
IP Address Res.
3. Press **Value Up** or **Value Down** until you see:
IP Address Res.
DHCP
4. Press **Enter**.
5. Power off the printer.
6. Power the printer on and allow time for an IP address to be assigned by the DHCP server (this time may vary depending on network traffic).
7. Perform the steps contained in the section of this document entitled **Appendix A: Print the Configuration Sheet**.
8. Obtain the TCP/IP address from the Configuration Sheet.
9. Update the lease time, if necessary, depending on your printer-usage patterns.

Note

If your network is using this protocol to assign TCP/IP addresses, be aware that the lease on the assigned address can run out if your printer is taken off the network for longer than the allocated lease time.

THE DOCUMENT COMPANY
XEROX

www.xerox.com/officeprinting

7 2 1 P 5 7 8 2 0