HP DeskJet 970C Series Printer Network Guide for Windows

English
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Using Your Printer on a Network

Your HP DeskJet Printer can be shared over a network in three different ways:

- **Locally Shared:** Share your printer from a network-connected computer by enabling printer sharing on your computer. See “Locally Shared Printer Connection” on page 5.

- **Peer-to-Peer:** Connect your printer to a network via an HP JetDirect External Print Server. See “Peer-to-Peer Connection” on page 15.

- **Client Server Network Connection:** Connect your printer to a network via an HP JetDirect External Print Server. Clients print through a Windows NT or NetWare server. See “Client Server Network Connection” on page 17.
Using Your Printer on a Network

Setting Up Your Printer

To share your printer on a network, you must connect the printer to your network using one of the methods listed on page 1. Before you set up your printer, check that your computer is fully set up, operational, and meets the minimum system requirements listed in “System Requirements” in your HP DeskJet Printer User’s Guide for Windows. To set up your printer:

1 Attach Automatic Two-Sided Printing Module

   a  Turn knob on printer’s Rear Access Door counter-clockwise and remove door.

   b  Insert module into back of printer.
Using Your Printer on a Network

2 Connect Parallel Cable to Host Computer or an HP JetDirect External Print Server

- **Locally Shared:** Connect your printer to the parallel port of the host computer. See “Locally Shared Printer Connection” on page 5 for details.

- **Peer-to-Peer:** Connect your printer to the parallel port of an HP JetDirect External Print Server on your network. See “Peer-to-Peer Connection” on page 15 for details, and consult your print server documentation for help setting up the print server.

- **Client Server Network Connection:** Connect your printer to the parallel port of an HP JetDirect External Print Server, and share the printer from a Windows NT 4.0 or NetWare 3.12, 4.11, or 5.0 server on your network. See “Client Server Network Connection” on page 17 for details.

3 Plug in Electrical Power Cord
Using Your Printer on a Network

4 Load White Paper

5 Insert Print Cartridges

a Press Power Button to turn on printer.

b Remove vinyl tape from print cartridges. Do NOT touch or remove copper strip on print cartridges.

c Open top cover, then insert print cartridges.

d Close latches, then close top cover. Printer will print a calibration page.

**Note:** The part numbers for your two print cartridges are:

- Black HP 51645 Series
- Tri-Color HP C6578 Series
2 Locally Shared Printer Connection

In the locally shared configuration, the printer is connected directly to the parallel port of a selected computer that functions as a host to other computers on the network. To locally share your printer, the printer software must be installed on the host computer and on each client computer.

Setting Up a Locally Shared Printer

1. Set up the printer. See “Setting Up Your Printer” on page 2.

2. Install the printer software on the host computer, and share your printer on the network. See the table below to find instructions for your operating system.

3. Install the printer software on each of the client computers. See the table below to find instructions for your operating system.

Operating Systems for the Locally Shared Connection

Installation instructions for the supported operating systems can be found on page:

<table>
<thead>
<tr>
<th>Supported OS</th>
<th>Host</th>
<th>Client</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows 95 and Windows 98</td>
<td>See page 6</td>
<td>See page 10</td>
</tr>
<tr>
<td>Windows NT 4.0</td>
<td>See page 8</td>
<td>See page 10</td>
</tr>
<tr>
<td>Windows 3.11</td>
<td>See page 9</td>
<td>See page 14</td>
</tr>
</tbody>
</table>

Note: Do not have any peripheral devices, such as scanners, switch boxes, backup units, etc. installed between the printer and the computer.
Locally Shared Printer Connection

Setting Up Windows 95 and Windows 98 Hosts

Preparing your Computer to Share Your Printer on the Network
1. Turn on the host computer and the printer.
2. Select Start ➔ Settings ➔ Control Panel.
3. Double-click the Network control panel.
4. Click the File and Print Sharing button.
5. If it is not already checked, check I want to be able to allow others to print to my printer(s).
6. Click OK to close the File and Print Sharing dialog box, then click OK to close the Network dialog box.
   If prompted, restart Windows.

Installing Printer Software on a Windows 95 or Windows 98 Host

Note: Close any virus protection programs or other software programs that are open and running on the computer, except the HP DeskJet Installer and Windows Explorer or Program Manager.

1. Select Start ➔ Settings ➔ Printers from the Taskbar.
2. Double-click Add Printer, then click Next.
3. Choose Local Printer as the printer connection, then click Next.
4. Click the Have Disk button, and insert the HP DeskJet 970C Series Printer Software CD into your CD-ROM drive.
   Note: If the CD-ROM autoplays and starts an installation program, exit that program before continuing.
Locally Shared Printer Connection

5 In the Install From Disk dialog box, click Browse, then browse to the HPDJ.INF file on the CD for your desired language and your PC's operating system. See the language code chart on page 21.

Example: To select the HPDJ.INF file for the English language and the Windows 95 or Windows 98 operating system, browse `enu\9xinf\HPDJ.INF`.

6 Click OK to close the Open dialog box, then click OK to close the Install From Disk dialog box, then click Next.

7 Select the printer port from the Available ports dialog box (LPT1 is the recommended choice), then click Next.

8 You can enter a name for your printer, but the default name is recommended. If you want to use this printer as your default printer, click Yes.

9 Click Finish to complete the installation of the HP DeskJet printer software. If prompted, restart Windows.

Sharing Your Printer on the Network

1 Select Start ➨ Settings ➨ Printers from the Taskbar.

2 Right-click the HP DeskJet 970C Series printer icon and choose Sharing from the pop-up menu.

3 Select Shared As and enter the name you want to use for your printer on the network. Use a name of eight characters or less. If you want to restrict access to your printer, enter a password in the Password field; users will need to enter this password in order to print to your printer.

Note: See your Windows 95 or Windows 98 documentation for more information about sharing your printer.

4 Click OK.
Locally Shared Printer Connection

Setting Up Windows NT 4.0 Hosts

1 Turn on the host computer and the printer.

2 Select Start ➦ Settings ➦ Printers from the Taskbar.

3 Double-click Add Printer, choose My Computer as the printer connection, then click Next.

4 Select the printer port from the Available ports dialog box (LPT1 is the recommended choice), then click Next.

5 Click the Have Disk button, and insert the HP DeskJet 970C Series Printer Software CD into your CD-ROM drive.

6 In the Install From Disk dialog box, click Browse, then browse to the HPDJINF file on the CD for your desired language and your computer’s Windows operating system. See the language code chart on page 21.

**Example:** To select the HPDJINF file for the English language and the Windows NT 4.0 operating system, browse en
t4inf\HPDJINF.

7 Click Open, then click OK, then click Next.

**Note:** To install the printer software on a Windows NT 4.0 system, you must have administrator privileges.

**Note:** Close any virus protection programs or other software programs that are open and running on the computer, except the HP DeskJet Installer and Windows Explorer or Program Manager.

**Note:** If the CD-ROM autoplays and starts an installation program, exit that program before continuing.
Locally Shared Printer Connection

8 Enter a name for the printer (the default name is recommended), then click Next.

9 Click Shared and enter a Share Name for the printer.
   Use a name of eight characters or less.
   
   **Note:** You can copy Windows 95 and Windows 98 printer software to your host at this time to facilitate a Point and Print installation. See the Language Codes chart on page 21 to select the correct printer software that you want to copy.

10 Choose whether to print a test page, then click Finish.

11 If prompted, restart Windows.

Setting Up Windows 3.11 Hosts

Installing Printer Software on the Windows 3.11 Host

1 Turn on the host computer and the printer.

   **Note:** Close any virus protection programs or other software programs that are open and running on the computer, except the HP DeskJet Installer and Windows Explorer or Program Manager.

2 Insert the HP DeskJet 970C Series Printer Software CD into your CD-ROM drive, and select File ➔ Run in the File Manager.

3 If your CD-ROM drive is drive D, enter D:\setup.exe. If your CD-ROM drive is not drive D, enter [Your drive letter]:\setup.exe.

4 Click OK.

5 Follow the on-screen instructions to install your printer software.
Locally Shared Printer Connection

Sharing Your Printer on the Network

1 Go to the Main Program Group, and double-click Print Manager.

2 Select the HP DeskJet 970C Series printer icon, Choose Share This Printer As from the Printer menu.

3 Choose your printer from the Printer pop-up menu.

4 Enter a Share Name for your printer.

Installing Printer Software on Each Client Computer

Make sure you have installed printer software on the host and shared the printer before you install printer software on the client.

When you are installing a locally shared printer on the client computers, you have two options:

- **Point and Print Installation** (See page 11): This option is only available on Windows 95, Windows 98, and Windows NT 4.0 clients, but is quicker to set up than the Add Printer Installation.

- **Add Printer Installation** (See page 12): This option is the most compatible with different operating systems, but not as quick to set up as the Point and Print Installation.

**Note:** If your host is a Windows NT 4.0 server, and you installed printer software for other operating systems on your host (see the note on page 9), you can use the Point and Print installation to install printer software directly from the host computer on client computers running Windows 95, Windows 98, or Windows NT 4.0.
Locally Shared Printer Connection

Option 1: Point and Print Installation

The Point and Print installation is only available on Windows 95, Windows 98, and Windows NT 4.0 clients, but is quicker to set up than the Add Printer Installation.

1. Select **Start** ➔ **Find** ➔ **Computer** from the Taskbar.

2. Enter the name of the computer where the printer software is installed and click **Find Now**.

3. Double-click the computer icon.

4. Double-click on the name of the shared HP DeskJet 970C Series printer.

5. When asked if you want Windows to set up the printer and continue this operation, click **Yes**.

6. Follow the on-screen instructions to finish setting up the printer.

**Note:** For additional Point and Print installation options, consult your Windows 95, Windows 98, or Windows NT documentation.
Locally Shared Printer Connection

Option 2: Add Printer Installation

The Add Printer Installation is the most compatible with different operating systems, but not as quick to set up as the Point and Print Installation.

Installing Printer Software on Windows 95 or Windows 98 Clients

1. Select Start ➔ Settings ➔ Printers from the Taskbar.

2. Double-click Add Printer, then click Next.

3. Choose Network printer as the printer connection, then click Next.

4. Enter the path or queue name of the printer. For example, type:\HostComputerName\PrinterName or \ServerName\QueueName, then click Next.

   or

   Click Browse to browse the Network Neighborhood to locate the print server and printer, then click Next.

5. Click the Have Disk button, and insert the HP DeskJet 970C Series Printer Software CD into your CD-ROM drive.

   **Note:** If the CD-ROM autoplays and starts an installation program, exit that program before continuing.

6. In the Install From Disk dialog box, click Browse, then browse to the HPDJ.INF file on the CD for your desired language and your PC’s operating system.

   **Example:** To select the HPDJ.INF file for the English language and the Windows 95 or Windows 98 operating system, browse enu\9xinf\HPDJ.INF.

7. Click OK to close the Open dialog box, then click OK to close the Install From Disk dialog box, then click Next.

8. Either accept the default printer name (the default printer name is recommended) or enter a printer name for the network printer on your computer, then click Finish.
Locally Shared Printer Connection

Installing Printer Software on Windows NT 4.0 Clients

**Note:** To install the printer software on a Windows NT 4.0 system, you must have administrator privileges.

1. Select **Start ➔ Settings ➔ Printers**.
2. Double-click **Add Printer**, then click **Next**.
3. Choose **Network printer server** as the printer connection, then click **Next**.
4. Enter the path or queue name of the printer. For example, type:
   
   ```\HostComputerName\PrinterName or \ServerName\QueueName```
   
   or

   Browse the **Shared Printers** list box to locate the print server and printer.

   **Note:** If the host computer is not a Windows NT 4.0 computer, you will need to install the printer software from the printer software CD or from a shared network drive.

5. Choose whether or not to set the new printer as your default printer, then click **Next**, then click **Finish**.

6. If prompted, restart Windows.
Locally Shared Printer Connection

Installing the Printer Software on Windows 3.11 Clients

If you copied the Windows 3.11 printer software to your network:
(You should have copied your Windows 3.11 printer software to a network location. See page 21 for details.)

1. Select Run from the Program Manager File menu.
2. Navigate to the Windows 3.11 printer software directory on your server.
3. Double-click setup.exe and follow the on-screen instructions.

or

If you did not copy the Windows 3.11 printer software to your network:

1. Insert the HP DeskJet 970C Series Printer Software CD into your CD-ROM drive and select Run from the Program Manager File menu.
2. If your CD-ROM drive is drive D, enter D:\setup.exe, and click OK. If your CD-ROM drive is not drive D, enter [Your drive letter]\setup.exe, and click OK.

Then:

1. When prompted for the printer name and port, select the LPT1 port.
2. Click OK and complete the installation.
3. If prompted, restart Windows.
4. Double-click Printers from the Control Panel.
5. Select the HP DeskJet 970C Series printer and click Connect.
6. Choose the port to which the printer is connected.
7. Click Network, then browse to the queue name or share name of the server. To set up the printer as a permanent network printer on your system, check the Permanent box.
8. Click Connect.
3 Peer-to-Peer Connection

In a peer-to-peer direct network configuration, the printer is directly connected to the network via an HP JetDirect External Print Server, and each computer on the network sends print jobs directly to the HP JetDirect External Print Server.

Operating Systems and Print Servers for the Peer-to-Peer Connection

The following print servers and client operating systems are supported:

<table>
<thead>
<tr>
<th>Operating Systems</th>
<th>Print Servers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows 95</td>
<td>HP JetDirect 170X</td>
</tr>
<tr>
<td>Windows 98</td>
<td>HP JetDirect 300X</td>
</tr>
<tr>
<td>Windows NT 4.0</td>
<td></td>
</tr>
</tbody>
</table>

Setting Up a Peer-to-Peer Printer Connection

1. Set up the printer.
   Follow the instructions in Steps 1 through 5, starting on page 2. In Step 2, on page 3, connect the printer to the HP JetDirect External Print Server with a parallel cable.

2. Set up the HP JetDirect External Print Server.
   Install and configure the HP JetDirect External Print Server according to the instructions provided with the print server.

3. Install the HP DeskJet 970C Series printer software on each of the clients. See page 16 for instructions for your operating system.
Peer-to-Peer Connection

Installing the Printer Software on Each of the Clients

Windows 95 and Windows 98 Client Computers

1 Install the HP JetDirect port software on each client according to the instructions included with the print server.

2 Follow the instructions in “Installing Printer Software on a Windows 95 or Windows 98 Host” (steps 1 through 9, starting on page 6). In Step 7, on page 7, select the port you configured when you set up the HP JetDirect External Print Server.

Windows NT 4.0 Client Computers

1 Install the HP JetDirect port software on each client according to the instructions included with the print server.

2 Follow the instructions in “Installing Printer Software on a Windows NT 4.0 Host” (steps 1 through 11, starting on page 8). In Step 4, on page 8, select the port you configured when you set up the HP JetDirect External Print Server.
Client Server Network Connection

In the client server connection, you connect your HP DeskJet 970C Series printer to the network with an HP JetDirect External Print Server. Clients print to the Windows NT 4.0 or NetWare 3.12, 4.11, or 5.0 server that is serviced by the HP JetDirect External Print Server.

Operating Systems for the Client Server Connection

Installation instructions for the supported operating systems can be found on page:

<table>
<thead>
<tr>
<th>Server Operating Systems</th>
<th>Client Operating Systems</th>
</tr>
</thead>
</table>

Setting Up a Client Server in Windows NT 4.0

1. Set up the printer.
   Follow the instructions in Steps 1 through 5, starting on page 2. In Step 2, on page 3, connect the printer to the HP JetDirect External Print Server with a parallel cable.

2. Set up the HP JetDirect External Print Server.
   Install and configure the HP JetDirect External Print Server according to the instructions provided with the print server.
Client Server Network Connection

3. Install the printer software on the Windows NT 4.0 server and share your printer on the network. Follow the instructions in Steps 1 through 11, starting on page 8. In Step 4, on page 8, select the port you configured when you set up the HP JetDirect External Print Server.

4. Install the printer software on each of the client computers. See “Installing Printer Software on Each Client Computer” on page 10 to find instructions for your operating system.

Setting Up a Client Server in NetWare

- Refer to Novell’s web site for NetWare printer installation methods and NetWare client software.
- See the documentation that came with your HP JetDirect External Print Server and HP’s web site www.hp.com/go/networkprinting for information on setting up an HP JetDirect External Print Server in a NetWare environment and for additional network printing information.
- You can copy your HP 970C Series printer software to a NetWare drive. See the language code table on page 21 to help you select which languages and operating systems you should copy.
Using Your Printer Software

Use your printer software to control how and what you print through the HP Printer Properties dialog box. Maintain your printer and access an electronic copy of the *HP DeskJet Printer User’s Guide for Windows* through the HP DeskJet Toolbox.

Finding the HP Printer Properties in Windows 95, 98, or NT 4.0

1. From your software program, select **File → Print**.
   Your software program opens a Print dialog box.

2. From the **Print** dialog box, click **Properties**.
   The HP Printer Properties dialog box opens.

   If you need more information on how to get to the HP Printer Properties dialog box, see “Printer Software” in your *HP DeskJet Printer User’s Guide for Windows*.

HP Printer Properties

In the HP Printer Properties dialog box, print quality, paper size and type are just a few of the options available to you at the click of your mouse.

*Note:* You can right-click on any item on the HP Printer Properties dialog box and HP Toolbox to view help related to that item.
Using Your Printer Software

HP Toolbox

Click on the Services tab in the HP Printer Properties dialog box, then click on the Open the HP DeskJet Toolbox button to open the HP Toolbox Printer Services tab.

In the Printer Services tab, you can access an electronic copy of the *HP DeskJet Printer User's Guide for Windows* as well as perform printer maintenance services.

**Note:** When you install your printer on a network, your HP Printer Properties dialog box has a Services tab, which enables you to access your HP DeskJet Toolbox. If you install your printer on a network, you will not have a desktop toolbox and you can only access your printer through the HP Printer Properties dialog box.

Windows 3.11

See “Printing in Windows 3.1x and DOS” in your *HP DeskJet Printer User's Guide for Windows* for information on printer software in the Windows 3.1x environment.
Appendix

Language Codes

If you are doing an “add printer” installation in Windows 95, Windows 98, or Windows NT 4.0, you need to browse to the INF file for your operating system’s language.

- **Windows 95 and Windows 98**: The INF file is in the path: \[CD drive letter\]:\\[language code\\9xinf\\HPDJ.INF
- **Windows NT 4.0**: The INF file is in the path: \[CD drive letter\\\nt4inf\\HPDJ.INF
- **Windows 3.11 Clients**: If you want to copy the Windows 3.11 printer software to a shared network resource for later installation from the network to the client, copy the files from \[CD Drive Letter\\\31\\*.*.

Find the language code for your operating system’s language in the table below.

<table>
<thead>
<tr>
<th>Language</th>
<th>Language code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Czech</td>
<td>csy</td>
</tr>
<tr>
<td>Danish</td>
<td>dan</td>
</tr>
<tr>
<td>Dutch</td>
<td>nld</td>
</tr>
<tr>
<td>English</td>
<td>enu</td>
</tr>
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<td>hun</td>
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<tr>
<td>Italian</td>
<td>ita</td>
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<tr>
<td>Japanese</td>
<td>jpn</td>
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</table>

<table>
<thead>
<tr>
<th>Language</th>
<th>Language code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korean</td>
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<tr>
<td>Norwegian</td>
<td>non</td>
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<td>Portuguese</td>
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<tr>
<td>Thai</td>
<td>tha</td>
</tr>
<tr>
<td>Traditional Chinese</td>
<td>cht</td>
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