

Dell™ Laser Printer 1710/1710n User's Guide

Click the links to the left for information on the features and operation of your printer. For information on other documentation included with your printer, see [Finding Information](#).

To order replacement toner cartridges or supplies from Dell:

1. Double-click the icon on your desktop.






2. Visit Dell's website, or order Dell printer supplies by phone.

www.dell.com/supplies

For best service, have your Dell printer Service Tag number available.

For help locating your Service Tag number, see [Express Service Code and Service Tag](#).

Notes, Notices, and Cautions

-  **NOTE:** A NOTE indicates important information that helps you make better use of your printer.
-  **NOTICE:** A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
-  **CAUTION:** A CAUTION indicates a potential for property damage, personal injury, or death.

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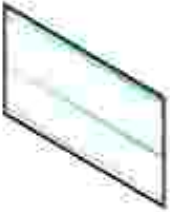


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Model 1710/1710n

May 2005 SRV W4213 Rev. A00

Finding Information

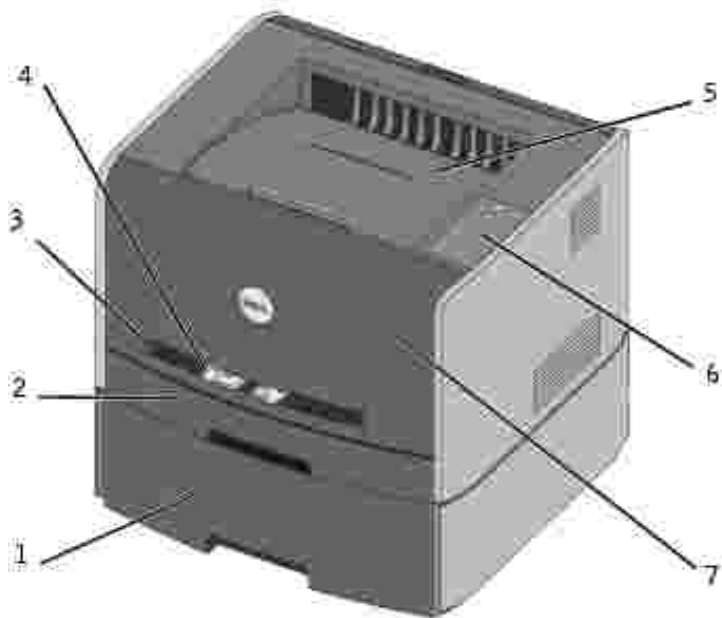
What are you looking for?	Find it here
<ul style="list-style-type: none">• Drivers for my printer• My <i>User's Guide</i>	<p><i>Drivers and Utilities</i> CD</p>  <p>If you purchased your Dell computer and printer at the same time, documentation and drivers for your printer are already installed on your computer. You can use the CD to uninstall/reinstall drivers or access your documentation.</p> <p>Readme files may be included on your CD to provide last-minute updates about technical changes to your printer or advanced technical reference material for experienced users or technicians.</p>
How to set up my printer	<p><i>Setting Up Your Printer</i> poster</p> 
<ul style="list-style-type: none">• Safety information• How to set up and use my printer• Warranty information	<p><i>Owner's Manual</i></p> 
Express Service Code and Service Tag number	<p>Express Service Code and Service Tag</p>  <p>This label is located on the back of your printer.</p>

	<p>Enter the Express Service Code to direct your call when contacting technical support.</p> <p>NOTE: The Express Service Code is not available in all countries.</p>
<ul style="list-style-type: none"> • Latest drivers for my printer • Answers to technical service and support questions • Documentation for my printer 	<p>Dell Support Website - support.dell.com</p> <p>The Dell Support website provides several online tools, including:</p> <ul style="list-style-type: none"> • Solutions - Troubleshooting hints and tips, articles from technicians, and online courses • Upgrades - Upgrade information for components, such as memory • Customer Care - Contact information, order status, warranty, and repair information • Downloads - Drivers • Reference - Printer documentation and product specifications
<ul style="list-style-type: none"> • How to use Windows XP • Documentation for my printer 	<p>Windows XP Help and Support Center</p> <ol style="list-style-type: none"> 1. Click Start→Help and Support. 2. Type a word or phrase that describes your problem, and then click the arrow icon. 3. Click the topic that describes your problem. 4. Follow the instructions shown on the screen.

About Your Printer

- [Understanding Your Printer](#)
 - [Using the Operator Panel Buttons](#)
 - [Printing the Printer Settings Configuration Sheet](#)
 - [Choosing the Right Cable](#)
-

Understanding Your Printer







1	Optional 550-sheet tray	5	Output bin
2	Tray 1	6	Operator panel
3	Manual feed slot	7	Front cover
4	Paper guide		

Using the Operator Panel Buttons


The operator panel has five lights and two buttons.




- Press and release Continue  to resume printing.
- Press and release Continue  twice quickly to display an error code.
- Press and release Cancel  to cancel the job currently printing.
- Press and hold Cancel  until all of the lights come on to reset the printer.

Printing the Printer Settings Configuration Sheet


To print the Printer Settings Configuration sheet:

1. Turn the printer off.
2. Open the upper front door.
3. Press and hold Continue  as you turn the printer on.

All the lights cycle.

4. Release Continue .
5. Close the upper front door.

The light sequence that represents the Home menu is displayed.

6. Press and release Continue  until all the lights cycle.

A Printer Settings Configuration sheet prints.

Choosing the Right Cable

Your Dell Laser Printer 1710 interconnection cable must meet the following requirements:


Connection	Cable certification
USB	USB 2.0
Parallel	IEEE-1284
10/100BaseT Ethernet	CAT-5E

Preparing the Printer

- [Installing the 550-Sheet Optional Drawer](#)
 - [Installing an Optional Memory Card](#)
-

Installing the 550-Sheet Optional Drawer

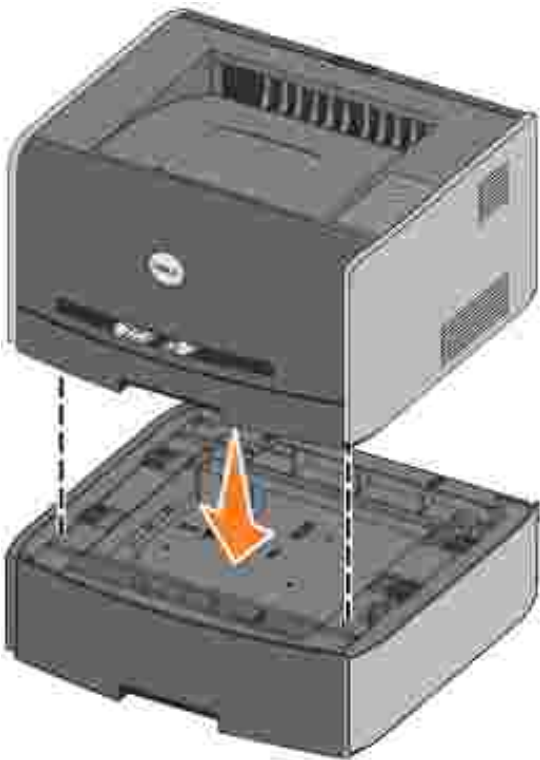
Your printer supports one optional drawer that lets you load up to 550 sheets of paper.

 **CAUTION:** If you are installing a 550-sheet drawer after setting up the printer, turn the printer off, and unplug the power cord before continuing.

1. Unpack the 550-sheet drawer, and remove any packing material.
2. Place the drawer in the location you have chosen for your printer.

 **NOTE:** If you have optional memory to install, leave clearance on the right side of the printer.


3. Align the holes in the printer with the positioning posts on the 550-sheet drawer, and lower the printer into place.



Specifying the media type and size loaded into each tray will help prevent jams. See [Configuring the Paper](#)


[Trays](#) for more information.

Configuring the Paper Trays

 **NOTE:** You must first install the drivers for your printer before configuring the paper trays. See [Setting Up for Local Printing](#) or [Setting Up for Network Printing](#).

Dell Laser Printer 1710/1710n

1. Launch the Dell Local Printer Settings Utility (Start→Programs→Dell Printers→Dell Laser Printer 1710→Dell Local Printer Settings Utility).
2. Select your Dell Laser Printer 1710.
3. Click OK.
4. In the left column, click Paper.
5. In the right column, go to the Tray 1 section. Specify what size and type of media you loaded into tray 1.
6. In the right column, go to the Tray 2 section. Specify what size and type of media you loaded into tray 2.
7. On the Menu Bar, click Actions→Apply Settings.
8. Close the utility.

 **NOTE:** If you change the size or type of media loaded into either tray, use the Local Printer Settings Utility to reconfigure the tray.

9. To update your printer options, follow the instructions in the table.

Windows XP	<ol style="list-style-type: none">1. Click Start→Control Panel→Printers and Other Hardware→Printers and Faxes.2. Right-click the Dell Laser Printer 1710 icon.3. Click Properties→Installed Options→Ask Printer.4. Click OK→OK. Close the Printers folder.
Windows 2000 Windows NT 4.0	<ol style="list-style-type: none">1. Click Start→Settings→Printers.2. Right-click the Dell Laser Printer 1710 icon.3. Click Properties→Installed Options (or Options)→Ask Printer (or Update Now).4. Click OK→OK. Close the Printers folder.
Windows Me Windows 98 SE	<ol style="list-style-type: none">1. Click Start→Settings→Printers.2. Right-click the Dell Laser Printer 1710 icon.3. Click Properties→Device (or Features)→Update (or Update Now).4. Click OK→OK. Close the Printers folder.

If Update or Ask Printer is unavailable, follow these steps:

- a. In the Available Options list, click 550-sheet tray.
- b. Click Add.
- c. Click OK, and then close the Printers folder.

If Update Now or Ask Printer is unavailable, follow these steps:

- a. In the Options list, find 550-sheet tray.
- b. Change the setting from Not Installed to Installed.
- c. Click OK, and then close the Printers folder.

Dell Laser Printer 1710n

Setting the paper size and type for the 1710n printer is done through the Dell Printer Configuration Web Tool.

Use the following steps to change the 1710n printer paper size and type:

1. Type your network printer's IP address in your Web browser.

 **NOTE:** If you do not know what your printer's IP address is, print a network setup page, which lists the IP address. For more information, see [Print and Check the Network Setup Page](#).

2. When the Printer Status page appears, select Printer Settings in the left column.
3. Select Paper Menu from the Printer Settings page.
4. Select PAPER SIZE.
5. Select the paper size you have in each tray.
6. Click Submit.
7. Select Printer Settings in the left column.
8. Select Paper Menu from the Printer Settings page.
9. Select PAPER TYPE.
10. Select the paper type you have in each tray.
11. Click Submit.

Installing an Optional Memory Card

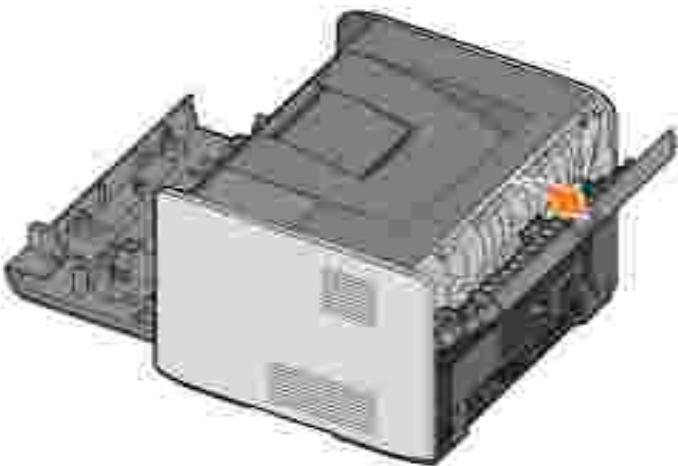
The system board has one connector for an optional memory card. The printer can support up to 128MB (for a total of 160MB for a network printer and 144MB for a non-network printer).

⚠ CAUTION: If you are installing a memory card after setting up the printer, turn the printer off, and unplug the power cord before continuing.

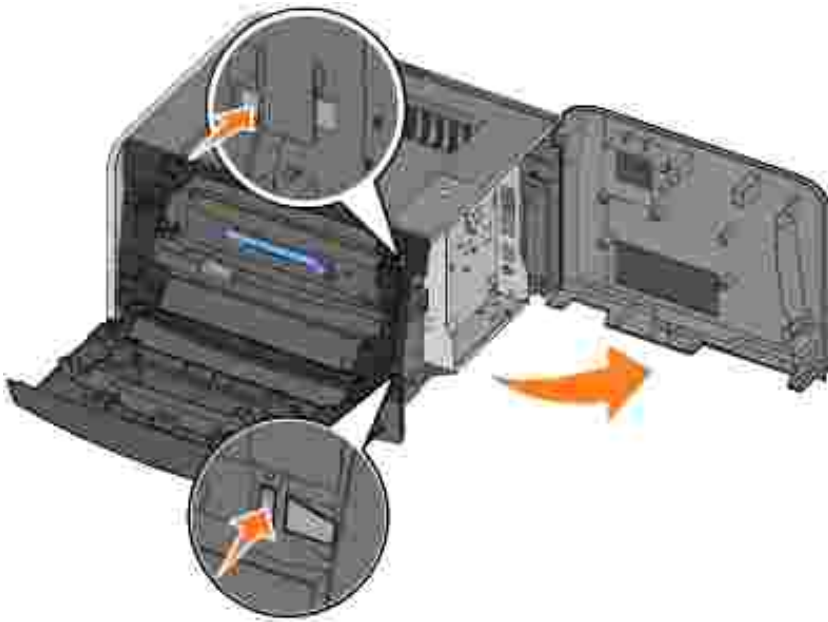
1. Open the front cover by pressing the button on the left side of the printer and lowering the cover.




2. Open the rear exit.

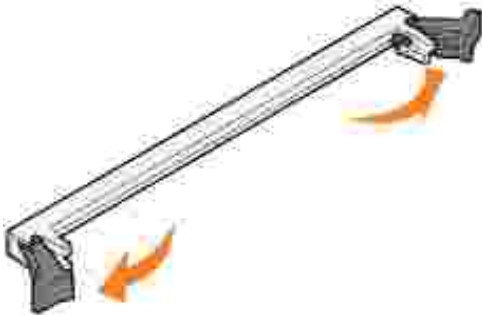


3. Open the side cover by pressing the two detents on the front right side of the machine and swinging the cover back.




4. Push open the latches on both ends of the memory connector.

 **NOTE:** Memory options designed for other printers may not work with your printer.

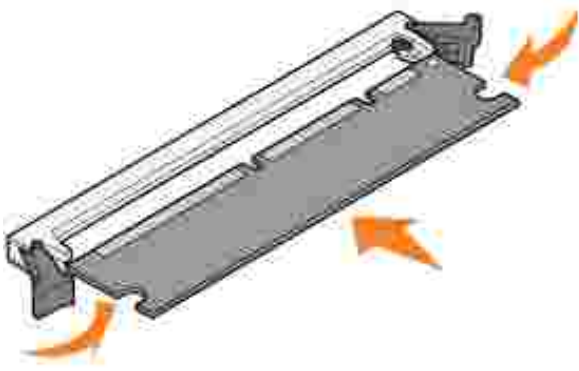


5. Unpack the memory card.

 **NOTICE:** Memory cards are easily damaged by static electricity. Touch something metal, such as the printer frame, before you touch a memory card.

Avoid touching the connection points along the edge of the card.

6. Align the notches on the bottom of the card with the notches on the connector.



7. Push the memory card firmly into the connector until the latches on either end of the connector *snap* into place.

It may require some force to fully seat the card.

8. Make sure each latch fits over the notch on each end of the card.
9. Close the side cover.
10. Close the rear exit.
11. Close the front cover.
12. To update your printer options, follow these instructions:
 - a. For Windows XP, click Start→Control Panel→Printers and Other Hardware→Printers and Faxes.

For all others, click Start→Settings→Printers.
 - b. Right-click the Dell Laser Printer 1710 icon, and then select Properties.
 - c. On the Install Options tab, increase the amount of memory in the Printer Memory (MB) box.
 - d. Click OK.

Loading Paper

- [Loading the 250-Sheet and 550-Sheet Trays](#)
 - [Loading the Manual Feeder](#)
 - [Using the Rear Exit](#)
-

Loading the 250-Sheet and 550-Sheet Trays

Follow these instructions to load paper in the 250-sheet tray and 550-sheet tray.

1. Remove the tray.



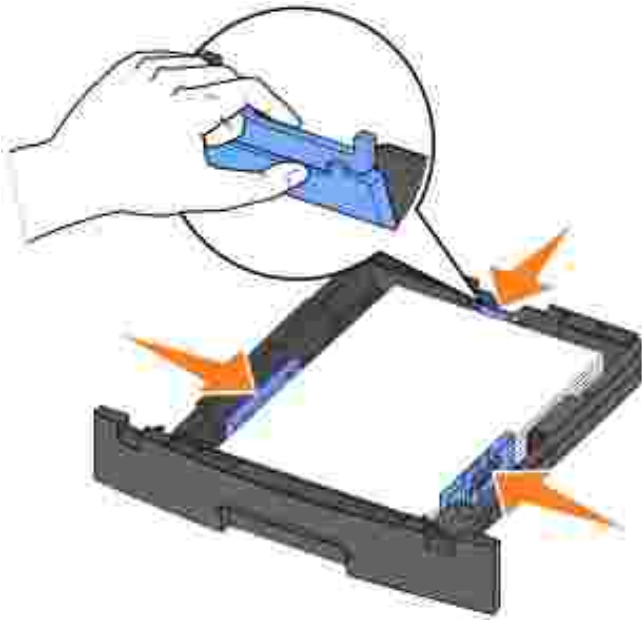
2. Prepare a stack of paper for loading by flexing or fanning it back and forth. Straighten the edges on a level surface.



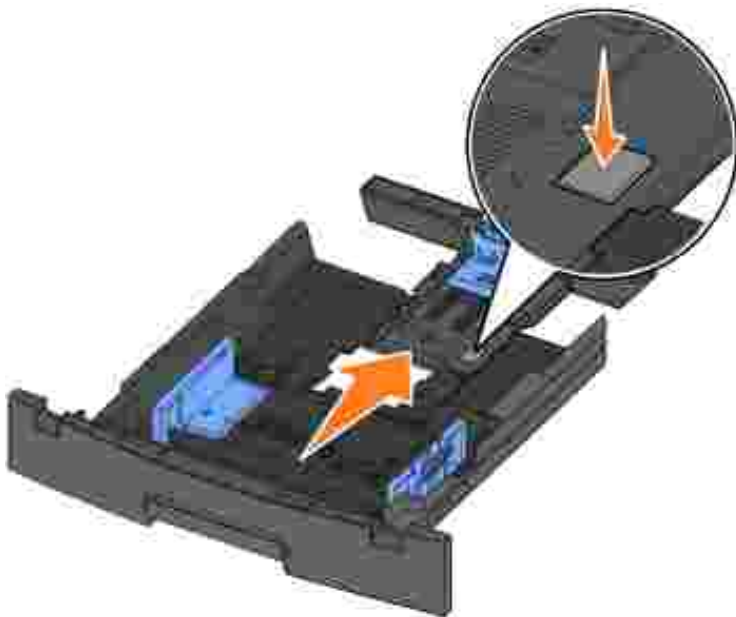
3. Load the paper in the tray with the print side facing down.

Make sure the paper is below the max fill line on the side guides. Overloading may cause jams.

4. Slide the two side guides and the back guide until they fit snugly against the stack of paper.



If you are loading legal or folio size paper, press down on the latch at the back of the tray, and expand the tray until the extender locks into place.



5. Insert the tray.



6. Extend the paper support on the output bin.



Loading the Manual Feeder

The manual feeder is located at the front of your printer and can only feed one sheet of print media at a time. You can use the manual feeder to make quick runs of paper types or sizes that are not currently loaded in the paper tray.

To load the manual feeder:

1. Place a sheet of the selected print media, print side facing up, at the center of the manual feeder, but only to the point where its leading edge can contact the paper guides. Otherwise, the printer will engage the print media too soon and likely skew the print job.

2. Adjust the paper guides to the print media's width.



3. Hold both sides of the print media close to the manual feeder, and push it into the printer until it automatically engages.

There is a brief pause between the time the printer engages the print media and when it feeds into the printer.

NOTICE: Do not force the print media into the feeder. Forcing the media causes jams.

- Insert envelopes with the flap side face down and with the stamp area on the top right side.
- Hold transparencies by the edges and avoid touching the print side. Oils from your fingers that are deposited on the transparency can affect print quality.
- Load letterhead face-up, with the top of the sheet entering the printer first.
- If you experience problems with paper feed, turn the paper around.

Using the Rear Exit

The single-sheet rear exit provides a straight-through paper path to help reduce curling and potential jams. This is especially useful for special media, such as transparencies, envelopes, labels, card stock, or index cards.

To use the rear exit, open the rear exit door. When the rear exit door is open, all print media comes out the rear exit. When closed, all media is sent to the output bin on top of the printer.



Setting Up for Local Printing

A local printer is a printer attached to one computer using a USB or parallel cable. *If your printer is attached to a network instead of your computer, go to [Setting Up for Network Printing](#).*

A printer driver is software that lets your computer communicate with your printer.

If you purchased your Dell printer and computer together, the printer drivers and utilities described in the [Software Overview](#) are automatically installed-you are ready to print!


If you purchased your Dell printer separately, use the *Drivers and Utilities* CD to install all the features described in the [Software Overview](#). Use the following table to find the instructions you need for your operating system.

Computer operating system
Using Windows XP Professional x64 With a USB or Parallel Cable
Using Windows XP With a USB or Parallel Cable
Using Windows 2003 Server With a USB or Parallel Cable
Using Windows 2000 With a USB or Parallel Cable
Using Windows NT With a Parallel Cable
Using Windows Me With a USB or Parallel Cable
Using Windows 98 SE With a USB or Parallel Cable
Using Macintosh OS 9.2 and OS 10.2

You need to complete Microsoft's Plug and Play before installing the custom driver from your printer drivers CD.

For Linux users, refer to the documentation included on the *Drivers and Utilities* CD for installation instructions. To access the documentation, browse to the unix\docs folder on the CD.

Using Windows XP Professional x64 With a USB or Parallel Cable

 **NOTE:** Windows XP Professional x64 requires that you have administrative access to install printer drivers on your computer.

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD into your computer.

The Wizard automatically searches for an appropriate driver.

2. Scroll through the list of drivers until you see D:\Drivers\Print\x64\dkaayb40.inf selected in the Location column. Instead of D:\ you will see the letter of your CD-ROM drive.
3. Click Next.

The wizard copies all of the necessary files and installs the printer drivers.

4. Click Finish when the software is installed.
5. The *Drivers and Utilities* CD should launch the installation software automatically.


If the CD does not automatically launch, click Start→Run, type D:\setup.exe (where D is the drive letter of your CD), and then click OK.

6. When the *Drivers and Utilities* CD screen appears, click Personal Installation - I install the printer for use on this computer only to install the additional software for your printer.
7. Select your printer from the drop-down box.
8. Select Typical Installation (recommended), and then click Install.

When all of the files are installed on your computer, the Congratulations screen appears.

9. Click Print a Test Page to verify printer setup.
10. Click Finish to exit when the test page prints successfully.

Using Windows XP With a USB or Parallel Cable

 **NOTE:** Windows XP Professional requires that you have administrative access to install printer drivers on your computer.

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD into your computer.

The Wizard automatically searches for an appropriate driver.

2. Scroll through the list of drivers until you see D:\Drivers\Print\Win_2kXP\dkaay2da.inf selected in the Location column. Instead of D:\ you will see the letter of your CD-ROM drive.
3. Click Next.

The wizard copies all of the necessary files and installs the printer drivers.

4. Click Finish when the software is installed.
5. The *Drivers and Utilities* CD should launch the installation software automatically.

If the CD does not automatically launch, click Start→Run, type D:\setup.exe (where D is the drive letter of your CD), and then click OK.

6. When the *Drivers and Utilities* CD screen appears, click Personal Installation - Install the printer for use on this computer only to install the additional software for your printer.
7. Select your printer from the drop-down box.
8. Select Typical Installation (recommended), and then click Install.

When all of the files are installed on your computer, the Congratulations screen appears.

9. Click Print a Test Page to verify printer setup.
 10. Click Finish to exit when the test page prints successfully.
-

Using Windows 2003 Server With a USB or Parallel Cable

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD into your computer.

The Wizard automatically searches for an appropriate driver.

2. Scroll through the list of drivers until you see D:\Drivers\Print\Win_2kXP\dkaay2da.inf selected in the Location column. Instead of D:\ you will see the letter of your CD-ROM drive.
3. Click Next.

The wizard copies all of the necessary files and installs the printer drivers.

4. Click Finish when the software is installed.
5. The *Drivers and Utilities* CD should launch the installation software automatically.

If the CD does not automatically launch, click Start→Run, type D:\setup.exe (where D is the drive letter of your CD), and then click OK. When the File Download screen appears, click Open.

6. When the *Drivers and Utilities* CD screen appears, click Personal Installation - Install the printer for use on this computer only to install the additional software for your printer.

7. Select your printer from the drop-down box.
8. Select Typical Installation (recommended), and then click Install.

When all of the files are installed on your computer, the Congratulations screen appears.

9. Click Print a Test Page to verify printer setup.
 10. Click Finish to exit when the test page prints successfully.
-

Using Windows 2000 With a USB or Parallel Cable

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD, and then click Next.
2. Select Search for a suitable driver, and then click Next.
3. Select Specify a location only, and then click Next.
4. Browse to the location of the printer driver on the *Drivers and Utilities* CD.

D:\Drivers\Print\Win_2kXP\

Replace D:\ with the letter of your CD-ROM drive (for example, type D:\ where *D* is the drive letter of your CD).

5. Click Open, and then click OK.
6. Click Next to install the driver that is displayed.

D:\Drivers\Print\Win_2kXP\dkaay2da.inf

7. Click Finish when the software is installed.
8. The *Drivers and Utilities* CD should launch the installation software automatically.


If the CD does not automatically launch, click Start→Run, type D:\setup.exe (where D is the drive letter of your CD), and then click OK.

9. When the *Drivers and Utilities* CD screen appears, click Personal Installation - I install the printer for use on this computer only to install the additional software for your printer.
10. Select your printer from the drop-down box.
11. Select Typical Installation (recommended), and then click Install.

When all of the files are installed on your computer, the Congratulations screen appears.

12. Click Print a Test Page to verify printer setup.
 13. Click Finish to exit when the test page prints successfully.
-

Using Windows NT With a Parallel Cable


 **NOTE:** You need administrative access to install printer drivers on your computer.

1. Insert the *Drivers and Utilities* CD.
2. When the *Drivers and Utilities* CD screen appears, click Personal Installation - Install the printer for use on this computer only to install the additional software for your printer.
3. Select your printer from the drop-down box.
4. Select Typical Installation (recommended), and then click Install.

When all of the files are installed on your computer, the Congratulations screen appears.

5. Click Finish to exit the *Drivers and Utilities* CD screen.
-

Using Windows Me With a USB or Parallel Cable

 **NOTE:** Depending on the software and printers already installed on your computer, your screens may vary from those in the instructions.

If you are connecting the printer using a USB cable, you must install both a USB port driver and a custom print driver.

When you attached the cable and turned on the printer and computer, the Add New Hardware Wizard screen appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD.

If you are using a USB cable, the Wizard automatically searches for the USB driver on the CD and installs it.

If you are using a parallel cable, skip to [step 3](#).

2. After the USB port driver is found, click Finish.
3. Select Automatic search for the best driver (recommended), and then click Next.

The wizard searches for a printer driver.

4. Select **D:\Drivers\Print\Win_9xme\<your language folder>\dkaay2da.inf** from the list on the screen (where *D* is the drive letter of your CD), and then click OK.
5. Click Next to install the printer driver.
6. Click Next to complete installation.
7. Use the default printer name (for example, Dell Laser Printer 1710) or type a unique name for your printer, and then click Next.
8. Click Yes (recommended), and then click Finish to print a test page.
9. After the test page prints, click Yes to close the window.
10. Click Finish to complete the installation and close the wizard.
11. The *Drivers and Utilities* CD should launch the installation software automatically.


If the CD does not automatically launch, click Start→Run, type **D:\setup.exe** (where *D* is the drive letter of your CD), and then click OK.

12. When the *Drivers and Utilities* CD screen appears, click Personal Installation - Install the printer for use on this computer only to install the additional software for your printer.
13. Select your printer from the drop-down box.
14. Select Typical Installation (recommended), and then click Install.

When all of the files are installed on your computer, the Congratulations screen appears.

15. Click Finish to exit the *Drivers and Utilities* CD screen.

Using Windows 98 SE With a USB or Parallel Cable

 **NOTE:** Depending on the software and printers already installed on your computer, your screens may vary from those in the instructions.

If you are connecting the printer using a USB cable, you must install both a USB port driver and a custom print driver.

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD, and then click Next.
2. Select Search for a suitable driver, and then click Next.
3. If you are using a USB cable, select CD-ROM drive *only*, and then click Next.

If you are using a parallel cable, skip to [step 8](#).

4. After the wizard finds the USB port driver, click Next.
5. When the USB port driver is installed, click Finish.

The wizard prompts you to search for new drivers.

6. Click Next to search for a printer driver.
7. Select Search for a suitable driver, and then click Next.
8. Select Specify a location only, and then click Next.
9. Browse to the location of the printer driver on the *Drivers and Utilities* CD.

D:\Drivers\Print\Win_9xme\<<your language folder>\dkaay2da.inf

10. Highlight the driver, and then select to install the updated driver (recommended).
11. Click Next.
12. Click Next to complete installation.
13. Use the default printer name (for example, Dell Laser Printer 1710) or type a unique name for your printer, and then click Next.
14. Select Yes to print a test page, and then click Finish.

All the necessary files are installed on your computer.

15. After the test page prints, click Yes to close the message window.
16. Click Finish to complete the installation.
17. The *Drivers and Utilities* CD should launch the installation software automatically.

If the CD does not automatically launch, click Start→Run, type D:\setup.exe (where D is the drive letter of your CD), and then click OK.

18. When the *Drivers and Utilities* CD screen appears, click Personal Installation - Install the printer for use on this computer only to install the additional software for your printer.
19. Select your printer from the drop-down box.
20. Select Typical Installation (recommended), and then click Install.

When all of the files are installed on your computer, the Congratulations screen appears.

21. Click Finish to exit the *Drivers and Utilities* CD screen.
-

Using Macintosh OS 9.2 and OS 10.2

The most current drivers for Macintosh are available for download on Dell's website.

1. Go to support.dell.com, and click Small Business.
2. Under Product Support, click Downloads & Drivers.
3. From the Product Model drop-down list, select Printer, and then select 1710n (Network Laser).
4. Click the arrow icon.
5. From the Select Your Download Category drop-down list, select Printer Drivers.
6. From the Select an Operating System drop-down list, select Not Applicable.
7. From the Select an Operating System Language drop-down list, select your language.
8. Click Submit.
9. Under Printer Drivers, select your printer from the list.
10. Under Driver, select your printer driver from the list.
11. Click on the driver filename.
12. Select Download Now Using HTTP or Download Now Using FTP.
13. Click on I agree.
14. Select Save to Disk, and then click OK.
15. Select a location, and then click Save.
16. Browse to the file on your computer, and double-click it to launch the installation software.
17. When the installation software launches, click Continue.
18. Proceed through the software installation screens.



Setting Up for Network Printing

- [Direct Attachment With a Network Cable \(Using a Print Server\)](#)
 - [Direct Attachment With a Network Cable \(No Print Server\)](#)
 - [Local Attachment With a USB or Parallel Cable \(Using a Print Server\)](#)
 - [Shared Printing](#)
-

Direct Attachment With a Network Cable (Using a Print Server)

A print server is any designated computer that centrally manages all client print jobs. If you are sharing your printer in a small workgroup environment and want to control all print jobs on the network, follow these instructions to attach the printer to a print server.

Print and Check the Network Setup Page

1. When the Ready/Data light  is on solid, press and release Continue  to print a menu settings page and a network setup page.
2. Under the Standard Network Card heading on the network setup page, make sure Status is Connected.

If Status is Not Connected:

- o Make sure the Ethernet cable is firmly plugged into the back of the printer.
 - o Plug the Ethernet cable into another wall outlet.
3. Under the "TCP/IP" heading on the network setup page, make sure the IP address, netmask, and gateway are what you expected.
 4. Ping the printer and verify that it responds. For example, at a command prompt on a network computer, type ping followed by the new printer IP address (for example, 192.168.0.11):

```
ping xxx.xxx.xxx.xxx
```

If the printer is active on the network, you will receive a reply.


5. If your printer doesn't respond, or if the IP address is not what you expected:
 - a. Insert the *Drivers and Utilities* CD into your computer.
 - b. The *Drivers and Utilities* CD should launch the installation software automatically.

If the CD does not automatically launch, click Start→ Run, type **D:\setup.exe** (where D is the drive letter of your CD), and then click OK.

- c. When the *Drivers and Utilities* CD screen appears, click Set IP Address Utility.
- d. Select your printer from the "Configure Print Servers" list, and then click TCP/IP Settings.
- e. Make the necessary changes, and then click OK.
- f. Click Close.
- g. Print and check the network setup page to verify your changes.

Disable Windows XP Firewall

If your printer is connected directly to a network and the Windows XP firewall is enabled, you cannot view your networked printer(s) when you run the printer installation software. To prevent this situation, disable the Windows XP firewall before you install the printer software. To disable or enable your XP firewall, perform the following steps.

 **NOTICE:** Dell recommends that you enable your Windows XP firewall after you install the printer software. Enabling the Windows XP firewall after you install the printer software does not limit the use of your network printer.

1. Click the Start→ Help and Support.
2. In the Search box, type `firewall`, and then click the green arrow.
3. In the Pick a Task list, click Enable or disable Internet Connection Firewall, and then follow the instructions on the screen.

After you have disabled the Windows XP firewall, continue with printer installation.

Run the Installation Software

1. Insert the *Drivers and Utilities* CD into your computer.
2. The *Drivers and Utilities* CD should launch the installation software automatically.

If the CD does not automatically launch, click Start→Run, type `D:\setup.exe` (where D is the drive letter of your CD), and then click OK.

3. When the *Drivers and Utilities* CD screen appears, click Network I nstallation - I nstall the printer for use on a network.
4. For local installation, select Install printer on this computer, and then click Next.



For remote installation:

- a. Select Install printer on one or more remote computers, and then click Next.
 - b. Enter your Administrator user name and password, and then click Add.
 - c. Select the clients or servers, and then click Next.
5. Select the network printer you would like to install. If you do not see your printer listed, click Update to refresh the list or click Add Printer to add a printer to the network.
 6. Select I am setting up this printer on a server, and then click Next.
 7. Select your printer from the list. If you would like to change the printer name listed, enter a new name in the Printer Name field.
 8. If you want other users on the network to access this printer, select Share this printer with other computers, and then enter a share name that users will easily identify.
 9. Click Next.
 10. Select the software and documentation you want to install, and then click I install.
 11. When the Congratulations! screen appears, select whether or not to restart your computer, and then click Finish.
-

Direct Attachment With a Network Cable (No Print Server)

If you are sharing your printer in a small workgroup environment and do not want to use a print server, follow these instructions to attach the printer directly to a client computer.

Print and Check the Network Setup Page

1. When the Ready/Data light  is on solid, press and release Continue  to print a menu settings page and a network setup page.
2. Under the Standard Network Card heading on the network setup page, make sure Status is Connected.

If Status is Not Connected:

- o Make sure the Ethernet cable is firmly plugged into the back of the printer.
 - o Plug the Ethernet cable into another wall outlet.
3. Under the "TCP/IP" heading on the network setup page, make sure the IP address, netmask, and gateway are what you expected.
 4. Ping the printer and verify that it responds. For example, at a command prompt on a network

computer, type ping followed by the new printer IP address (for example, 192.168.0.11):

```
ping xxx.xxx.xxx.xxx
```

If the printer is active on the network, you will receive a reply.

5. If your printer doesn't respond, or if the IP address is not what you expected:

- a. Insert the *Drivers and Utilities* CD into your computer.
- b. The *Drivers and Utilities* CD should launch the installation software automatically.

If the CD does not automatically launch, click Start→ Run, type **D:\setup.exe** (where D is the drive letter of your CD), and then click OK.

- c. When the *Drivers and Utilities* CD screen appears, click Set IP Address Utility.
- d. Select your printer from the "Configure Print Servers" list, and then click TCP/IP Settings.
- e. Make the necessary changes, and then click OK.
- f. Click Close.
- g. Print and check the network setup page to verify your changes.

Install Printer Drivers for All Clients

1. Insert the *Drivers and Utilities* CD into your computer.
2. The *Drivers and Utilities* CD should launch the installation software automatically.


If the CD does not automatically launch, click Start→Run, type D:\setup.exe (where D is the drive letter of your CD), and then click OK.

3. When the *Drivers and Utilities* CD screen appears, click Network Installation - I install the printer for use on a network.
4. Select Install printer on one or more remote computers, and then click Next.
5. Enter your Administrator user name and password, and then click Add.
6. Select the clients or servers, and then click Next.
7. Select the network printer you would like to install, and then click Next. If you do not see your printer listed, click Update to refresh the list or click Add Printer to add a printer to the network.
8. Select your printer from the list. If you would like to change the printer name listed, enter a new name in the Printer Name field.
9. If you want other users on the network to access this printer, select Share this printer with other computers, and then enter a share name that users will easily identify.

10. Click Next.
11. Select the software and documentation you want to install, and then click I install.
12. When the Congratulations! screen appears, print a test page to verify the software is installed correctly.
13. Click Finish to exit.

Local Attachment With a USB or Parallel Cable (Using a Print Server)

If you are connecting the printer with a USB cable or a parallel cable and want to share it with multiple users, follow these instructions to attach the printer to a print server.

 **NOTE:** Use a network cable to connect the printer to access the Dell Printer Configuration Web Tool. This application is not available when the printer is connected to a computer with a USB or parallel cable.


Install Printer Drivers on the Server

You need to complete Microsoft's Plug and Play before installing the custom driver from the *Drivers and Utilities* CD.

For Linux users, refer to the documentation included on the *Drivers and Utilities* CD for installation instructions. To access the documentation, browse to the `unix\docs` folder on the CD.

Print Server Operating System
Using Windows XP Professional x64 With a USB or Parallel Cable
Using Windows XP With a USB or Parallel Cable
Using Windows 2003 Server With a USB or Parallel Cable
Using Windows 2000 With a USB or Parallel Cable
Using Windows NT With a Parallel Cable
Using Windows Me With a USB or Parallel Cable
Using Windows 98 SE With a USB or Parallel Cable
Using Macintosh OS 9.2 and OS 10.2

Using Windows XP Professional x64 With a USB or Parallel Cable

 **NOTE:** Windows XP Professional x64 requires that you have administrative access to install printer drivers on your computer.

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD into your computer.


The Wizard automatically searches for an appropriate driver.

2. Scroll through the list of drivers until you see D:\Drivers\Print\x64\dkaayb40.inf selected in the Location column. Instead of D:\ you will see the letter of your CD-ROM drive.
3. Click Next.

The wizard copies all of the necessary files and installs the printer drivers.

4. Click Finish when the software is installed.
5. [Run the Installation Software](#).

Using Windows XP With a USB or Parallel Cable

 **NOTE:** Windows XP Professional requires that you have administrative access to install printer drivers on your computer.

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD into your computer.

The Wizard automatically searches for an appropriate driver.

2. Scroll through the list of drivers until you see D:\Drivers\Print\Win_2kXP\dkaay2da.inf selected in the Location column. Instead of D:\ you will see the letter of your CD-ROM drive.
3. Click Next.

The wizard copies all of the necessary files and installs the printer drivers.

4. Click Finish when the software is installed.
5. [Run the Installation Software](#).

Using Windows 2003 Server With a USB or Parallel Cable

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on

your computer screen.

1. Insert the *Drivers and Utilities* CD into your computer.

The Wizard automatically searches for an appropriate driver.

2. Scroll through the list of drivers until you see D:\Drivers\Print\Win_2kXP\dkaay2da.inf selected in the Location column. Instead of D:\ you will see the letter of your CD-ROM drive.
3. Click Next.

The wizard copies all of the necessary files and installs the printer drivers.

4. Click Finish when the software is installed.
5. [Run the Installation Software](#).

Using Windows 2000 With a USB or Parallel Cable

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD, and then click Next.
2. Select Search for a suitable driver, and then click Next.
3. Select Specify a location only, and then click Next.
4. Browse to the location of the printer driver on the *Drivers and Utilities* CD.

D:\Drivers\Print\Win_2kXP\

Replace D:\ with the letter of your CD-ROM drive (for example, type D:\ where *D* is the drive letter of your CD).

5. Click Open, and then click OK.
6. Click Next to install the driver that is displayed.

D:\Drivers\Print\Win_2kXP\dkaay2da.inf

7. Click Finish when the software is installed.
8. [Run the Installation Software](#).


Using Windows NT With a Parallel Cable



NOTE: You need administrative access to install printer drivers on your computer.

[Run the Installation Software.](#)

Using Windows Me With a USB or Parallel Cable

 **NOTE:** Depending on the software and printers already installed on your computer, your screens may vary from those in the instructions.

If you are connecting the printer using a USB cable, you must install both a USB port driver and a custom print driver.

When you attached the cable and turned on the printer and computer, the Add New Hardware Wizard screen appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD.

If you are using a USB cable, the Wizard automatically searches for the USB driver on the CD and installs it.


If you are using a parallel cable, skip to [step 3](#).

2. After the USB port driver is found, click Finish.
3. Select Automatic search for the best driver (recommended), and then click Next.

The wizard searches for a printer driver.

4. Select **D:\Drivers\Print\Win_9xme\<your language folder>\ dkaay2da.inf** from the list on the screen (where *D* is the drive letter of your CD), and then click OK.
5. Click Next to install the printer driver.
6. Click Next to complete installation.
7. Use the default printer name (for example, Dell Laser Printer 1710) or type a unique name for your printer, and then click Next.
8. Click Yes (recommended), and then click Finish to print a test page.
9. After the test page prints, click Yes to close the window.
10. Click Finish to complete the installation and close the wizard.
11. [Run the Installation Software.](#)

Using Windows 98 SE With a USB or Parallel Cable

 **NOTE:** Depending on the software and printers already installed on your computer, your screens may vary from those in the instructions.

If you are connecting the printer using a USB cable, you must install both a USB port driver and a custom print driver.

When you attached the cable and turned on the printer, the Found New Hardware Wizard appeared on your computer screen.

1. Insert the *Drivers and Utilities* CD, and then click Next.
2. Select Search for a suitable driver, and then click Next.
3. If you are using a USB cable, select CD-ROM drive *only*, and then click Next.

If you are using a parallel cable, skip to [step 8](#).

4. After the wizard finds the USB port driver, click Next.
5. When the USB port driver is installed, click Finish.

The wizard prompts you to search for new drivers.

6. Click Next to search for a printer driver.
7. Select Search for a suitable driver, and then click Next.
8. Select Specify a location only, and then click Next.
9. Browse to the location of the printer driver on the *Drivers and Utilities* CD.

D:\Drivers\Print\Win_9xme\<<your language folder>\dkaay2da.inf

10. Highlight the driver, and then select to install the updated driver (recommended).
11. Click Next.
12. Click Next to complete installation.
13. Use the default printer name (for example, Dell Laser Printer 1710) or type a unique name for your printer, and then click Next.
14. Select Yes to print a test page, and then click Finish.

All the necessary files are installed on your computer.

15. After the test page prints, click Yes to close the message window.
16. Click Finish to complete the installation.
17. [Run the Installation Software](#).

Using Macintosh OS 9.2 and OS 10.2

The most current drivers for Macintosh are available for download on Dell's website.

1. Go to support.dell.com, and click Small Business.

2. Under Product Support, click Downloads & Drivers.
3. From the Product Model drop-down list, select Printer, and then select 1710n (Network Laser).
4. Click the arrow icon.
5. From the Select Your Download Category drop-down list, select Printer Drivers.
6. From the Select an Operating System drop-down list, select Not Applicable.
7. From the Select an Operating System Language drop-down list, select your language.
8. Click Submit.
9. Under Printer Drivers, select your printer from the list.
10. Under Driver, select your printer driver from the list.
11. Click on the driver filename.
12. Select Download Now Using HTTP or Download Now Using FTP.
13. Click on I agree.
14. Select Save to Disk, and then click OK.
15. Select a location, and then click Save.
16. Browse to the file on your computer, and double-click it to launch the installation software.
17. When the installation software launches, click Continue.
18. Proceed through the software installation screens.

Run the Installation Software

1. Insert the *Drivers and Utilities* CD into your computer.
2. The *Drivers and Utilities* CD should launch the installation software automatically.

If the CD does not automatically launch, click Start→Run, type D:\setup.exe (where D is the drive letter of your CD), and then click OK. For Windows 2003 Server, click Open on the File Download screen.

3. When the *Drivers and Utilities* CD screen appears, click Network Installation - Install the printer for use on a network.
4. For local installation, select Install printer on this computer, and then click Next.

For remote installation:

- a. Select Install printer on one or more remote computers, and then click Next.

- b. Enter your Administrator user name and password, and then click Add.
 - c. Select the clients or servers, and then click Next.
 5. Select the network printer you would like to install. If you do not see your printer listed, click Update to refresh the list, or click Add Printer to add a printer to the network.
 6. Select I am setting up this printer on a server, and then click Next.
 7. Select your printer from the list. If you would like to change the printer name listed, enter a new name in the Printer Name field.
 8. If you want other users on the network to access this printer, select Share this printer with other computers, and then enter a share name that users will easily identify.
 9. Click Next.
 10. Select the software and documentation you want to install, and then click I install.
 11. When the Congratulations! screen appears, select whether or not to restart your computer, and then click Finish.
-

Shared Printing

You can use Microsoft's Point and Print or Peer-to-Peer methods to share a printer on the network with a USB or parallel cable connection. In order to use one of these methods, you must first share the printer and then install the shared printer on client computers.

However, if you use one of these Microsoft methods, you will not have all the Dell features, such as the Status Monitor, that are installed with the *Drivers and Utilities* CD.

Share the Printer

1. For Windows XP only: Click Start→Control Panel→Printers and Other Hardware→Printers and Faxes.

For all others: Click Start→Settings→Printers.

2. Select your Dell Laser Printer 1710.
3. Click File→Sharing.
4. Click If you understand the security risk but want to share printers without running the wizard, click here.
5. Select Just enable printer sharing, and then click OK.
6. Select Share this printer, and then type a name in the Shared Name text box.

7. Click Additional Drivers, and select the operating systems of all network clients printing to this printer.
8. Click OK.

If you are missing files, you are prompted to insert the server operating system CD.

To check that the printer was successfully shared:

- Make sure the printer object in the Printers folder shows it is shared. For example, in Windows 2000, a hand is shown underneath the printer icon.
- Browse My Network Places or Network Neighborhood. Find the host name of the server and look for the shared name you assigned to the printer.

Now that the printer is shared, you can install the printer on network clients using the point and print method or the peer-to-peer method.

Install the Shared Printer on Client Computers

Point and Print

This method is the best use of system resources. The print server handles driver modifications and print job processing. This lets network clients return to their programs much faster.

If you use the Point and Print method, a subset of driver information is copied from the print server to the client computer. This is just enough information to send a print job to the printer.

1. On the Windows desktop of the client computer, double-click My Network Places or Network Neighborhood.
2. Locate the host name of the print server computer, and then double-click the host name.
3. Right-click the shared printer name, and then click Install or Connect.

Wait for the driver information to copy from the print server computer to the client computer, and for a new printer object to be added to the Printers folder. The time this takes varies, based on network traffic and other factors.

4. Close My Network Places or Network Neighborhood.
5. Print a test page to verify print installation.
6. For Windows XP only: Click Start→Control Panel→Printers and Other Hardware→Printers and Faxes.

For all others: Click Start→Settings→Printers.

7. Select the printer you just created.

8. Click File→Properties.
9. From the General tab, click Print Test Page.

When a test page prints successfully, printer installation is complete.

Peer-to-Peer

If you use the Peer-to-Peer method, the printer driver is fully installed on each client computer. Network clients retain control of driver modifications. The client computer handles the print job processing.

1. For Windows XP only: Click Start→Control Panel→Printers and Other Hardware→Printers and Faxes.

For all others: Click Start→Settings→Printers.

2. Click Add Printer to launch the Add Printer wizard.
3. Click Network Print Server.
4. Select the network printer from the Shared printers list. If the printer is not listed, type the path of the printer in the text box.

For example: \\<print server host name>\<shared printer name>

The print server host name is the name of the print server computer that identifies it to the network. The shared printer name is the name assigned during the print server installation process.

5. Click OK.

If this is a new printer, you may be prompted to install a printer driver. If no system driver is available, then you will need to provide a path to available drivers.

6. Select whether you want this printer to be the default printer for the client, and then click Finish.
7. Print a test page to verify printer installation:

- a. For Windows XP only: Click Start→Control Panel→Printers and Other Hardware→Printers and Faxes.

For all others: Click Start→Settings→Printers.


- b. Select the printer you just created.
- c. Click File→Properties.
- d. From the General tab, click Print Test Page.


When a test page prints successfully, printer installation is complete.

Software Overview

- [Dell™ Toner Management System](#)
- [Dell Local Printer Settings Utility](#)
- [Set IP Address Utility](#)
- [Dell Printer Software Uninstall](#)
- [Driver Profiler](#)
- [Dell Printer Configuration Web Tool](#)


Use the *Drivers and Utilities* CD that came with your printer to install a combination of software applications, depending on your operating system.

 **NOTE:** If you purchased your printer and computer separately, you must use the *Drivers and Utilities* CD to install these software applications.

 **NOTE:** These software applications are not available with Linux or Macintosh.

Dell™ Toner Management System


Status Monitor Center

 **NOTE:** This application is not available with Windows 98 SE or Me, or when the printer is connected locally to a computer.

Use the Status Monitor Center to manage multiple Status Monitors.

- Double-click a printer name to open its Status Monitor, or select Run to open a Status Monitor for a particular printer.
- Select View to change the appearance of the list of printers.
- Select Help to read the online Help.

Printing Status Window


 **NOTE:** This application is not available with Windows NT, 98 SE, or Me, or when the printer is connected to a network.

The Printing Status window displays the status of the printer (Printer Ready, Printer Offline, and Error-Check Printer) and the name of the job when you send a job to print.

The Printing Status window also displays the level of toner so you can:

- Monitor the toner level for your printer.
- Click Order Toner to order replacement toner cartridges.
See [Dell Printer Supplies Reorder Application](#) for more information.

Dell Printer Supplies Reorder Application


 **NOTE:** This application is not available with Windows 98 SE or Me.

The Order Supplies dialog box can be launched from the Printing Status window, the Programs window, or the desktop icon.

You can order toner by phone or from the Web.

1. Click Start→Programs or All Programs→Dell Printers→Dell Laser Printer 1710→Printer Supplies Reorder Application.
The Order Supplies window appears.
2. If ordering from the Web, click Visit Dell's cartridge ordering web site.
3. If ordering by phone, call the number that appears under the By Telephone heading.

Dell Local Printer Settings Utility

 **NOTE:** This application is not available when the printer is connected to a network.


Use the Dell Local Printer Settings Utility to change and save printer settings not available from the printer driver (for example, activating Alarm Control if you want the printer to sound an alarm when it needs attention). When you change these settings, they remain in effect until you make another selection and apply it, or until you restore the original printer settings (called factory default settings). The settings are organized by menu, much like a printer operator panel.

The Dell Local Printer Setup Utility is installed automatically on your computer when you install the Dell printer driver. Click Start→Programs or All Programs→Dell Printers→Dell Laser Printer 1710→Dell Local Printer Settings Utility. The Dell Local Printer Settings Utility only functions with printers connected directly to the computer.

You can change the following settings using the Dell Local Printer Settings Utility:

<p>Finishing Settings</p> <p>Duplex</p> <p>Duplex Bind</p> <p>Copies</p> <p>Blank Pages</p> <p>Collation</p> <p>Separator Sheets</p> <p>Separator Source</p> <p>Multipage Print</p> <p>Multipage Order</p> <p>Multipage View</p> <p>Multipage Border</p>	<p>Paper Settings</p> <p>Paper Source</p> <p>Paper Size¹</p> <p>Paper Type¹</p> <p>Custom Types²</p> <p>Substitute Size</p> <p>Configure MP</p> <p>Paper Texture³</p> <p>Paper Weight³</p> <p>Paper Loading³</p>	<p>Parallel Settings</p> <p>PCL SmartSwitch</p> <p>PS SmartSwitch</p> <p>Parallel Buffer</p> <p>Advanced Status</p> <p>Honor Init</p>	<p>PCL Emulation Settings</p> <p>Orientation</p> <p>Lines Per Page</p> <p>A4 Width</p> <p>Tray Renumber¹</p> <p>Auto CR after LF</p> <p>Auto LF after CR</p>
<p>PostScript Settings</p> <p>Print PS Error</p> <p>Font Priority</p>	<p>Quality Settings</p> <p>Print Resolution</p> <p>Toner Darkness</p> <p>PQET</p> <p>PictureGrade</p>	<p>Setup Settings</p> <p>Printer Language</p> <p>Power Saver</p> <p>Resource Save</p> <p>Download Target</p> <p>Print Timeout</p> <p>Wait Timeout</p> <p>Auto Continue</p> <p>Jam Recovery</p> <p>Page Protect</p> <p>Print Area</p> <p>Display Language</p> <p>Alarm Control</p> <p>Toner Alarm</p>	<p>USB Settings</p> <p>PCL SmartSwitch</p> <p>PS SmartSwitch</p> <p>USB Buffer</p>
<p>¹ Per supported sources</p> <p>² Per custom type number</p> <p>³ Per supported media</p>			

Set IP Address Utility

 **NOTE:** This application is not available when the printer is connected locally to a computer.

The Set IP Address Utility lets you set up an IP address and other important IP parameters. To set the IP Address manually:

1. Launch the Dell Printer Configuration Web Tool by typing your network printer's IP address in your Web browser.
2. Click Printer Settings.
3. Under Printer Server Settings, click TCP/IP.
4. Enter the IP Address as well as the Netmask and Gateway settings.

 **NOTE:** If you do not know these settings, see your network administrator.

5. Click Submit.
6. Enter the new IP address in your browser to continue using the Dell Printer Configuration Web Tool.

Dell Printer Software Uninstall

Use the Uninstall Software Utility to remove any currently installed printer software or printer objects. You can access the Uninstall Software Utility two ways:

- For Windows XP only: Click Start→Control Panel→Printers and Other Hardware→Printers and Faxes.

For all others: Click Start→Settings→Printers.

- a. Select the printer object to uninstall, and then right-click the mouse.
 - b. Select Dell Software Uninstall.
 - c. Select the components to uninstall, and then click Next.
 - d. Click Uninstall Now.
 - e. Click OK when the uninstall is complete.
- Click Start→Programs or All Programs→Dell Printers→Dell Laser Printer 1710.

- a. Select Dell Printer Software Uninstall.
 - b. Select the components to uninstall, and then click Next.
 - c. Click Uninstall Now.
 - d. Click OK when the uninstall is complete.
-

Driver Profiler

Use the Driver Profiler to create driver profiles that contain custom driver settings. A driver profile can contain a group of saved printer driver settings and other data for things such as:

- o Print orientation and N-Up (document settings)
 - o Installation status of an output tray (printer options)
 - o User-defined paper sizes (custom papers)
 - o Simple text and watermarks
 - o Overlay references
 - o Font references
 - o Form associations
-

Dell Printer Configuration Web Tool

 **NOTE:** This application is not available when the printer is connected locally to a computer.

Have you ever sent a print job to the network printer down the hall, only to find it didn't print because of a paper jam or an empty paper tray? One of the features of the Dell Printer Configuration Web Tool is the Email Alert Setup, which sends you, or the key operator, an email when the printer needs supplies or intervention.

If you fill out printer inventory reports requiring the asset tag number of all of the printers in your area, the Dell Printer Configuration Web Tool has a Printer Information feature that makes it easy. Just type the IP address of each printer on the network to display the asset tag number.



The Dell Printer Configuration Web Tool feature also lets you change printer settings and keep track of printing trends. If you are a network administrator, you can easily copy the printer's settings to one or all printers on the network – right from your Web browser.

To launch the Dell Printer Configuration Web Tool, just type your network printer's IP address in your Web browser.

If you do not know what your printer's IP address is, print a network setup page, which lists the IP address.

To print a network setup page, press and release Continue  on the printer operator panel. To assign an IP address, see [Set IP Address Utility](#).

Use the Dell Printer Configuration Web Tool for:

Printer Status

Get immediate feedback on printer supply status. When toner is running low, click the toner supplies link on the first screen to order additional toner cartridges.

Printer Settings

Change printer settings, view the operator panel remotely, and update the print server firmware.

Copy Printer Settings

Quickly clone the printer's settings to another printer or printers on the network just by typing each printer's IP address.

 **NOTE:** You must be a network administrator to use this feature.

Printing Statistics

Keep track of printing trends, such as paper usage and types of jobs being printed.

Printer Information

Get the information you need for service calls, inventory reports, or the status of current memory and engine code levels.

Email Alert Setup

Receive an email when the printer needs supplies or intervention. Type your name or the key operator's name in the email list box to be notified.

Set Password

Lock the operator panel with a password so that other users don't inadvertently change the printer settings you selected.

 **NOTE:** You must be a network administrator to use this feature.




Online Help

Click Help to visit the Dell website for printer troubleshooting.

Understanding the Operator Panel Lights



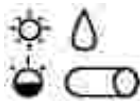












- [Common light sequences](#)
- [Secondary error codes](#)

The operator panel lights mean different things, depending on their sequence. Lights that are off, on, and/or blinking indicate printer conditions such as printer status, intervention (for example, out of paper), or service.

Off	On	Slow blink	Fast blink
			

Common light sequences

The following table shows the most common light sequences. Click the links in the right column for more information on what it means and what you can do.

Common light sequences						
Continue	Ready/ Data	Toner Low/ Replace Drum	Load/ Remove Paper	Paper Jam	Error	Printer condition
						
						<ul style="list-style-type: none"> • Ready • Power saver
						Busy
						Hex Trace ready
						Waiting
						<ul style="list-style-type: none"> • Flushing • Resolution reduced
						Not ready (printer is offline)
						Close door

						Load media
						Load manual feeder
						Print side two of a duplex job
						<ul style="list-style-type: none"> • Invalid engine code • Invalid network code
						Toner Low
						Imaging drum near full
						Replace imaging drum
						Replace imaging drum (printer hard stop)
						<ul style="list-style-type: none"> • Unsupported toner cartridge • Toner cartridge not installed
						Change invalid toner cartridge
						<ul style="list-style-type: none"> • Programming engine code • Programming system code
						<ul style="list-style-type: none"> • Cancel job • Reset printer
						Service error
						Printer error*
						Paper jam printer error*



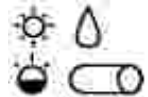







































* See [Secondary error codes](#) for more information.

Secondary error codes

When the Error and Continue lights are both on, a secondary error occurred. Press and release

Continue twice quickly to display secondary error code light sequences. The following table shows what these light sequences mean and what you can do.

Secondary error code light sequences

Continue	Ready/ Data	Toner Low/ Replace Drum	Load/ Remove Paper	Paper Jam	Error	Printer condition
						
						Complex page
						Insufficient printer memory
						Insufficient collation area
						Font error
						Network interface errors
						Error communicating with the host computer
						Host interface disabled
						Memory full
						Short paper
						Invalid engine code
						Invalid network code

Secondary error code light sequences for jams

Continue	Ready/Data	Toner Low/ Replace Drum	Load Paper	Paper Jam	Error	Printer condition	Click here for more information
						Paper jam at input sensor*	Clearing paper jams
						Paper jam in the manual feeder	Clearing paper jams
						Paper jams as it exits the tray into the printer	Clearing paper jams
						Paper jams as a printed job exits the printer	Clearing paper jams
						Paper jam in Tray 1	Clearing paper jams
						Paper jam in Tray 2	Clearing paper jams

* Paper jams at the input sensor can be either after the paper leaves the tray and enters the printer or in the manual feeder.



What this light sequence means:

- The printer is ready to receive and process data.
- The printer is in Power Saver mode.

What you can do:

- Send a print job.
- Press Continue to print the menu settings pages for a list of current printer settings.
- Press and hold Cancel to reset the printer.



NOTE: If you want to change the Power Saver setting, it can only be set from the Local Printer Settings Utility (see [Dell Local Printer Settings Utility](#)).







What this light sequence means:

- The printer is busy receiving and processing data or printing.
- The printer is defragmenting the flash memory to reclaim storage space occupied by deleted resources.
- The printer is formatting the flash memory.
- The printer is storing resources, such as fonts or macros, in flash memory.
- The printer is printing a directory, font list, menu settings pages, or Print Quality Test Pages.

What you can do:

- Busy:
 - Wait for the message to clear.
 - Press and release Cancel  to cancel the print job.
 - Press and hold Cancel  to reset the printer.
- Defragmenting flash, formatting flash, or programming flash:
 - Wait for the message to clear.

NOTE: Do not turn the printer off while this message is displayed.


- Printing a directory, a font list, menu settings pages, or Print Quality Test Pages:
 - Wait for the pages to print. The Busy message is displayed as the pages print. The Ready light is on when printing stops.
 - Press and release Cancel  to cancel printing.
 - Press and hold Cancel  to reset the printer.
- Receiving/processing data from a host interface:
 - Wait for the message to clear.
 - Press and release Cancel  to stop processing.
 - Press and hold Cancel  to reset the printer.



What this light sequence means:

The printer is in the Ready mode, and Hex Trace is active.

What you can do:




- Advanced users can use Hex Trace to help troubleshoot printing problems. After resolving the problem, turn off the printer to exit Hex Trace.
- Press and hold Cancel  to reset the printer.



What this light sequence means:

The printer is waiting until a print timeout occurs, or until it receives additional data.

What you can do:



- Press Continue  to print the contents of the print buffer.
- Press and release Cancel  to cancel the print job.
- Press and hold Cancel  to reset the printer.



What this light sequence means:

- The printer is flushing corrupted print data.
- The printer is processing data or printing pages, but the resolution of a page in the current print job is reduced from 600 dots per inch (dpi) to 300 dpi to prevent a memory full error.

What you can do:




- Wait until the operator panel returns to Ready to print other jobs.
- Press and release Cancel  to cancel the print job.
- Press and hold Cancel  to reset the printer.



What this light sequence means:

The printer is not ready to receive or process data, or the printer ports are offline.

What you can do:

- Press Continue  to return to the Ready or Busy state.
- Press and release Cancel  to cancel the print job.
- Press and hold Cancel  to reset the printer.



What this light sequence means:

The printer door is open.

What you can do:



Close the door.



What this light sequence means:

The printer is out of media, or the media did not feed properly.

What you can do:



- Load media into tray 1 or the optional 550-sheet tray, and press Continue  to resume printing.
- Check that the media is loaded correctly in tray 1 or the optional 550-sheet tray.
- Press Cancel  to cancel the print job.



What this light sequence means:

The printer prompts you to load a single sheet of media in the manual feed.

What you can do:



- Load media, with the side to be printed facing the front of the printer, into the manual feed.
- Press Continue  to resume printing.
- Press and hold Cancel  to reset the printer.



What this light sequence means:

Print the other side of your duplex print job.

What you can do:


- Reinsert your print job in tray 1 using the instructions in the driver pop-up menu to orient the pages correctly. Press Continue  to resume printing.
- Press and hold Cancel  to reset the printer.



What this light sequence means:

The code in an internal print server has not been programmed, or the programmed code is not valid.

What you can do:



Download valid network code to the internal print server. Press Continue  twice quickly to see the secondary error code. See [Secondary error codes](#) for more information.



What this light sequence means:

The printer is ready to receive and process data. In addition, the toner in the toner cartridge is getting low.

What you can do:

- Press Continue  to print the menu settings page for a list of current printer settings.
- Remove the toner cartridge and shake it to extend the life of the cartridge.
- Replace the toner cartridge. (See [Replacing the Toner Cartridge](#) for help.)
- Press and hold Cancel  to reset the printer.

NOTE: This light may not come on if the starter toner cartridge is installed in a base printer model.




What this light sequence means:

The imaging drum is almost full and will need replacing soon.

NOTE: The Toner Alarm must be turned on in the [Setup Settings](#) for this message to appear.

What you can do:


- Press Continue  to resume printing.
- Print a Printer Settings Configuration Page to determine the imaging drum level. For more information, see [Printing the Printer Settings Configuration Sheet](#).



What this light sequence means:

The imaging drum is approaching full and will need replacing.

What you can do:

- Press Continue  to resume printing.
- Print a Printer Settings Configuration Page to determine the imaging drum level. For more information, see [Printing the Printer Settings Configuration Sheet](#).



What this light sequence means:

The imaging drum is full and needs replacing. The printer will not print any more pages until the imaging drum is replaced.

What you can do:

Replace the imaging drum. For more information, see [Replacing the Imaging Drum](#).



What this light sequence means:

The toner cartridge is not installed, or the printer detects a toner cartridge error.

What you can do:

- If the toner cartridge is not installed, install it.
- If the toner cartridge is installed, remove it and install a new toner cartridge (see [Replacing the Toner Cartridge](#)).



What this light sequence means:

The toner cartridge you are using was not designed for your printer.

What you can do:

Install a toner cartridge made for your printer (see [Ordering Supplies](#)).



What this light sequence means:

New code is being programmed into the engine or firmware code flash.

What you can do:

Wait for the message to clear. When the printer has finished programming the code, it performs a soft reset.



What this light sequence means:

- The current print job is canceled.
- The printer is resetting to the user default settings. Any active print jobs are canceled. A user default setting remains in effect until you change it or until you restore the factory default settings.

What you can do:

Wait for the message to clear.



What this light sequence means:

The printer has a service error, and printing has stopped.

What you can do:

Turn the printer off and back on. If the lights are still blinking, contact Dell at support.dell.com.





What this light sequence means:

The printer has one of the following errors:

- Memory is full, insufficient to save what is in the buffer, or insufficient to defragment flash memory.
- A page is too complex to print or is shorter than the set page margins.
- Resolution of a formatted page is reduced to 300 dpi.
- A font error occurred.
- Communication with the host computer is lost.

What you can do:



- Press Continue  twice quickly to see the secondary error code. See [Secondary error codes](#) for more information.
- Press Continue  to clear the secondary message.



What this light sequence means:

The printer has a paper jam.

What you can do:

- Press Continue  twice quickly to see the secondary error code. See [Secondary error codes](#) for more information.
- Press Continue  to resume printing once all the jammed pages are cleared from the paper path.




Secondary error code

What this light sequence means:

The page may not print correctly because the print information on the page is too complex (that is, too large for the printer's memory).

What you can do:

- Press Continue  to clear the message and continue processing the print job (some of the print data may be lost).
- To avoid this error in the future:
 - Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros.
 - Set Page Protect to On in the [Setup Settings](#) in the Local Printer Setup Utility.
 - Install additional printer memory (see [Installing an Optional Memory Card](#)).





Secondary error code

What this light sequence means:

The printer does not have enough memory to save the data in the buffer.

What you can do:

- Install additional memory (see [Installing an Optional Memory Card](#)).
- Press Continue  to continue printing the job.
- Press Cancel  to cancel the print job.



Secondary error code




What this light sequence means:

The printer memory does not have the free space necessary to collate the print job.

This may happen due to one of these errors:

- Memory is full.
- A page is too complex to print.
- A page is shorter than the set page margins.
- Memory is insufficient to save what is in the buffer.

What you can do:

- Press Continue  to clear the message and continue printing the job (the job may not print correctly.)
- Press and release Cancel  to cancel the print job.
- Press and hold Cancel  to reset the printer.
- To avoid this error in the future:
 - Simplify the print job. Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros.
 - Install additional printer memory (see [Installing an Optional Memory Card](#)).






Secondary error code

What this light sequence means:

The printer has received a request for a PPDS font which is not installed.

What you can do:

- Press and release Cancel  to cancel the print job.
- Press and hold Cancel  to reset the printer.
- Press Continue  to clear the message and continue printing.




Secondary error code

What this light sequence means:

The printer cannot establish communication with the network.

What you can do:

Press Continue  to clear the message and continue printing. (The job may not print correctly.)




Secondary error code

What this light sequence means:

The printer has lost the connection to an external print server (also called an external network adapter or ENA).

This light sequence is displayed if your printer is connected to the network, but it cannot detect the print server when you turn on the printer.

What you can do:

- Make sure the cable connecting the ENA and the printer is securely attached. Turn the printer off and then on to reset the printer.
- Press and hold Cancel  to reset the printer.




Secondary error code

What this light sequence means:

The printer USB or parallel port has been disabled.

What you can do:

Press Continue  to clear the message. The printer discards any print jobs previously sent. Enable the USB or parallel port by selecting a value other than Disabled for the USB Buffer or Parallel Buffer item in the Local Printer Setup Utility (see [Dell Local Printer Settings Utility](#)).






Secondary error code

What this light sequence means:

The printer is processing data, but the memory used to store pages is full.

What you can do:

- Press Continue  to clear the message and continue printing the job (the job may not print correctly).
- Press and release Cancel  to cancel the print job.
- Press and hold Cancel  to reset the printer.
- To avoid this error in the future:
 - o Simplify the print job. Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros.
 - o Install additional printer memory (see [Installing an Optional Memory Card](#)).





Secondary error code

What this light sequence means:

The paper length is too short to print the formatted data.

This occurs when the printer does not know the media size loaded in the tray, or there is a problem feeding the media.

What you can do:

- Make sure the print media you loaded is large enough.
- Open the front cover, clear the paper path, and close the cover to resume printing (see [Clearing paper jams](#)).
- Press Continue  to clear the message and continue printing the job.
- Press Cancel  to cancel the print job.



Secondary error code

What this light sequence means:

The code in an internal print server has not been programmed, or the programmed code is not valid.

What you can do:

Download valid engine code to the internal print server.



Secondary error code

What this light sequence means:

The code in an internal print server has not been programmed, or the programmed code is not valid.

What you can do:

Download valid network code to the internal print server.

Understanding the Printer Menus



[Printing the Printer Settings Configuration Sheet](#)


[Menus Overview](#)

Printing the Printer Settings Configuration Sheet










To help resolve printing problems or to change printer configuration settings, advanced users can print the Printer Settings Configuration sheet for instructions on advancing through the configuration menus to select and save new settings.



To print the Printer Settings Configuration sheet:



1. Turn off the printer.
2. Open the front cover.
3. Press and hold Continue  as you turn the printer back on.
4. All the lights cycle.
5. Close the cover. The light sequence that represents the Home menu is displayed.
6. To print the Printer Settings Configuration sheet, press and hold Continue  until the lights cycle. The sheet prints.

 **NOTE:** The sheet only prints when the Home menu is displayed.

Menus Overview

Menus are represented by Ready , Toner Low   /Replace Drum  , Load/Remove Paper , and Paper Jam  light sequences. Menu items and their settings are indicated by Error  and Continue  light sequences.

- Press and release Cancel  to advance through menus and menu items.
- Press and release Continue  to advance to the setting you need.

- Press and hold Continue  until all of the lights cycle to save a setting.
- Press and hold Cancel  until all of the lights cycle to return to the Home menu.
- Turn off the printer to exit the menus.

Network Menu

Use the Network menu to change printer settings on jobs sent through a network port (either Standard Network or Network Opt <x>).

NPA Mode

Use this setting to: send print jobs to the printer and query printer status information simultaneously.

Values:

- o Off
- o Auto (factory default)

MAC Binary PS

Use this setting to: configure the printer to process Macintosh binary PostScript print jobs.

Values:

- o Off-The printer filters PostScript print jobs using standard protocol.
- o On-The printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. This setting often causes Windows print jobs to fail.
- o Auto (factory default)-The printer processes print jobs from computers using either Windows or Macintosh operating systems.

Set Card Speed

Use this setting to: automatically detect the connection speed of your network. You can disable this setting to set the speed manually.

Values:

- o Auto (factory default)-The printer detects current network speed.

- 10Mbps, Half Duplex-Forces the printer to try to connect to the network only at 10Mbps, Half Duplex.
- 10Mbps, Full Duplex-Forces the printer to try to connect to the network only at 10Mbps, Full Duplex.
- 100Mbps, Half Duplex-Forces the printer to try to connect to the network only at 100Mbps, Half Duplex.
- 100Mbps, Full Duplex-Forces the printer to try to connect to the network only at 100Mbps, Full Duplex.

Parallel Menu

Use the Parallel menu to change printer settings on jobs sent through a parallel port.

NPA Mode

Use this setting to: send print jobs to the printer and query printer status information simultaneously.

Values:

- Off
- On
- Auto (factory default)

Protocol

Use this setting to: receive information at a much higher transmission rate if your printer is set to Fastbytes (if your computer supports Fastbytes) or receive information at a normal transmission rate if your printer is set to Standard.

Values:

- Standard
- Fastbytes (factory default)

Parallel Mode 2

Use this setting to: determine whether the parallel port data is sampled on the leading (On) or trailing (Off) edge of strobe.

Values:

- Off
- On (factory default)

MAC Binary PS

Use this setting to: configure the printer to process Macintosh binary PostScript print jobs.

Values:

- Off-The printer filters PostScript print jobs using standard protocol.
- On-The printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. This setting often causes Windows print jobs to fail.
- Auto (factory default)-The printer processes print jobs from computers using either Windows or Macintosh operating systems.

Setup Menu

Use the Setup menu to configure how the printer formats the end of a line depending on the computer system being used.

Auto CR after LF

Use this setting to: specify whether the printer automatically performs a carriage return after a line feed control command.

Values:

- Off (factory default)
- On

Auto LF after CR

Use this setting to: specify whether the printer automatically performs a line feed after a carriage return control command.

Values:

- o Off (factory default)
- o On

USB Menu

Use the USB menu to change printer settings on jobs sent through a Universal Serial Bus (USB) port.

NPA Mode

Use this setting to: send print jobs to the printer and query printer status information simultaneously.

Values:

- o Off
- o On
- o Auto (factory default)

MAC Binary PS

Use this setting to: configure the printer to process Macintosh binary PostScript print jobs.

Values:

- o Off-The printer filters PostScript print jobs using standard protocol.
- o On-The printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. This setting often causes Windows print jobs to fail.
- o Auto (factory default)-The printer processes print jobs from computers using either Windows or Macintosh operating systems.

Utilities Menu

Use the Utilities menu to troubleshoot printer problems.

Reset Factory Defaults

Use this setting to: return your printer settings to the factory default values. Sometimes resetting the printer to the original settings solves formatting problems. All menu items are reset to the factory default values except:

- Display Language.
- All settings in the Parallel menu, Network menu, and USB menu.

All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted. Resources in flash memory are unaffected.

Reset Photoconductor Counter

Use this setting to: return the photoconductor counter to zero.

The replace photoconductor message should be cleared *only* when the imaging drum has been replaced.

Hex Trace

Use this setting to: help isolate printing problems when unexpected characters print or characters are missing. Hex Trace helps you determine if there is a problem with the language interpreter or the cable by telling you what information your printer is receiving. To exit Hex Trace, turn off the printer.

Values:

- Off (factory default)
- On

Print Quality Test Pages

Use this setting to: help isolate print quality problems, such as streaking. When you select this setting, three pages print to help you evaluate print quality:

- A text page with printer information, cartridge information, current margin settings, and a graphic.
- Two pages with graphics.

Printing

- [Manually Feeding a Print Job](#)
 - [Printing on Both Sides of the Paper \(Manual Duplex\)](#)
 - [Printing Multiple Page Images on One Page \(N-Up Printing\)](#)
 - [Printing a Booklet](#)
 - [Printing a Poster](#)
 - [Printing on Letterhead](#)
 - [Canceling a Print Job](#)
-

Manually Feeding a Print Job

The manual feeder is located at the front of your printer and can only feed one sheet of print media at a time.

When using the manual feeder, send the print job to the printer before loading the print media. When the printer is ready, it will display the Load Manual Feeder light sequence, at which point you should load the media.



To manually feed a print job:

1. From the computer's software application, select File →Print.
2. Click Properties (or Options, Printer, or Setup, depending on the application) to view the printer driver settings.
3. Click the Paper tab.

4. Select Manual paper from the Paper tray drop-down list.
5. Select the appropriate Paper size and type.
6. Click OK.
7. Click OK on the Print window to send the job to print.

The printer displays the Load Manual Feeder light sequence.

8. Place a sheet of the selected print media, print side facing up, at the center of the manual feeder, but only to the point where its leading edge can contact the paper guides.
 - o Hold transparencies by the edges and avoid touching the print side. Oil from your fingers can affect print quality.
 - o Insert envelopes with the flap side face down and with the stamp area as shown.
 - o Load letterhead face up, with the top of the sheet first.
 - o If you experience problems with paper feed, turn the paper over.
9. Adjust the paper guides to the print media's width.
10. Hold both sides of the print media close to the manual feeder, and push it into the printer until it automatically engages.



There is a brief pause between the time the printer engages the print media and when it feeds into the printer.



NOTICE: Do not force the print media into the feeder. Forcing the media causes jams.

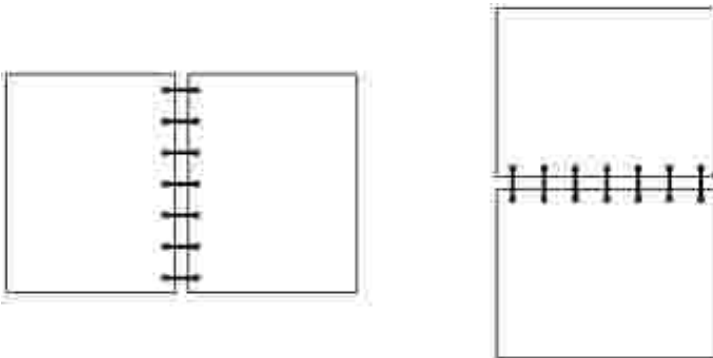
Printing on Both Sides of the Paper (Manual Duplex)

Printing on both sides of the paper reduces printing costs.

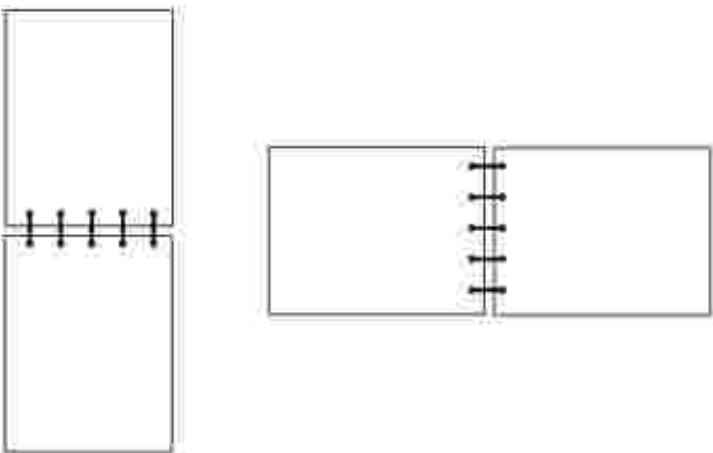
Although you can use Tray 1 or the 550-sheet tray to print the first side of the duplex job, only use Tray 1 to print the second side.

You can choose how you want your job duplexed: Long Edge or Short Edge.

- Long Edge means pages are bound along the long edge of the page (left edge for portrait, top edge for landscape).





- Short Edge means pages are bound along the short edge of the page (top edge for portrait, left edge for landscape).



To manually duplex a print job:

1. From the computer's software application, select File →Print.
2. Click Properties (or Options, Printer, or Setup, depending on the application) to view the printer driver settings.
3. From the Page Layout tab, select 2-sided printing.
4. Select either Long Edge or Short Edge.

5. Select Manual 2-sided printing.
6. Click the Paper tab.
7. Select the appropriate Input options for your print job.
8. Click OK.
9. Click OK on the Print window.

The printer prints every other page of the document first. Once the first side of your job prints, the Load Paper light  comes on, and the Continue  light blinks.

10. Load the paper back into the printer with the already-printed side up and the top of the page toward the front of the tray.

Printing Multiple Page Images on One Page (N-Up Printing)

The Multipage Printing (N-up) setting is used to print multiple page images on a single page. For example, 2-up means two page images are printed on one page, 4-up means four page images are printed on one page, and so on.

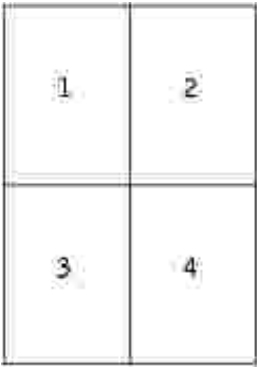
The printer uses the Multipage Order, Multipage View, and Multipage Border settings to determine the order and orientation of the page images, and whether a border is printed around each page image.

1. From the computer's software application, select File →Print.
2. Click Properties (or Options, Printer, or Setup, depending on the application) to view the printer driver settings.
3. From the Page Layout tab, select the number of images per sheet (from the Multipage printing section) and the orientation you would like the paper to have.

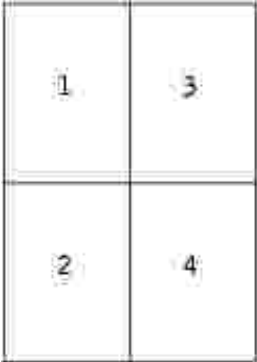
The positioning depends on the number of images and whether the images are portrait or landscape in orientation.

For example, if you select 4-Up multipage printing and portrait orientation, the results differ depending on the Multipage Order value you select:

Across



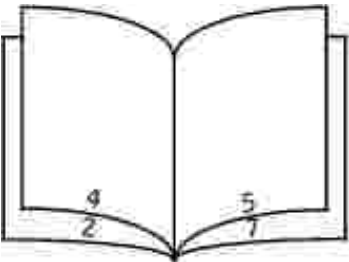
Down



4. To print a visible border around each page image, select Print page borders.
5. Click OK.
6. Click OK on the Print window to send the job to print.

Printing a Booklet

The Booklet setting lets you print multiple pages in booklet form without having to re-format your document so the pages print in the proper order. The pages print so that the finished collated document may be folded along the center of each page to form a booklet.



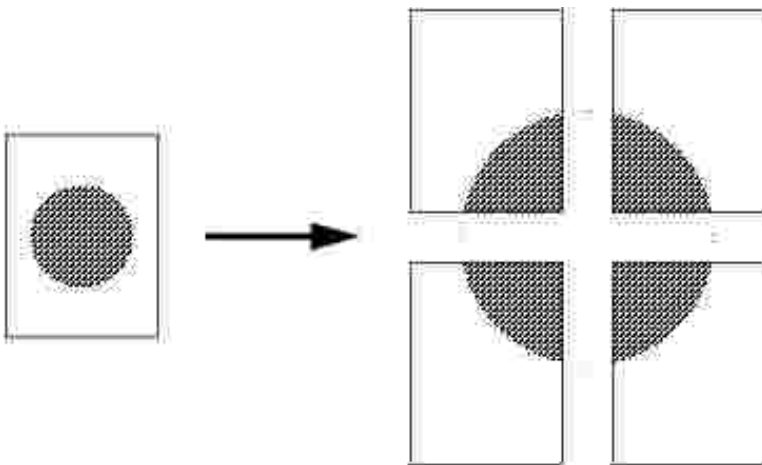
If the document contains many pages, a booklet may have too many pages to fold easily. If you are printing a fairly large booklet, you might want to use the Sheets per Bundle option to specify how many physical pages are put into one bundle. The printer will print the necessary number of bundles, which you can then bind into one booklet. Printing in bundles helps the outside edge of the pages line up more evenly.

You must specify whether or not you want to print using any Duplex printing options before you select to print using the booklet function. Once you choose Print Using Booklet, the controls for the Duplex options are dimmed and remain at the last setting used.

1. From the computer's software application, select File →Print.
 2. Click Properties (or Options, Printer, or Setup, depending on the application) to view the printer driver settings.
 3. From the Page Layout tab, click More Page Layout Options.
 4. Click Booklet.
 5. If your print job is large, you may want to use the Sheets per Bundle option.
 6. Select the appropriate binding edge for your print job.
 7. To print a visible fold mark on the pages, select Print fold mark.
 8. Click OK twice.
 9. Click OK on the Print window to send the job to print.
-

Printing a Poster

The Poster setting lets you print a single image across several pages. Once printed, you can combine the pages to create one large image.



1. From the computer's software application, select File →Print.
2. Click Properties (or Options, Printer, or Setup, depending on the application) to view the printer driver settings.
3. From the Page Layout tab, click More Page Layout Options.
4. Click Poster.

5. Select the poster size you want by choosing the number of pages to use in the poster.
 6. To print crop marks on the pages, select Print crop marks.
 7. Select the amount of overlap you want each page to have.
 8. Click OK twice.
 9. Click OK on the Print window to send the job to print.
-

Printing on Letterhead

To print on letterhead, make sure the paper is loaded with the proper orientation.

1. Make sure the letterhead is properly loaded according to the paper source you are using:
 - o Tray 1 or 2-Load the letterhead paper with the design side facing down. The top edge of the sheet with the logo should be placed at the front of the tray.
 - o Manual feeder-Load the letterhead paper face-up, with the top of the sheet first.



NOTE: If you are using the manual feeder, first send the job to print, then load the letterhead when the printer displays the Load Manual Feeder light sequence (see [Manually Feeding a Print Job](#)).


2. From the computer's software application, select File →Print.
 3. Click Properties (or Options, Printer, or Setup, depending on the application) to view the printer driver settings.
 4. Click the Paper tab.
 5. Select Letterhead from the Paper type drop-down lists.
 6. Select the appropriate paper size and tray.
 7. Click OK.
 8. Click OK on the Print window to send the job to print.
-

Canceling a Print Job

A print job can be canceled from the operator panel or from your computer. The Cancel Job light sequence is displayed on the operator panel while the job is being cancelled.



From the printer operator panel

Press and release Cancel  to cancel the job currently printing.

From your computer

1. For Windows XP only: Click Start →Control Panel →Printers and Other Hardware →Printers and Faxes.

For all others: Click Start →Settings →Printers.

2. Double-click the printer you are using to print the job.

A list of print jobs appears.

3. Right-click the document you want to stop printing, and then click Cancel.

Maintaining Your Printer

- [Ordering Supplies](#)
 - [Storing Supplies](#)
 - [Replacing the Toner Cartridge](#)
 - [Replacing the Imaging Drum](#)
 - [Cleaning the Printhead Lens](#)
 - [Uninstalling Drivers](#)
-

Ordering Supplies

If your printer is connected to the network, type your printer IP address in your Web browser to launch the Dell Configuration Web Tool, and click the toner supplies link.

1. Click Start→Programs or All Programs→Dell Printers→Dell Laser Printer 1710→Dell Printer Supplies–Laser.
 2. The Order Toner Cartridges window appears:
 - a. Choose your printer model from the drop-down list on the screen.
 - b. Enter your Dell printer Service Tag number in the field provided.

Your Service Tag number is located inside the front door of your printer.
 - c. Click Visit Dell's cartridge ordering website.
 3. Order toner from the Web at www.dell.com/supplies.
-

Storing Supplies

Storing Print Media

Use the following guidelines for proper print media storage. These help avoid paper feeding problems and uneven print quality:

- For best results, store print media in an environment where the temperature is approximately 21°C (70°F) and the relative humidity is 40%.
- Store cartons of print media on a pallet or shelf, rather than directly on the floor.

- If you store individual packages of print media out of the original carton, make sure they rest on a flat surface so the edges do not buckle or curl.
- Do not place anything on top of the print media packages.

Storing the Toner Cartridge

Store the toner cartridge in the original packaging until you are ready to install it.

Do not store the toner cartridge in:

- Temperatures greater than 40°C (104°F).
- An environment with extreme changes in humidity or temperature.
- Direct sunlight.
- Dusty places.
- A car for a long period of time.
- An environment where corrosive gases are present.
- An environment with salty air.

Replacing the Toner Cartridge

You can determine approximately how much toner is left in your cartridge by printing the printer settings configuration sheet. This helps you decide when you might need to order replacement supplies. For more information on printing the printer settings configuration sheet, see [Printing the Printer Settings Configuration Sheet](#).

Also, the Toner low light sequence is displayed when the toner cartridge is nearly empty. You can still print for a short time while this sequence is displayed, but print quality begins to decrease as the toner level decreases.



When the Toner low light sequence appears or when you experience faded print, remove the toner cartridge. Firmly shake it side-to-side and front-to-back several times to redistribute the toner, and then reinsert it and continue printing. Repeat this procedure multiple times until the print remains faded. When the print remains faded, replace the toner cartridge.

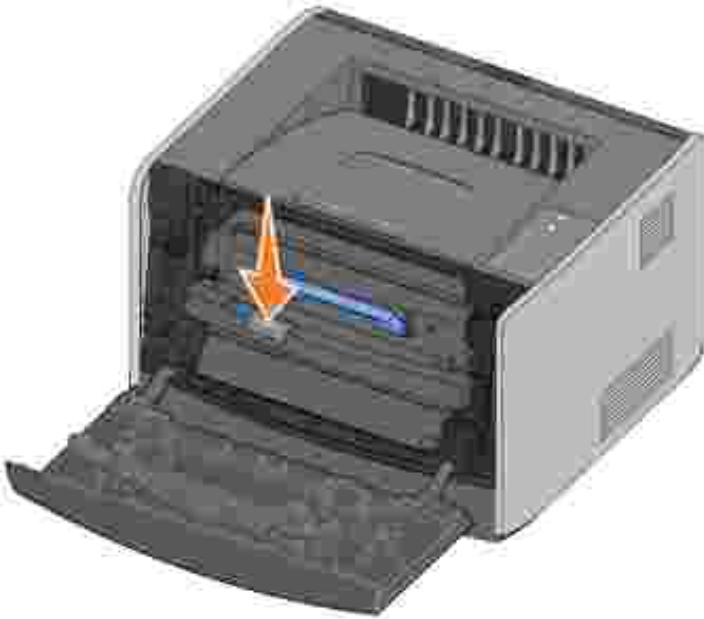
To replace the toner cartridge:

1. Open the front cover by pressing the button on the left side of the printer and lowering the cover.



⚠ CAUTION: When replacing a toner cartridge, do not leave the new cartridge exposed to direct light for an extended period of time. Extended light exposure can cause print quality problems.

2. Press the button on the base of the toner cartridge assembly.



3. Pull the toner cartridge up and out using the handle.



4. Unpack the new toner cartridge.

5. Rotate the cartridge in all directions to distribute the toner.



6. Install the new toner cartridge by aligning the white rollers on the toner cartridge with the white arrows on the tracks of the imaging drum and pushing the toner cartridge in as far as it will go. The cartridge *clicks* into place when correctly installed.



7. Close the front cover.

Replacing the Imaging Drum

You can determine approximately how full the imaging drum is by printing the printer settings configuration sheet. This helps you decide when you might need to order replacement supplies. For more information on printing the printer settings configuration sheet, see [Printing the Printer Settings Configuration Sheet](#).

To ensure print quality and to avoid damage to the printer, the printer stops operating after the imaging drum has reached a maximum of 40,000 pages. The printer automatically notifies you before the imaging drum reaches this point. For more information, see [Replace imaging drum](#).

When you first receive the Replace imaging drum light sequence you should immediately order a new imaging drum. While the printer may continue to function properly after the imaging drum has reached its official end-of-life (approximately 30,000 pages), print quality begins to significantly decrease until the photoconductor stops operating at the maximum of 40,000 pages.




NOTICE: When replacing an imaging drum, do not leave the toner cartridge or the new imaging drum exposed to direct light for an extended period of time. Extended light exposure can cause print quality problems.

To replace the imaging drum:

1. Open the front cover by pressing the button on the left side of the printer and lowering the cover.



2. Pull the toner cartridge assembly out of the printer by pulling on the toner cartridge handle.

 **NOTE:** Do not press the button on the toner cartridge assembly.



Place the toner cartridge assembly on a flat, clean surface.

3. Press the button on the base of the toner cartridge assembly.



4. Pull the toner cartridge up and out using the handle.





5. Unpack the new imaging drum.
6. Install the toner cartridge into the new toner cartridge assembly by aligning the white rollers on the toner cartridge with the white arrows on the tracks of the imaging drum and pushing the toner cartridge in as far as it will go. The cartridge *clicks* into place when correctly installed.



7. Install the toner cartridge assembly into the printer by aligning the blue arrows on the guides of the toner cartridge assembly with the blue arrows on the tracks in the printer and pushing the toner cartridge assembly in as far as it will go.



8. After you replace the imaging drum, you should reset the imaging drum's counter. To reset the counter, press and hold the Cancel  button until all lights flash in sequence.

 **NOTICE:** Resetting the imaging drum's counter without replacing the imaging drum may damage your printer and void your warranty.

9. Close the front cover.

Cleaning the Printhead Lens

You can solve some print quality problems by cleaning the printhead lens.

1. Turn the printer off.
2. Open the front cover by pressing the button on the left side of the printer and lowering the cover.




3. Remove the toner cartridge assembly from the printer by pulling on the toner cartridge handle.

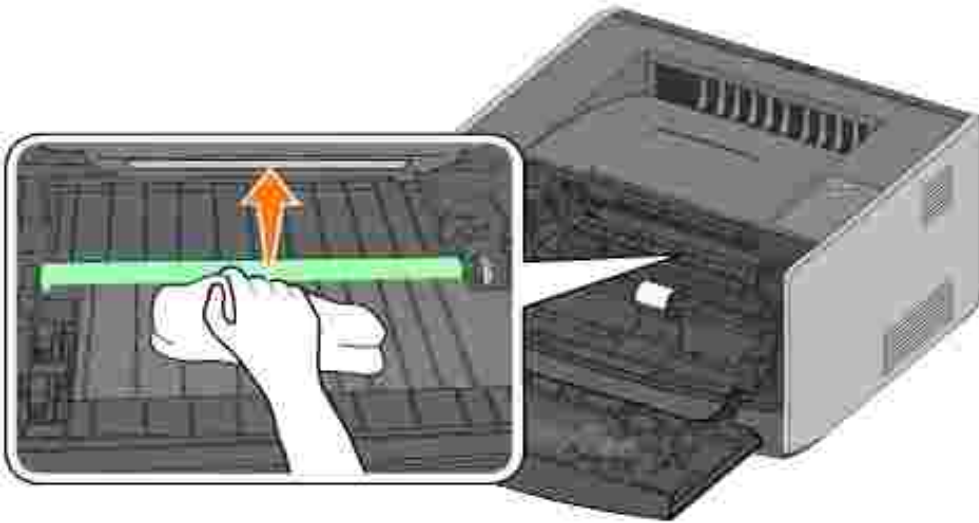
 **NOTE:** Do not press the button on the toner cartridge assembly.



Place the toner cartridge assembly on a flat, clean surface.

 **NOTICE:** Do not leave the toner cartridge assembly exposed to direct light for an extended period of time. Extended light exposure can cause print quality problems.

4. Locate the glass printhead lens, which is located within the recessed area in the top of the printer.



5. Gently wipe the printhead lens with a clean, dry, lint-free cloth.

➔ **NOTICE:** Not using a clean, dry, lint-free cloth may result in damage to the printhead lens.

6. Install the toner cartridge assembly into the printer by aligning the blue arrows on the guides of the toner cartridge assembly with the blue arrows on the tracks in the printer and pushing the toner cartridge assembly in as far as it will go.



7. Close the front cover.

8. Turn the printer on.

Uninstalling Drivers

The *Drivers and Utilities* CD contains drivers and utilities for your printer and optional devices. The CD also has an Uninstall Software Utility to remove any currently installed printer software or printer objects.

You can access the Uninstall Software Utility two ways:

- For Windows XP only: Click Start→Control Panel→Printers and Other Hardware→Printers and Faxes.

For all others: Click Start→Settings→Printers.












- a. Select the printer object to uninstall, and then right-click the mouse.
 - b. Select Dell Software Uninstall.
 - c. Select the components to uninstall, and then click Next.
 - d. Click Uninstall Now.
 - e. Click OK when the uninstall is complete.
- Click Start→Programs or All Programs→Dell Printers→Dell Laser Printer 1710→Dell Printer Software Uninstall.
 - a. Select the components to uninstall, and then click Next.
 - b. Click Uninstall Now.
 - c. Click OK when the uninstall is complete.

Troubleshooting

- [Basic Problems](#)
 - [Print Quality Problems](#)
 - [Calling For Service](#)
-

Basic Problems

Use the following table to find solutions for printing problems you encounter. If you cannot fix the problem, contact Dell at support.dell.com. You may have a printer part that requires cleaning or replacement by a service technician.

<p>The print is getting light, but the Toner Low  /Replace Drum  light is not on.</p> <p>Remove the toner cartridge and firmly shake it from side-to-side and front-to-back several to use the remaining toner, and then reinsert it and continue printing. Repeat this procedure multiple times until the print remains faded. When the print remains faded, replace the toner cartridge. See Replacing the Toner Cartridge for more information.</p>
<p>The Toner Low  /Replace Drum  light is on (not blinking).</p> <p>Remove the toner cartridge and firmly shake it from side-to-side and front-to-back several to use the remaining toner, and then reinsert it and continue printing. Repeat this procedure multiple times until the print remains faded. When the print remains faded, replace the toner cartridge. See Replacing the Toner Cartridge for more information.</p>
<p>The Toner Low  /Replace Drum  light is blinking.</p> <p>The imaging drum is approaching full and will need replacing. Immediately order a new imaging drum and see Replacing the Imaging Drum for more information.</p>
<p>The Toner Low  /Replace Drum  and the Error  lights are blinking.</p> <p>The imaging drum is full and needs replacing. The printer will not print any more pages until the imaging drum is replaced. See Replacing the Imaging Drum for more information.</p>
<p>The Load Paper light  is on, even though there is paper loaded in the 250-sheet or 550-sheet tray.</p> <p>Make sure the tray is pushed all the way in.</p>
<p>The printer is on and the Error light  is on.</p> <p>Make sure the printer cover is closed.</p>


The operator panel lights do not come on when the printer is turned on.

- Wait to see if the lights come on. This may take a few seconds.
- Make sure the power cord is firmly plugged in at the back of the printer and at the electrical outlet.

Pages are blank.

- The toner cartridge may be out of toner. Replace the cartridge. See [Replacing the Toner Cartridge](#) for more information.
- You may have a software error. Try turning the printer off and back on.

The printer is on, but nothing prints

- Make sure the toner cartridge is installed.
- Make sure the parallel, USB, or network cable is firmly plugged into the connector on the back of the printer.
- Press and release Continue  to print a menu settings page to determine if the problem is with the printer or the computer.
- If you can print a menu settings page, the problem is in the computer or the software program.
- If you cannot print a menu settings page, contact Dell at support.dell.com.




You cannot close the front cover.

Make sure the toner cartridge is positioned correctly.

The printer has missing or damaged parts.

Contact Dell at support.dell.com.

Clearing paper jams

When a paper jam occurs, the printer stops and the operator panel's Paper Jam  and Continue  lights come on. Press and release Continue  twice quickly to display the specific secondary error paper jam light sequence.

We recommend that you clear the entire paper path when a paper jam occurs.

To clear a paper jam:

1. If you are feeding paper from a tray, remove the tray, and then remove any jams.



2. Open the front cover and remove the toner cartridge assembly.

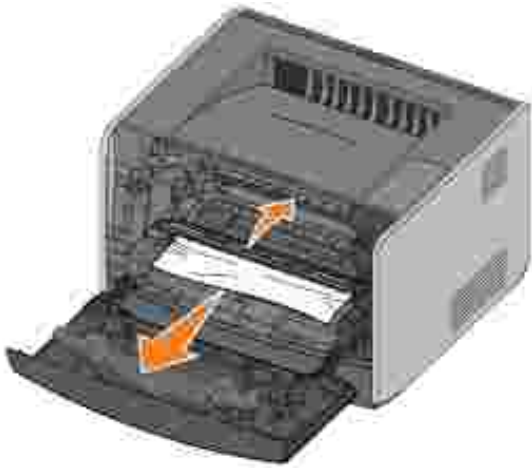


NOTE: Do not leave the toner cartridge assembly exposed to direct light for an extended period of time. Extended light exposure can cause print quality problems.

3. Remove any jams in the area behind the toner cartridge assembly.





4. Lift the flap at the front of the printer and remove any jams beneath the flap.



5. Open the rear exit and remove any jams.



6. After you have cleared the jams, reinstall the toner cartridge assembly, make sure all printer covers and trays are closed, and then press Continue  to resume printing.

 **NOTE:** The printer reprints the pages that caused the paper jam.

Print Quality Problems

Use the following table to find solutions for printing problems you encounter. If you cannot fix the problem, contact Dell at support.dell.com. You may have a printer part that requires cleaning or replacement by a service technician.

Print is too light.

- The Toner Darkness² setting is too light.
- You are using paper that does not meet the printer specifications.
- The toner cartridge is low on toner.

- The toner cartridge is defective.

Try the following:

- Select a different Toner Darkness² setting from the printer driver before sending the job to print.
- Load paper from a new package.
- Avoid textured paper with rough finishes.
- Make sure the paper you load in the trays is not damp.
- Replace the toner cartridge. See [Replacing the Toner Cartridge](#).

[Print is too dark, or the background is gray.](#)

- The Toner Darkness² setting is too dark.
- The toner cartridge is defective.

Try the following:

- Select a different Toner Darkness² setting from the printer driver before sending the job to print.
- Replace the toner cartridge. See [Replacing the Toner Cartridge](#).

[White lines appear on the page.](#)

The printhead lens is dirty, or the print cartridge or the fuser is defective.

Try the following:

- Clean the printhead lens.
- Replace the toner cartridge. See [Replacing the Toner Cartridge](#).
- Replace the fuser¹.

[Streaked horizontal lines appear on the page.](#)

The toner cartridge or fuser may be defective, empty, or worn. Replace the toner cartridge (see [Replacing the Toner Cartridge](#)) or fuser¹ as needed.

[Streaked vertical lines appear on the page.](#)

Toner is smeared before fusing to the paper, or the toner cartridge is defective.

Try the following:

- If paper is stiff, try feeding from another tray or the manual feeder.
- Replace the toner cartridge. See [Replacing the Toner Cartridge](#).

[Page contains print irregularities.](#)

- Paper has absorbed moisture due to high humidity.
- You are using paper that does not meet the printer specifications.
- The fuser is worn or defective.

Try the following:

- Load paper from a fresh package in the paper tray.
- Avoid textured paper with rough finishes.
- Make sure the printer driver paper type setting matches the type of paper you are using.
- Replace the fuser¹.

[Transparency print quality is poor \(Print has inappropriate light or dark spots, toner is smeared, or horizontal or vertical light bands appear.\)](#)

- You are using transparencies that do not meet the printer specifications.
- The Form Type setting in the printer driver is set to something other than Transparency.

Try the following:

- Use only transparencies recommended by the printer's manufacturer.
- Make sure the Form Type setting is set to Transparency.

[Toner specks appear on the page.](#)

- The toner cartridge is defective.
- The fuser is worn or defective.
- Toner is in the paper path.

Try the following:

- Replace the toner cartridge. See [Replacing the Toner Cartridge](#).
- Replace the fuser¹.
- Call for service.

[Toner rubs off the paper easily when you handle the sheets.](#)

- The Paper Texture setting is wrong for the type of paper or specialty media you are using.
- The Paper Weight setting is wrong for the type of paper or specialty media you are using.
- The fuser is worn or defective.

Try the following:

- Change Paper Texture² from Normal to Smooth or Rough.
- Change Paper Weight² from Plain to CardStock (or other appropriate weight).
- Replace the fuser¹.

[Print density is uneven.](#)

The toner cartridge is defective. Replace the toner cartridge. See [Replacing the Toner Cartridge](#).

[Ghost images appear on the page.](#)

- The Form Type setting in the printer driver is set incorrectly.
- Toner level is low in the toner cartridge.

Try the following:

- Make sure the Form Type setting is correct for the paper or specialty media you are using.
- Replace the toner cartridge. See [Replacing the Toner Cartridge](#).

[Print only appears on one side of the page.](#)

The toner cartridge is not properly installed. Remove and then reinsert the toner cartridge.

[Margins are incorrect.](#)

The Form Size setting in the printer driver is different than the size paper that is loaded in the tray. Set the Form Size to the correct setting, and then reprint your job.

[Print is skewed \(inappropriately slanted\).](#)

- The guides in the selected tray are not in the correct position for the paper size loaded in the tray.
- The manual feeder's guides are not in the correct position for the paper size loaded in the feeder.

Try the following:

- Move the guides in the tray so that they are snug against the sides of the paper.
- Move the manual feeder's guides so that they are snug against the sides of the paper.

Printed pages are blank.

The toner cartridge is defective or empty. Replace the toner cartridge. See [Replacing the Toner Cartridge](#).

Printed pages are solid black.

The toner cartridge is defective, or your printer requires servicing.

Try the following:

- Replace the toner cartridge. See [Replacing the Toner Cartridge](#).
- Call for service.

Paper curls badly once it prints and exits to the bin.

The Paper Texture setting is wrong for the type of paper or specialty media you are using. Change Paper Texture² from Rough to Normal or Smooth.


¹ Call a service technician to replace the fuser.

² This setting can be changed using the Local Printer Settings Utility. See [Dell Local Printer Settings Utility](#) for more information.

Calling For Service

Before calling for service, check the following:

- Is the power cord plugged into the printer?
- Is the power cord plugged directly into a properly grounded electrical outlet?
- Is your printer properly connected to your computer?
- Are all other devices attached to your printer plugged in and turned on?
- Is the electrical outlet turned off by any switches?
- Did a fuse blow?
- Has a power outage occurred in your area?
- Is a toner cartridge installed in your printer?
- Is the printer cover closed completely?

If all else fails, try turning your printer off and back on again. If your printer is still not operating properly, call for service. If you are able to print, press and release Continue  to print a menu settings page,

which lists the printer model type and other information the service representative may need to know.

Contact Dell at support.dell.com for more information.

Printer Specifications

- [Overview](#)
 - [Environmental Specifications](#)
 - [Noise Emissions Levels](#)
 - [Emulation, Compatibility, and Connectivity](#)
 - [Operating System Support](#)
 - [Print Media Guidelines](#)
 - [Cables](#)
 - [Certifications](#)
-

Overview

	1710	1710n
Base memory	16MB	32MB
Maximum memory	144MB	160MB
Connectivity	Parallel and USB	Parallel and USB 10/100BaseTx Ethernet
Ships with print cartridge yield at approximately 5% coverage	3,000 pages	3,000 pages
Duty cycle (average)	500 pages/month	500 pages/month
Duty cycle (maximum)	10,000 pages/month	10,000 pages/month
Printer life	120,000 pages	120,000 pages

Environmental Specifications

Condition	Temperature	Relative humidity (non-condensing)	Altitude
Operation	16 to 32°C (60 to 90°F)	8 to 80%	0 to 2500M (8,200 feet)
Storage	0 to 40°C (32 to 104°F)	8 to 80%	
Shipping	-20 to 40°C (-4 to 104°F)	8 to 95%	0.25 atmospheric pressure (equivalent to 10,300M; 34,000 feet)

Noise Emissions Levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

1-meter average sound pressure, dBA	
Printing	52dBA
Idle (Standby mode)	30dBA

Emulation, Compatibility, and Connectivity

Emulations	PostScript 3, PCL 6
Compatibility	Windows 98 SE/Me, Windows 2000, Windows NT 4.0, Windows XP, Windows Server 2003
Connectivity	Parallel and USB 10/100BaseTx Ethernet (1710n only)

MIB Compatibility

A Management Information Base (MIB) is a database containing information about network devices (such as adapters, bridges, routers, or computers). This information helps network administrators manage the network (analyze performance, traffic, errors, and so on). The Dell Laser Printer 1710 complies with standard industry MIB specifications, allowing the printer to be recognized and managed by various printer and network management software systems, such as Dell OpenManage™, IT Assistant, Hewlett-Packard OpenView, CA Unicenter, Hewlett-Packard Web JetAdmin, Lexmark MarkVision Professional, and so on.

Operating System Support


The Dell Laser Printer 1710 supports:

- Microsoft Windows 98 2nd Edition
- Microsoft Windows Me
- Microsoft Windows XP
- Microsoft Windows x64
- Microsoft Windows NT 4.00
- Microsoft Windows NT 4.00 Server
- Microsoft Windows 2000 Professional

- Microsoft Windows 2000 Server
 - Microsoft Windows 2000 Advanced Server
 - Microsoft Windows Server 2003
 - Novell® NetWare® 5.x, 6.x including NDPS/iPrint support
 - Novell Distributed Print Services™ (NDPS™) 2.0 or later with Novell NDPS IP Gateway
 - Red Hat Enterprise 3.0
 - SuSE Enterprise Linux 8.0, 9.0
 - SuSE Linux 9.1, 9.2, 9.3
 - Debian 3.0 rev 2, 3.1
 - Linspire 4.5
 - Red Flag 4.0 (Simplified Chinese only)
 - Mac OS 9.2 and OS 10.2
-

Print Media Guidelines

Selecting the right paper or other media reduces printing problems. For best print quality, try a sample of the paper or specialty media you are considering before buying large quantities.

 **CAUTION:** Your product uses a printing process that heats the print media, and heat can cause certain media to release emissions. You must understand the section in your operating instructions that discusses the guidelines for selecting appropriate print media to avoid the possibility of harmful emissions.

- Use 20 lb (75 g/m²) xerographic paper.
- Use transparencies designed for laser printers.
- Use paper labels designed for laser printers.
- Use envelopes made from 24 lb (90 g/m²) bond paper. To reduce paper jams, do not use envelopes that:
 - Have excessive curl
 - Are stuck together
 - Are damaged in any way
 - Contain windows, holes, perforations, cutouts, or embossing
 - Use metal clasps, string ties, or metal folding bars

- Have postage stamps attached
- Have any exposed adhesive when the flap is in the sealed position
- Use card stock with a maximum weight of 163 g/m² and a minimum size of 3 x 5 in. (76.2 x 127 mm).

Media Types and Sizes

Source	Media and Size	Weight	Capacity
Tray 1	Paper, Labels: A4, A5, JIS B5, Letter, Legal, Executive, Folio, Statement Transparencies: A4, Letter	16–24 lb (60–90 g/m ²)	250 sheets (20 lb paper) 50 paper labels 50 transparencies
550-Sheet Optional Tray	Paper, Labels: A4, A5, JIS B5, Letter, Legal, Executive, Folio, Statement Transparencies: A4, Letter	16–24 lb (60–90 g/m ²)	550 sheets (20 lb paper) 50 paper labels 50 transparencies
Manual Feeder	Paper, Labels: A4, A5, JIS B5, Letter, Legal, Executive, Folio, Statement Transparencies: A4, Letter Envelopes: Monarch (7 ¾), 9, Com-10, C5, B5, DL Cardstock* Minimum Feed Size: 3 x 5 in. (76 x 127 mm) Maximum Paper Size: 8.5 x 14 in. (216 mm x 356 mm)	16–43 lb (60–163 g/m ²)	1 sheet (all media types)

*When printing cardstock using the manual feeder, open the rear exit. For more information, see [Using the Rear Exit](#).

Cables

Your Dell Laser Printer 1710 interconnection cable must meet the following requirements:

Connection	Cable certification
USB	USB 2.0
Parallel	IEEE-1284
10/100BaseT Ethernet	CAT-5E

Certifications

USB-IF

Regulatory Notices

- [FCC Notices \(U.S. Only\)](#)
- [IC Notice \(Canada Only\)](#)
- [CE Notice \(European Union\)](#)
- [Simplified Chinese Class A Warning Notice \(China Only\)](#)
- [EN 55022 Compliance \(Czech Republic Only\)](#)
- [VCCI Notice \(Japan Only\)](#)
- [MIC Notice \(Republic of Korea Only\)](#)
- [Polish Center for Testing and Certification Notice](#)
- [NOM Information \(Mexico Only\)](#)
- [ENERGY STAR® Compliance](#)

Electromagnetic Interference (EMI) is any signal or emission, radiated in free space or conducted along power or signal leads, that endangers the functioning of a radio navigation or other safety service or seriously degrades, obstructs, or repeatedly interrupts a licensed radio communications service. Radio communications services include but are not limited to AM/FM commercial broadcast, television, cellular services, radar, air-traffic control, pager, and Personal Communication Services (PCS). These licensed services, along with unintentional radiators such as digital devices, contribute to the electromagnetic environment.

Electromagnetic Compatibility (EMC) is the ability of items of electronic equipment to function properly together in the electronic environment. While this device has been designed and determined to be compliant with regulatory agency limits for EMI, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference with radio communications services, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the device with respect to the receiver.
- Move the device away from the receiver.
- Plug the device into a different outlet so that the device and the receiver are on different branch circuits.

If necessary, consult a Dell Technical Support representative or an experienced radio/television technician for additional suggestions.

Dell™ devices are designed, tested, and classified for their intended electromagnetic environment. These electromagnetic environment classifications generally refer to the following harmonized definitions:


- Class A is typically for business or industrial environments.
- Class B is typically for residential environments.

Information Technology Equipment (ITE), including devices, expansion cards, printers, input/output (I/O) devices, monitors, and so on, that are integrated into or connected to the computer should match the electromagnetic environment classification of the computer.

A Notice About Shielded Signal Cables: Use only shielded cables for connecting devices to any Dell device to reduce the possibility of interference with radio communications services. Using shielded cables ensures that you maintain the appropriate EMC classification for the intended environment. Cables are available from Dell at www.dell.com.

Most Dell devices are classified for Class B environments. However, the inclusion of certain options can change the rating of some configurations to Class A. To determine the electromagnetic classification for your device, see the following sections specific for each regulatory agency. Each section provides country-specific EMC/EMI or product safety information.

FCC Notices (U.S. Only)

Most Dell devices are classified by the Federal Communications Commission (FCC) as Class B digital devices. To determine which classification applies to your device, examine all FCC registration labels located on the bottom, side, or back panel of your device, on card-mounting brackets, and on the cards themselves. If any one of the labels carries a Class A rating, your entire device is considered to be a Class A digital device. If *all* labels carry an FCC Class B rating as distinguished by either an FCC ID number or the FCC logo, (), your device is considered to be a Class B digital device.

Once you have determined your device's FCC classification, read the appropriate FCC notice. Note that FCC regulations provide that changes or modifications not expressly approved by Dell could void your authority to operate this equipment.

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

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Class A

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

Class B

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

FCC Identification Information

The following information is provided on the device or devices covered in this document in compliance with FCC regulations:

- Model number: 1710/1710n
- Company name:

Dell Inc.
One Dell Way
Round Rock, Texas 78682 USA
512-338-4400

IC Notice (Canada Only)

Most Dell devices are classified by the Industry Canada (IC) Interference-Causing Equipment Standard #3 (ICES-003) as Class B digital devices. To determine which classification (Class A or B) applies to your device, examine all registration labels located on the bottom, side, or the back panel of your device. A statement in the form of "IC Class A ICES-003" or "IC Class B ICES-003" will be located on one of these labels. Note that Industry Canada regulations provide that changes or modifications not expressly approved by Dell could void your authority to operate this equipment.

This Class B (or Class A, if so indicated on the registration label) digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numérique de la Classe B (ou Classe A, si ainsi indiqué sur l'étiquette d'enregistrement) respecte toutes les exigences du Règlement sur le Matériel Brouilleur du Canada.

CE Notice (European Union)

Marking by the symbol **CE** indicates compliance of this Dell device to the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC of the European Union. Such marking is indicative that this Dell device meets the following technical standards:

- EN 55022 - "Information Technology Equipment - Radio Disturbance Characteristics - Limits and Methods of Measurement."
- EN 55024 - "Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement."
- EN 61000-3-2 - "Electromagnetic Compatibility (EMC) - Part 3: Limits - Section 2: Limits for Harmonic Current Emissions (Equipment Input Current Up to and Including 16 A Per Phase)."
- EN 61000-3-3 - "Electromagnetic Compatibility (EMC) - Part 3: Limits - Section 3: Limitation of Voltage Fluctuations and Flicker in Low-Voltage Supply Systems for Equipment With Rated Current Up to and Including 16 A."
- EN 60950-1 - "Safety of Information Technology Equipment."
- EN 60825-1 - "Safety of Laser Products."

NOTE: EN 55022 emissions requirements provide for two classifications:

- Class A is for typical commercial areas.
- Class B is for typical domestic areas.

To determine which classification applies to your device, examine the FCC or ICES information on the regulatory label located on the back, side, or bottom panel of the device. If the FCC or ICES information on the label indicates a Class A rating, the following Class A warning applies to your device:

RF INTERFERENCE WARNING: This is a Class A product. In a domestic environment this product may cause radio frequency (RF) interference, in which case the user may be required to take adequate measures.

If the FCC or ICES information on the label indicates a Class B rating, the following Class B statement applies to your device:

This Dell device is classified for use in a typical Class B domestic environment.

A "Declaration of Conformity" in accordance with the preceding directives and standards has been made and is on file at Dell Inc. Products Europe BV, Limerick, Ireland.

Simplified Chinese Class A Warning Notice (China Only)

On Class A systems, the following warning will appear near the regulatory label:

Warning: This is a Class A product. In a domestic environment this product may cause radio interference, in which case the user may be required to take adequate measures.

声明
此为A级产品。在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对其干扰采取切实可行的措施。

EN 55022 Compliance (Czech Republic Only)

This device belongs to Class B devices as described in EN 55022, unless it is specifically stated that it is a Class A device on the specification label. The following applies to devices in Class A of EN 55022 (radius of protection up to 30 meters). The user of the device is obliged to take all steps necessary to remove sources of interference to telecommunication or other devices:

Pokud není na typovém štítku počítače uvedeno, že spadá do třídy A podle EN 55022, spadá automaticky do třídy B podle EN 55022. Pro zařazení zařízení do třídy A (ochranné pásmo 30m) podle EN 55022 platí následující. Dojde-li k rušení telekomunikačních nebo jiných zařízení, je uživatel povinen provést taková opatření, aby rušení odstránil.

VCCI Notice (Japan Only)

Most Dell devices are classified by the Voluntary Control Council for Interference (VCCI) as Class B information technology equipment (ITE). However, the inclusion of certain options can change the rating of some configurations to Class A. ITE, including devices, expansion cards, printers, input/output (I/O) devices, monitors, and so on, integrated into or connected to the device should match the electromagnetic environment classification (Class A or B) of the device.

To determine which classification applies to your device, examine the regulatory labels/markings located on the bottom, side, or back panel of your device. Once you have determined your device's VCCI classification, read the appropriate VCCI notice (see "VCCI Class A ITE Regulatory Mark" or "VCCI Class B ITE Regulatory Mark").

Class A ITE

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

This is a Class A product based on the standard of the Voluntary Control Council for Interference (VCCI) for

information technology equipment. If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

VCCI Class A ITE Regulatory Mark

If the regulatory label includes the following marking, your device is a Class A product: 

Class B ITE

この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準に基づくクラスB情報技術装置です。この装置は家庭環境で使用することを目的としていますが、ラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをしてください。

This is a Class B product based on the standard of the Voluntary Control Council for Interference (VCCI) for information technology equipment. If this equipment is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

VCCI Class B ITE Regulatory Mark

If the regulatory label includes the following marking, your device is a Class B product:



MIC Notice (Republic of Korea Only)

To determine which classification (Class A or B) applies to your device, examine the Republic of Korean Ministry of Information and Communications (MIC) registration labels located on your device. The MIC label may be located separately from the other regulatory marking applied to your product. Line two of the label identifies the emissions class for the product—"A" for Class A products or "B" for Class B products.

NOTE: MIC emissions requirements provide for two classifications:

- Class A devices are for business purposes.
- Class B devices are for nonbusiness purposes.

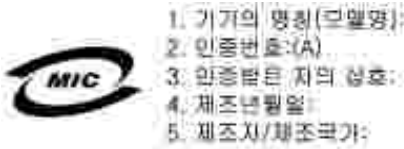
Class A Device

기종별	사용자안내문
A급 기기 (업무용 정보통신기기)	이 기기는 업무용으로 전자파 적합등록을 한 기기이오니, 판매자 또는 사용자는 이 점을 주의하시기 바라며, 만약 잘못 판매 또는 구입하였을 때에는 해당업체로 교환하시기 바랍니다.

Please note that this device has been approved for business purposes with regard to electromagnetic interference. If you find that this device is not suitable for your use, you may exchange it for a nonbusiness-purpose device.

MIC Class A Regulatory Label

If the regulatory label includes the following marking, your device is a Class A product:



Class B Device

기종별	사용자안내문
B급 기기 (가정용 정보통신기기)	이 기기는 가정용으로 전자파 적합등록을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

Please note that this device has been approved for nonbusiness purposes and may be used in any environment, including residential areas.

MIC Class B Regulatory Label

If the regulatory label includes the following marking, your device is a Class B product:



Polish Center for Testing and Certification Notice

The equipment should draw power from a socket with an attached protection circuit (a 3-prong socket). All equipment that works together (computer, monitor, printer, and so on) should have the same power supply source.

The phasing conductor of the room's electrical installation should have a reserve short-circuit protection device in the form of a fuse with a nominal value no larger than 16 amperes (A).

To completely switch off the equipment, the power supply cable must be removed from the power supply socket, which should be located near the equipment and easily accessible.

A protection mark "B" confirms that the equipment is in compliance with the protection usage requirements of standard PN-EN 55022.

Wymagania Polskiego Centrum Badań i Certyfikacji

Urządzenie powinno być zasilane z gniazda z przyłączonym obwodem ochronnym (gniazdo z kolkiem)

Współpracujące ze sobą urządzenia (komputer, monitor, drukarka) powinny być zasilane z tego samego źródła.

Instalacja elektryczna pomieszczenia powinna zawierać w przewodzie fazowym rezerwową ochronę przed zwarciami, w postaci bezpiecznika o wartości znamionowej nie większej niż 16A (amperów).

Aby całkowicie wyłączyć urządzenie z sieci zasilania, należy wyjąć wtyczkę kabla zasilającego z gniazda, które powinno znajdować się w pobliżu urządzenia i być łatwo dostępne. Znak bezpieczeństwa "B" potwierdza zgodność urządzenia z wymaganiami bezpieczeństwa użytkownika zawartymi w PN-EN 60950:2000 i PN-EN 55022:2000.

Jeżeli na tabliczce znamionowej umieszczono informacje, że urządzenie jest klasy A, to oznacza, że urządzenie w środowisku mieszkalnym może powodować zakłócenia radioelektryczne. W takich przypadkach można zadać od jego użytkownika zastosowania odpowiednich środków zaradczych.

Pozostałe instrukcje bezpieczeństwa

- Nie należy używać wtyczek adapterowych lub używać kołka obwodu ochronnego z wtyczki. Jeżeli konieczne jest użycie przedłużacza to należy użyć przedłużacza 3-żyłowego z prawidłowo połączonym przewodem ochronnym.
- System komputerowy należy zabezpieczyć przed nagłym, chwilowym wzrostami lub spadkami napięcia, używając eliminatora przepięć, urządzenia dopasowującego lub bezzakłócającego źródła zasilania.
- Należy upewnić się, aby nie leżało na kablach systemu komputerowego, oraz aby kable nie były umieszczone w miejscu, gdzie można byłoby na nie nalepywać lub potykać się o nie.
- Nie należy nalać napojów ani innych płynów na system komputerowy.
- Nie należy wpychać żadnych przedmiotów do otworów systemu komputerowego, gdyż może to spowodować pożar lub porażenie prądem, poprzez zwarcie elementów wewnętrznych.
- System komputerowy powinien znajdować się z dala od grzejników i źródeł ciepła. Ponadto nie należy blokować otworów wentylacyjnych. Należy unikać kładzenia luźnych papierów pod komputer oraz umieszczania komputera w ciasnym miejscu bez możliwości cyrkulacji powietrza wokół niego.

NOM Information (Mexico Only)

The following information is provided on the device(s) described in this document in compliance with the requirements of the official Mexican standards (NOM):

Exporter:	Dell Inc. One Dell Way Round Rock, TX 78682
Importer:	Dell Computer de México, S.A. de C.V. Paseo de la Reforma 2620 - 11° Piso Col. Lomas Altas 11950 México, D.F.
Ship to:	Dell Computer de México, S.A. de C.V. al Cuidado de Kuehne & Nagel de México S. de R.L. Avenida Soles No. 55 Col. Peñon de los Baños 15520 México, D.F.
Model number:	1710/1710n
Supply voltage:	100/240 VAC
Frequency:	50/60 Hz
Current consumption:	1.5 A
Output voltage:	20 VDC
Output current:	3.5 A

ENERGY STAR® Compliance

Any Dell product bearing the ENERGY STAR® emblem on the product or on a start-up screen is certified to comply with Environmental Protection Agency (EPA) ENERGY STAR® requirements as configured when shipped by Dell. You can also help reduce electricity usage and its side effects by turning off your product when it is not in use for extended periods of time, particularly at night and on weekends.

ENERGY STAR® Emblem



Appendix

- [Dell Technical Support Policy](#)
 - [Contacting Dell](#)
 - [Warranty and Return Policy](#)
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Dell Technical Support Policy

Technician-assisted technical support requires the cooperation and participation of the customer in the troubleshooting process and provides for restoration of the Operating System, application software and hardware drivers to the original default configuration as shipped from Dell, as well as the verification of appropriate functionality of the printer and all Dell-installed hardware. In addition to this technician assisted technical support, online technical support is available at Dell Support. Additional technical support options may be available for purchase.

Dell provides limited technical support for the printer and any Dell-installed software and peripherals. Support for third-party software and peripherals is provided by the original manufacturer, including those purchased and/or installed through Software & Peripherals (DellWare), ReadyWare, and Custom Factory Integration (CFI/DellPlus).

Contacting Dell

You can access Dell Support at support.dell.com. Select your region on the WELCOME TO DELL SUPPORT page, and fill in the requested details to access help tools and information.

You can contact Dell electronically using the following addresses:

- World Wide Web
www.dell.com/
www.dell.com/ap/ (for Asian/Pacific countries only)
www.euro.dell.com (for Europe only)
www.dell.com/la/ (for Latin American countries)
www.dell.com/jp/ (for Japan only)
- Anonymous file transfer protocol (FTP)
[ftp.dell.com/](ftp://ftp.dell.com/)
Log in as user: anonymous, and use your email address as your password.
- Electronic Support Service
mobile_support@us.dell.com
support@us.dell.com
apsupport@dell.com (for Asian/Pacific countries only)
support.euro.dell.com (for Europe only)
- Electronic Quote Service
sales@dell.com

apmarketing@dell.com (for Asian/Pacific countries only)

- Electronic Information Service
info@dell.com
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Warranty and Return Policy

Dell Inc. ("Dell") manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. For information about the Dell warranty for your printer, refer to the *Owner's Manual*.

Licensing Notice

The printer resident software contains:

- Software developed and copyrighted by Dell and/or third parties
- Dell modified software licensed under the provisions of the GNU General Public License version 2 and the GNU Lesser General Public License version 2.1
- Software licensed under the BSD license and warranty statements

Click the title of the document you want to review:

- [BSD License and Warranty Statements](#)
- [GNU License](#)
- [Other Third-Party Licenses \(Software\)](#)

The Dell modified GNU licensed software is free software; you can redistribute it and/or modify it under the terms of the licenses referenced above. These licenses do not provide you any rights to the Dell- or third-party-copyrighted software in this printer.

Since the GNU licensed software that the Dell modifications are based upon is supplied explicitly without warranty, use of the Dell modified version is similarly provided without warranty. See the warranty disclaimers in the referenced licenses for additional details.

To obtain source code files for the Dell modified GNU licensed software, launch the *Drivers and Utilities* CD that shipped with your printer and click Contact Dell, or refer to the "Contacting Dell" section of your *Owner's Manual*.

For source code that is required to be made available with the product, see the *Drivers and Utilities* CD in the \Install\licenses folder.

This product includes software developed by the Apache Software Foundation (<http://www.apache.org>).