



Printer Specifications

The printer provides the following features:

- Two print cartridges that provide color and true black printing without having to switch print cartridges.
- On-screen or verbal feedback of printer status.
- Low cost, near laser-quality print.
- Print Quality Enhancement Technology (PQET) that digitally enhances text and lines to produce smoother curves and sharper edges.
- Quiet operation.
- Printing support for Windows-based DOS applications.
- Portrait and landscape orientation.
- Indicates when the print cartridge is low on ink.
- Superior paper handling in the industry for this class of printer.
- Supports index cards, labels, envelopes, transparencies, and plain, coated and glossy paper.
- Supports automatic envelope feeding.
- Has 9-inch (23-cm) wide manual feed slot.
- Compatible with:
 - Microsoft Windows 3.1 or higher.
 - Windows for Workgroups.

Printer dimensions

| | | |
|--------|--------|----------|
| Height | 297 mm | 11.7 in. |
| Width | 436 mm | 17.2 in. |
| Depth | 269 mm | 10.6 in. |
| Weight | 4.3 kg | 9.5 lbs. |

Temperature and humidity

Print quality can vary depending on air temperature and relative humidity.

Operating temperature range: 10° to 40°C (50° to 104°F)

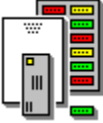
Optimum print temperature range: 16° to 32°C (60° to 90°F)

Optimum humidity range 20% to 60% RH

Operating humidity range: 8% to 80% RH (non-condensing)

See also

Your printer User's Guide



Paper, Envelope, Transparency, and Label Specifications

[Paper Types and Sizes](#)

[Envelope Types and Sizes](#)

[Transparency Types and Sizes](#)

[Label Types and Sizes](#)

Paper Types and Sizes

Satisfactory print quality can be obtained with many types of plain paper. Since the quality of plain paper varies widely, you should test the print quality before buying large quantities of paper.

To print on card stock, load the card stock with the envelope guides turned in, just as you would load an envelope.

The printer uses a variety of papers including:

- Xerographic paper
- Bond paper
- Dual-purpose paper
- Recycled bond paper

Because all paper varies in physical characteristics, you can receive mixed results from different packages of paper even though the packages contain the same type of paper. If you encounter undesirable results, try the other side of the paper, a different type, or another package of the same kind of paper.

Do not use the following types of paper with the printer:

- Continuous form feed paper
- Erasable bond paper
- Synthetic paper
- Thermal paper
- Multi-sheet forms and documents
- Chemically treated paper (carbonless paper)
- Papers printed with a printing process that uses chemicals that contaminate the paper feed mechanism components (paper with raised, embossed lettering)

Most papers have a preferred print side that is indicated on the paper package. Load the paper so the preferred print side faces you.

The following paper sizes can be used in the sheet feeder and the manual feeder:

| Paper size | mm | inches |
|-------------------|-----------|---------------|
| Letter | 216 x 279 | 8.5 x 11.0 |
| Legal | 216 x 356 | 8.5 x 14.0 |
| B5 | 182 x 257 | 7.2 x 10.1 |
| A4 | 210 x 297 | 8.3 x 11.7 |
| Executive | 184 x 267 | 7.3 x 10.5 |
| A5 | 148 x 210 | 5.8 x 8.3 |
| Index card | 76 x 127 | 3.0 x 5.0 |
| Postcard | 102 x 152 | 4.0 x 6.0 |

Note: Card stock must be loaded as envelopes.

Use paper that meets these specifications in the Sheet Feeder:

| | | |
|------------------|------------------|---------------------|
| Length | 127 to 364 mm | 5.0 to 14.33 in. |
| Width | 89 to 216 mm | 3.5 to 8.5 in. |
| Weight | 60 to 90 g/sqm | 16 to 24 lb |
| Thickness | 0.071 to 0.18 mm | 0.0028 to 0.007 in. |

Use paper that meets these specifications in the Manual Feeder:

| | | |
|------------------|------------------|---------------------|
| Length | 127 to 364 mm | 5.0 to 14.33 in. |
| Width | 76 to 228 mm | 3.0 to 9.0 in. |
| Weight | 60 to 120 g/sqm | 16 to 32 lbs. |
| Thickness | 0.071 to 0.18 mm | 0.0028 to 0.007 in. |

See also

Your printer User's Guide

Envelope Types and Sizes

The following envelopes can be used in the sheet feeder:

| Envelope size | mm | inches |
|----------------------|------------|---------------|
| # 7-3/4 | 98 x 191 | 3.9 x 7.5 |
| # 9 | 98 x 225 | 3.9 x 8.9 |
| # 10 (U.S. Business) | 105 x 241 | 4.1 x 9.5 |
| DL | 110 x 220 | 4.3 x 8.7 |
| C5 | 162 x 229 | 6.4 x 9.0 |
| B5 | 176 x 250 | 6.9 x 9.8 |
| postcard | 102 x 152 | 4.0 x 6.0 |
| index card | 76.2 x 127 | 3.0 x 5.0 |
| C6 | 114 x 162 | 4.5 x 6.3 |

Note: To print on card stock, load the card stock with the envelope guides turned in, just as you would load an envelope.

The dimensions for the manual feeder are:

| | | |
|---------------|-----------------|------------------|
| Length | 127 to 364 mm | 5.0 to 14.33 in. |
| Width | 76 to 228 mm | 3.0 to 9.0 in. |
| Weight | 60 to 120 g/sqm | 16 to 32 lbs. |

Do not use the following types of envelopes:

- Envelopes with windows, holes, perforations, cutouts, or deep embossing
- Envelopes with a metal clasp, a string tie, or metal folding bars
- Envelopes with peel-off sealing strips
- Envelopes with contents enclosed

The printed image is not waterfast. You may want to place a piece of transparent tape over the print when you print on envelopes.

See also

Your printer User's Guide

Transparency Types and Sizes

The printer supports letter and A4 size transparencies. Use a transparency designed for an ink-jet printer. Do not use transparencies designed for copiers and laser printers, or for pen plotters.

When handling transparencies:

- Do not touch the side of the transparency to be printed on.
- Store unused transparencies in the original packaging.
- Do not store transparencies in excessively hot or humid environments.

Transparencies take time to dry. Be careful not to touch the printed surface until the ink is dry.

If you are printing several transparencies at one time, remove each transparency as it exits the printer and allow it to dry before stacking.

Use the sheet feeder to print on transparencies. The page sizes for transparencies are:

| Paper size | mm | inches |
|-------------------|-----------|---------------|
| Letter | 216 x 279 | 8.5 x 11.0 |
| A4 | 210 x 297 | 8.3 x 11.7 |

See also

Your printer User's Guide

Label Types and Sizes

Use the sheet feeder or manual feeder to print on labels. The page sizes for labels are:

| Label size | mm | inches |
|-------------------|-----------|---------------|
| Letter | 216 x 279 | 8.5 x 11 |
| A4 | 210 x 297 | 8.3 x 11.7 |

For best results, labels used in the printer should meet the following requirements:

- Do not use label sheets with a slick backing material.
- Be sure the adhesive does not come in contact with any part of the printer.
- Use full label sheets. Partially used sheets (with areas exposed by missing labels) can cause labels to peel off during printing and can damage the printer.

If the sheet feeder will not feed your labels, try the manual feeder.

See also

Your printer User's Guide

Using Help in the Printer Driver

Using Help

- Click on Search.
Enter a term in the Search dialog box.
Click on Show Topics for a list of related topics.
- Click on Back to return to the topic you just viewed; or Click on History and select a topic from the list.
- Click on Contents to go back to the main table of contents for this help file.
- Click hot text or a hot graphic for more information.
The mouse pointer changes from an arrow to a pointing hand when it is over hot text or graphics.

Getting Help on a Tab, Dialog Box, or Message

- Click on Help in the tab, dialog box, or message.
- Click an option in the tab or dialog box and press F1.

Getting More Information on Using Help in Windows

- Press F1 when online Help is displayed.
- Click How To Use Help from the Help menu when online Help is displayed.

OKIDATA Support and Service

This information is valid for the United States and Canada only.

When you call, you should be at your computer and have your OKIJET(tm) 2010 User's Guide at hand. Be prepared to give the following information:

- Serial no. of your printer (located on back panel)
- Type of computer hardware you are using
- Exact wording of the messages that appeared on your screen
- What happened and what you were trying to do when the problem occurred
- How you tried to solve the problem

Contact Your Dealer

Consult the store where you purchased your printer, or call 1-800-OKIDATA for the location of the nearest Authorized OKIDATA Service Dealer. Have your ZIP code ready.

Use The OKIDATA Information System Automated Attendant

Call 1-800-OKIDATA. The OKIDATA Information System Automated Attendant is available 24 hours a day, 7 days a week.

Use OKIDATA Faxable Facts

Call 1-800-654-6651 and have your choice of product support bulletins, the latest information on print cartridges, etc., automatically faxed to you directly.

Contact Your OKIDATA Customer Support Representatives

Call 1-800-OKIDATA to speak with an OKIDATA Customer Support Representative, Monday through Friday, 8 a.m. to 6 p.m. EST.

OKIDATA Regional Service Depots

- Call the nearest depot for a return authorization number
- Allow 3½ business days for repair via a depot
- Carry-in repairs must be called in first to schedule service

East: 57 Carnegie Plaza
Cherry Hill, NJ 08003
Attn. Field Service Dept.
(609) 235-2600, x8273

Central: 851 Feehanville Drive
Mt. Prospect, IL 60056
Attn.: Field Service Dept.
(708) 390-8610, x21

West: 1101 Cadillac Court
Milpitas, CA 95035
Attn.: Field Service Dept.
(408) 945-6600,
x3322/3335

Canada: 2735 Matheson Blvd. East
Unit 1
Mississauga, Ontario
L4W4M8
(905) 602-6400, x235

Overnight Exchange

If you choose to use our Overnight Exchange service, call 1-800-OKIDATA: if our trained personnel determine that your printer hardware is defective, an exchange machine will be shipped to you via air express, to be received the next business day or no later than the second business day.

You must return the failing machine to OKIDATA by packing it in the materials from the exchange machine and making it available for pickup by OKIDATA's representative within two business days from your receipt of the machine: failure to do so will result in your being charged the full price of the exchange machine.

For more information, see your *OKIJET 2010* Users Guide.

This information is valid for the United States and Canada only.

Ordering Print Cartridges

How to Order Print Cartridges

Before you order, make sure you know your printer model number (on the front of the unit) and have the correct description and part number for the print cartridge.

| <i>Description</i> | <i>Part No.</i> |
|-----------------------|-----------------|
| Black Print Cartridge | 52109301 |
| Color Print Cartridge | 52109302 |

Ways to Purchase Print Cartridges

In the United States:

- Consult the dealer where you purchased your printer
- Consult an Okidata Authorized Sales or Service Dealer. Call 1-800-OKIDATA for the nearest Authorized Sales and Service location. Have your ZIP code and telephone area code ready for our Customer Support Representatives.
- To purchase print cartridges directly from OKIDATA, call 1-800-OKIDATA.

In Canada:

- Consult the dealer where you purchased your printer
- Consult an Okidata Authorized Sales or Service Dealer. Call 1-800-OKIDATA for the nearest Authorized Sales and Service location. Have your ZIP code and telephone area code ready for our Customer Support Representatives.
- To purchase print cartridges directly from OKIDATA, call 1-905-602-6400.

In South America:

- Consult the dealer where you purchased your printer

See also

Your printer User's Guide



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Introduction

Welcome to the printer driver for Microsoft Windows. It is designed to make your printing fast and effortless, giving you fast release from your application programs as well as exceptional print quality.

Printer Driver Overview

This printer driver gives you a number of significant printing advantages.

- It is easy to select the printing options because most selections will show you on-screen graphics of how they will appear when printed. Tabbed folders also give you quick access to all printing options.
- Your software release time is very quick even when using sophisticated print options such as Air Brush.
- Colors are richer and more true to the screen image because the printer driver uses color correction for screen-to-printer color WYSIWYG.
- Photographs look realistic and graphics appear smoother because of the printer driver's advanced Air Brush (diffusion) halftoning.
- Overall, the printer driver reduces print time significantly, especially for color print jobs.

The printer driver consists of a number of distinct elements:

- The printer driver for your printer.
- The Spool Manager.
- The Printer Control Program.

Each of these elements works together to provide an optimum printing environment for your printer.

The printer driver is generally accessed from the Printer Setup option in your application software or from the Printers icon of the Microsoft Windows Control Panel.

The printer driver can also be accessed by choosing the Windows Printing tab in the Printer Control program.

See Also

[A Technical Description of the Printer](#)

Release Time

This is the time that it takes for control to return to you from the Print option within your application.

The printer driver returns you to your application quickly so that you can continue working while your printing completes in background.

WYSIWYG

What You See Is What You Get. Generally with the printer driver, what you see on the screen is what you get on the printer in terms of colors, image size, and density.

Diffusion

Most printing systems use dithering to represent an image, which can give a grainy result. The printer driver supports Air Brush (diffusion) printing and uses an advanced rendering technique to generate a smoother image. Graduated fills look better, images look clearer and photographs look much closer to the original.

With very complex images, Air Brush printing can sometimes take a little longer than dithering, but generally the results are well worth it. You will have to experiment with the halftone that best suits the picture that you are printing.

Air Brush

Air Brush is a name for a modified Floyd-Steinberg Error-Diffusion, sometimes called the diffusion or scatter style of printing.

Dithering

When images are printed using the dithering selections from the halftoning tab, the printer driver uses a matrix of dots to represent the image. You will have to experiment with the halftone that best suits the picture that you are printing. In most cases the Air Brush setting should give the best results.

A Technical Description of the Printer

If you are familiar with the internal operations of Microsoft Windows, the following technical description may be of interest.

This printer is an advanced Windows GDI-style software printing system that operates as follows:

- The application is told by the printer driver that the printer is a raster device that can render the entire image in a single band. The printer driver also reports that certain advanced printing options are supported. All of these special capabilities saves the application work and avoids having to replay the picture multiple times.
- The Graphics Device Interface (GDI) commands necessary to represent the image are encoded into a highly-optimized journal file. The application releases when generation of the journal is complete. Journal files are very compact and are the same size regardless of whether the print is in color or monochrome. Using a journal means that the entire document can be replayed to simulate multiple hardware copies or to provide last-to-first printing options.
- The Spool Manager initiates the Printer Control Program, which replays the journal file back to the mini-driver for the target device. Both the Spool Manager and the Printer Control Program use a highly efficient tasking system to ensure minimum impact on the foreground application.

See Also

[Spool Manager](#)

[Printer Control Program Overview](#)

[Journal File](#)

Windows GDI

Graphics Device Interface (GDI) is the part of the Microsoft Windows environment that allows applications to draw lines, circles, polygons, text and control other graphic elements on the output device (screen, printer, plotter, and so on).



Printer Setup

The printer driver is designed to provide the best print output default settings for your printer. If you need to change the default settings, the printer driver provides you with easy-to-use tabs containing printer setup options. The setup options for the printer driver can be reached through the Windows Control Panel, through the Print Setup option of most software, and through the Printer Control Program.

See Also

[OK Button](#), [Cancel Button](#), [Defaults Button](#)



Paper

Paper Size

User-Defined Paper Size

Orientation

Paper Source

Copies

Collate

Reverse Page Order

Media Type & Print Quality

Media Type

Print Quality

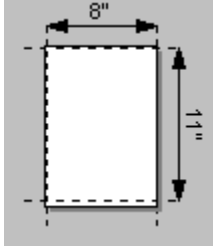
Addressability

High Speed Printing Option

Document Type & Color Format

Document Type

Color Format



Paper Size

Click the paper size that you want from the Paper Size list. If the paper size required is not displayed, use the scroll bar to locate the correct size. You can also click one of the sizes displayed and then use the arrow keys on your keyboard to move up and down the list. The graphic below the list displays the currently selected paper size, orientation and printable area (shown by the dimensions within the dotted lines).

User-Defined Paper Size

When you select the User-Defined option from the Paper Size list, a popup window appears. Enter the width and height of the paper. The dimensions you enter should be the full size of the paper. The actual printable area will normally be slightly less than these dimensions.

Orientation

Portrait and landscape orientations define the way that the image is printed on paper. For most paper types, portrait is tall:

Portrait



and landscape is wide:

Landscape



Portrait orientation is generally used for correspondence and reports. Landscape orientation is often used for spreadsheets, transparencies, and envelopes.

Paper Source

Use the drop-down list to select a paper source for your printer. The printer has an Automatic Sheet Feed and a Manual Sheet Feed. See your printer User's Guide for more information.



Copies

Enter the number of copies from 1 to 99 that you want printed. If your application lets you specify the number of copies, it is generally best to set this number to 1 and specify the number of copies in your application.



Collate

Use this option when you are printing multiple copies so that all pages of one copy are printed before the next copy begins printing.



Reverse Page Order

Choose Reverse Page Order to begin printing with the last page of the document, so that the first page of your document will be on top of the stack in the output tray when your print job is complete.

Color Format

Choose Monochrome if you want to print with only the black cartridge (the color cartridge is not used).

Choose Color (CMY) if you want to print with only the color print cartridge.

Choose Color/Monochrome (CMYK) if you want to print with the color print cartridge and with the black print cartridge.

Addressability

The Media/Quality tab of the printer driver lets you select the number of dots per inch (dpi). Choosing the highest dpi produces finer, high-quality print, but takes longer to process and print. Use the lower dpi for normal, everyday printing.

Note: The Print Preview function available in some applications may not be able to **display** an image correctly when 600 x 300 dpi is selected. However, the image will **print** correctly.

Print Preview

The ability to see how the printed page will appear before it is printed.

High Speed Printing

Choose High Speed Printing to speed up the printer.

If you are experiencing blurred or fuzzy printing, turn off the High Speed Printing option.



Halftoning

The Halftoning tab lets you select the fine dot pattern used to create printed images. In general, pattern dithering produces textured images and is suitable for general word processing and simple, solid graphics.

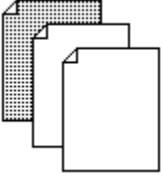
The No Halftoning option can be selected if you only want to print plain (non-dithered) text. Use the Air Brush option if you want to enhance photographs and produce smoother-looking quality pictures. Text output quality is excellent for all halftoning methods.

Make sure you choose the halftoning option that is appropriate to the type of picture you are printing. Use the following table as a guide.

| Halftone method | Use for.. |
|-------------------------|---|
| No halftoning | text and no graphics. This is the fastest setting. |
| Line art pattern | simple line art and computer graphics. |
| Fine dither pattern | graphic images with significant detail but limited shading. |
| Air Brush (Standard) | photographic images or equivalent drawing. Excellent quality, normal speed. |

Note:

You should experiment with different Halftone options to learn which ones are best suited to your printing needs.



Media Type

Choose the media type you want from the Media Type list. The Print Quality selection changes automatically based on your Media Type selection to give you a higher level of print quality on special media.

- Select Plain Paper for typical xerographic paper.
- Select Coated for printing on coated papers specifically designed for printing with the color cartridge.
- Select Premium Coated Paper for printing on coated papers specifically designed to print with the color and black cartridges.
- Select Transparency for printing on a transparency.
- Select Glossy for printing on glossy paper.

For more information on the types of paper that work best with this printer, see [Paper Types and Sizes](#).



Print Quality

This option lets you control the print quality of your output. The option you select may affect the speed of your output as well.

- Select Presentation for best print quality and reduced speed.
- Select High for slightly reduced speed and good print quality. Slowing down the print speed can improve print quality on some papers.
- Select Normal for normal speed and good print quality.
- Select Draft quality for fast speed, ink conservation, and good print quality.

Image Settings

The Image Settings tab lets you override the default image settings used by the printer driver. Although the settings are designed to give you the best results, this tab gives you additional custom control.

You can control the brightness and contrast settings. The image to the right of these controls gives an impression of the final result of your changes to the settings. The image may not appear exactly as you would expect if your color monitor does not support enough colors.

Changing the Image Bitmap

If you want to load another bitmap (.BMP) file in place of the default, double-click inside the image area. A Change Image Control Bitmap file dialog box will display to let you choose another bitmap file. Depending on the size of the bitmap you choose, only a portion of the bitmap may be displayed.

Enable Ink Density Correction

This option adjusts the amount of ink the printer uses during printing to compensate for the density of the ink. Printing without this option usually produces pictures that are darker than shown on screen. This option is checked by default.

OK Button

The OK button closes the dialog and saves any changes that may have been made. Click the OK button if you open a dialog box and make changes you want to save.

Selecting the OK button:

- Click the mouse over the button.
- Press the Enter key at any time the input focus is not on one of the other three buttons.
- Press and release the space bar while the button has input focus.

Cancel Button

The cancel button closes a dialog and discards any changes that may have been made. Click the cancel button if you open a dialog box and make changes that you decide you do not want.

Selecting the Cancel button:

- Click the mouse over the button.
- Press the Esc key at any time.
- Press the Enter key while the button has input focus.
- Press and release the space bar while the button has input focus.

Defaults Button

The Defaults button restores all of the driver settings to those you had when the printer driver was first installed on your system.

Document Type

The Document Type option is used to quickly configure the driver for a particular type of document. When a document type is selected, other options within the driver setup change to best accommodate that document type.

After selecting a Document Type, you might want to browse through the Media/Quality, Halftoning, and Image Settings tabs to see the settings. You are free to change any of the options that are affected by the document type but, if you do, the current document type will change to the Custom setting.

| Document Type | Settings |
|----------------------|--|
| Automatic | Selects the appropriate settings for Print Quality, Color Format, and Halftoning, depending on the document type. |
| Black Text | Sets addressability to 300 x 300, Print Quality to Normal, Color Format to Monochrome, and Halftoning to Airbrush (Standard). |
| Photographic Color | Sets addressability to 300 x 300, Print Quality to High, Color Format to Color/Monochrome (CMYK), and Halftoning to Airbrush (Standard). |
| Business Graphics | Sets addressability to 300 x 300, Print Quality to Normal, Color Format to Color/Monochrome (CMYK), and Halftoning to Airbrush (Standard). |
| Gray Scale | Sets addressability to 300 x 300, Print Quality to High, Color Format to Monochrome, and Halftoning to Airbrush (Standard). |
| Color Draft | Sets addressability to 300 x 300, Print Quality to Draft, Color Format to Color/Monochrome (CMYK), and Halftoning to Line Art. |
| Black Draft | Sets addressability to 300 x 300, Print Quality to Draft, Color Format to Monochrome, and Halftoning to Line Art. |
| Custom | Automatically selected if you change any of the options affected by the chosen document type. |



About

The About box tells you the version numbers of your printer driver, and trademark and copyright information.



Cartridges

[Install Cartridges](#)

[Clean Print Nozzles](#)

[Align Cartridges](#)

[Ink Saver](#)

Install Cartridges

Choose Install Black Cartridge to initiate print cartridge installation and reinstallation for the black print cartridge. See your printer User's Guide for more information.

Choose Install Color Cartridge to initiate print cartridge installation and reinstallation for the color print cartridge. See your printer User's Guide for more information.

Clean Print Nozzles

Choose Clean Print Nozzles to initiate the print cartridge nozzle test and cleaning. Use the cleaning procedure when you think one or more of the nozzles on the printhead are clogged. (Missing portions of characters indicate clogged nozzles.) For more information, see your printer User' s Guide.

Align Cartridges

Select the alignment patterns for Horizontal Align, Vertical Align, Black Bidi Align, and Color Bidi Align, and enter the values in the appropriate boxes.

When choosing the Black and Color Bidi Align patterns, look closely and choose carefully. If the pattern you select is not a good alignment, select the best alignment pattern and perform the alignment procedure again. You might have to do the alignment procedure several times to get good bidirectional alignment for the black and color printheads.

See aligning the printheads section in your printer User's Guide for more information.

Ink Saver

Ink Saver settings let you to vary the amount of ink the printer uses to produce text and graphics. Using the ink-saver feature can increase cartridge yield, improve print quality on some papers, reduce darkness of print, and reduce time required for ink to dry.

- From the Ink Saver list, choose Off, Medium, or Maximum.
- Off turns off ink saving.
- Medium indicates Ink Saver is active at a medium setting.
- Maximum indicates Ink Saver is active for the maximum ink savings. Maximum keeps the ink from soaking the page and reduces the amount of time required for the ink to dry. Use Maximum when printing graphics with large areas of solid or dark colors.

Status

The Status tab lets you view the amount of ink remaining in your cartridges, watch as your job progresses through the printer, and control some printer functions.

| Button Name | Function |
|--------------------|--|
| Cancel Print | Stops the current print job and lets you choose to delete the print job. |
| Resume/ Pause | Lets you Pause the current print job. If a job is paused, the button becomes a Resume button to let you resume a paused print job. |
| Reprint | Lets you reprint a print job starting with a specific page. Useful for recovering a page lost due to a paper jam or paper misfeed. |
| Eject Paper | Performs a form feed. |
| Print Test Page | Lets you print a test page to ensure your printer is functioning. |

Options

The Options dialog box lets you select how status information is displayed and lets you enable sound effects.

Status Monitor Options

- Always on Top displays this printer's status boxes always on top of other windows.
- Popup on Error displays the Printer Control Program dialog box when you are printing and an error occurs. This dialog box displays print job progress and printer status messages.
- Run Minimized reduces the Printer Control Program dialog box to an icon when you are printing.
- Close Status at End of Job closes the dialog box when the job is complete.
- Sound Effects Enabled turns on the sound files that were on your system when it was installed.

Cartridges

The Cartridges tab lets you perform cartridge maintenance functions and view the amount of ink remaining in your cartridges.

To initiate any of the maintenance functions, choose the appropriate button. For more information see:

[Install Cartridges](#)

[Clean Print Nozzles](#)

[Align Cartridges](#)

Change Color Cartridge

For the Ink Level Indicator to work correctly, you must make the appropriate choice in this window.

If you are installing a new, unused cartridge, choose the New Cartridge Installed button.

If you are reinstalling a used cartridge, choose the Old Cartridge Installed button.

Change Black Cartridge

For the Ink Level Indicator to work correctly, you must make the appropriate choice here. If you are installing a new, unused cartridge, choose the New Cartridge Installed button. If you are reinstalling a used cartridge, choose the Old Cartridge Installed button.

Align Cartridges

To obtain the highest quality from your printer, the cartridges must be aligned.

The Align Cartridges dialog box is displayed automatically after a new cartridge is installed.

Printhead alignment can also be initiated by choosing the Align Cartridges button on the Cartridges tab.

For complete instructions, see your printer User's Guide.

DOS Printing

The DOS Printing dialog box lets you change the printer setting for applications that are not Windows-based applications.

Print Quality

- Letter gives good print quality at normal speed.
- Draft gives good print quality, fast speed, and ink conservation.

Ink Saver

Ink Saver settings let you vary the amount of ink the printer uses to produce text and graphics. Using Ink Saver can increase cartridge yield, improve print quality on some papers, reduce darkness of print, and reduce the time required for the ink to dry.

- Off turns off Ink Saver.
- Medium indicates Ink Saver is active at a medium setting.
- High indicates Ink Saver is active for maximum ink savings, especially when you print graphics with large areas of solid black or dark gray. This setting keeps the ink from soaking the page, and reduces the amount of time required for the ink to dry.

Paper Source

The printer has a Manual Sheet Feed and a Automatic Sheet Feed.

- Select a paper source from the list.

Paper Size

- Select the paper size you want from the list.

Paper Type

- Select Plain Paper to print on normal xerographic paper.
- Select Coated Paper to print on coated paper for ink-jet printers.
- Select Glossy Paper to print on glossy paper.
- Select Transparencies to print on transparencies.

Orientation

- Select Portrait to print in an upright page orientation (the page is taller than it is wide).
- Select Landscape to print in a horizontal page orientation (the page is wider than it is tall). When Landscape is selected, you can select from three fonts: Courier 10, Courier 16.67, and Courier 20.

Font Settings

- Select a Font from the list.
- Select a Character Set from the list.

Enable Font Download

- Select Enable Font Download to use any fonts that were downloaded from a software application.

Other

- Select the Graphics resolution in dots per inch (dpi) from this list. The default is 75 dpi.
- Select a CR (carriage return) from this list. CR and LF instructs the printer to perform a line feed (LF) after each carriage return (CR). The default is CR Only.
- Click Text Scale Mode to turn on text scaling. Text Scale Mode affects the vertical line spacing of your print job. For example, for a 216 x 279 mm (8.5 x 11 in.) page with a 13mm (1/2 inch) bottom margin, Off prints 63 lines per page; On prints 66 lines per page. Note:

When Perforation Skip is On, Text Scale Mode is ignored.

- Click Perforation Skip to turn it on. When it is on, the printer adds a 13mm (1/2 in.) top margin to the print job. Note: When Perforation Skip is on, Text Scale Mode is ignored.
- Select Redirect Port to change the printer port. This option allows you to perform PCL 3 emulation printing from the DOS box of Windows.
- Select High Speed Printing to print at a faster rate.
- Select Form Feed Timeout to designate the timeout period for form feed. The default is 15 seconds.
- Click Print Fonts to print out a list of available fonts.
- Click Defaults to return all options settings to those you had when the printer driver was first installed on your system.

Windows Printing

Click Windows Driver Setup to access the Media/Quality, Paper, Cartridges, Document Type/Color, Halftoning, and Image Settings tabs. These tabs let you select options that control how your output appears when it is printed.

Click Spool Manager to access the Spool Manager window.

The Spool Manager

When the printer driver releases your program, a print file is created in the default spool directory. When a print job is created, the Spool Manager is notified and assigns it to the print queue. When the print job comes to the top of the queue it is submitted to the Printer Control Program and sent to the target printer.

The Spool Manager allows comprehensive control over the Printer Control Program, print queues, and print jobs. You can also enable remote network printing from the Spool Manager.

The Spool Manager Window

The Queue Menu

The Document Menu

The View Menu

The Options Menu

The Help Menu



Journal File

The printer driver generates a compact print job file, which contains a complete description of your print job in a form that can be processed easily. This file is similar to a tape recording in that it can be played (printed), replayed (reprinted) and rewound (restarted) in order to process your print job.

Default Spool Directory

The Default Spool Directory for print job files is usually specified by the DOS environment string SET TEMP=.

To change this setting, select the Default Spool Directory item from the Options menu in the Spool Manager.

The Spool Manager Window

The Spool Manager window shows the list of print jobs currently printing or waiting to print.

Queues

The print queue is shown in normal intensity. Queues shown in low intensity are supported by other Windows printer drivers.

You can change the print queue setup by double-clicking on it or by clicking once to select it and then choosing an option from the Queue menu.

Print Jobs

Print Jobs sent to the printer are shown in the print queue for this printer.

You can stop individual print jobs from printing, place a job on hold, delete a job, or queue a job for later printing either by double-clicking the print job or by clicking once to select it and then choosing an option from the Document menu.

Queues

A queue is a list of print jobs currently printing or waiting to print. Queues are always associated with a print device and can be local to the workstation or remote (directed across a network to another workstation).

When you hold a queue, print jobs will not be printed but will wait until the queue is released. You will see a wait symbol by the printer icon when the queue is on hold.

The Queue Menu

The Queue menu lets you put print queues on hold, release the queues so jobs will print, and identify queues as local or remote (for network printing). The following options are available:

Holding a Queue

1. Click the printer queue for this printer.
2. Select Hold from the Queue menu.

A check mark is placed next to Hold to indicate the queue is currently on hold. The Spool Manager also places a wait symbol beside the printer icon. Print jobs are not submitted for printing.

Releasing a Queue

1. Click the printer queue for this printer.
2. Select Hold from the Queue menu to remove the checkmark and release the queue.

Using The Windows Print Manager

The Printer Control Program usually prints directly to the printer. If you are using a network or if you wish to schedule print jobs through the conventional Windows Print Manager, follow these steps:

1. Click the printer queue.
2. Either double-click the queue or select Setup from the Queue menu.
3. Select Use Print Manager for This Port and click OK.

Network Printing

This printer allows you to send print job files from your workstation (Host) to a shared directory on a network server. These files can be printed by another workstation (Remote) that is set up to run the Spool Manager and associated printer driver(s). You can do this as follows:

Host Setup

1. Click the printer queue for this printer.
2. Either double-click the queue or select Setup from the Queue menu.
3. Select the printer option Spool to Remote.
4. Click the Browse button and select the spool directory on the remote server that you want to receive print files from the Spool Manager.

Remote Setup

1. Install the printer driver and the required printer driver(s) using the Installation Diskettes provided with your printer.
2. Run the Spool Manager by executing WWSPLMGR.EXE from the WINDOWS\SYSTEM directory.
3. Either double-click the queue or select Setup from the Queue menu.
4. Select the Remote Despool tab and click Printing from Remote Queues.
5. Click the Browse button and select the spool directory on the remote server that will hold print jobs from host workstations.

Journals will be identified by the Spool Manager and submitted for printing.

Note:

This feature is quite different from the traditional remote printer spooling provided by most network operating systems. Use your network to redirect the printer LPTx: ports in the usual way to take advantage of that feature. You may also need to enable the Windows Print Manager as described on some network operating systems when port redirection is utilized.

The Document Menu

The Document menu allows you to control individual print jobs in your queue.

To select options appropriate to a print job, either double-click the print job or select Info from the Document menu.

Print jobs can be held, requeued for printing later, deleted, or kept for subsequent reprinting.

The View Menu

The View Menu lets you limit the amount of information that the Spool Manager gives you. In addition, you can control the display of the Printer Control Program window. Spool Manager places a check mark beside each option selected in the View Menu.

If the Show Despool Popup is cleared (no check mark is beside it), the Printer Control Program window does not appear when print jobs are submitted for printing. The Printer Control Program popup does appear, however, if an error is reported by the printer.

For more information about the Printer Control Program, see [Printer Control Program](#) topic.

The Options Menu

The Options Menu controls the default spool directory, timer and font selections as follows.

Default Spool Directory

To override the default TEMP directory setting, choose a default spool directory from the Options menu. Print jobs will be sent to this directory instead. This option is equivalent to the Spool Directory setting in the Queue Menu Setup option, except that it applies to all queues.

Timers

The Update Timer tells the Spool Manager how often to refresh the information displayed in the Spool Manager window.

The Remote Timer tells a remote Spool Manager how often to look for new print jobs in a network directory.

See the Queue Menu for more details about network printing.

Font

This option lets you set the default font that the Spool Manager uses for displaying information in the Spool Manager window.

The Help Menu

The Help Menu provides copyright, trademark and version information about the Spool Manager through the About option.

Printer Control Program Overview

When a print job is processed by the Spool Manager, it is submitted to the Printer Control Program.

The Printer Control Program lets you view printer status, print from DOS applications, perform cartridge maintenance functions, view print job progress, and control how your printer handles status windows. You can also use the Printer Control Program to cancel a print job, pause or resume a print job, and print a test page.

Status messages and symbols representing error conditions are displayed on the image of your printer in the Printer Control Program window.

When you correct a problem with the printer, the Printer Control Program senses this and continues with the print job. If a serious error occurs, such as printer power failure, it is suggested that you requeue the print job and print it again.

Unless indicated otherwise in the Options tab, the Printer Control Program window appears automatically when you submit a job for printing.

To access the Printer Control program when you are not printing:

1. Open the program group for this printer.
2. Double-click on the Printer Control program icon.



Questions and Answers

The following common questions and answers provide important information about using a printer driver:

- Q.** *Do I really need to change ink or Halftone options in the printer driver setup?*
- A.** Not really. You can use the default printer driver settings for most printing needs. However, if you want a different resolution or special paper for presentations, you must change some settings.
- Q.** *What does the Defaults button do?*
- A.** It restores the driver settings to those you had when printer driver was first installed on your system.
- Q.** *Although I selected one of the Air Brush halftone options, my pictures do not appear to be diffused. Why?*
- A.** Your software may be overriding the halftone processing of the driver. Look at your software for an option that lets you use printer halftones so that the printer driver can do its job.
- Q.** *I am trying to print an image. Whatever Halftone option I select in the printer driver, the resulting output always looks the same. What is the problem?*
- A.** It may be that the image you are trying to print has already been set to halftone by your software and the software is overriding the halftone setting of the driver. Look at your software for an option that lets you use printer halftones so that the printer driver can do its job. You can also print the image with another program.
- Q.** *I am printing a word processing document and my print time is quite slow. What is the reason for this?*
- A.** The Air Brush (Standard) option in the halftone settings dialog box is the default setting on most printer drivers. Although this setting usually gives the best print quality for graphics, the dither options provide greatly enhanced print performance when you print text-intensive documents. Also, change the Print Quality setting to Normal or Draft.
- Q.** *I cannot seem to print to a Windows remote printer from my Windows for WorkGroups or LAN setup. What is the problem?*
- A.** You need to direct the Spool Manager to print through the standard Windows Print Manager. Do this by running WWSPLMGR.EXE. Double-click the printer queue that you wish to direct through Print Manager. Select the Use Print Manager for this port option. Choose the OK button and close the application. Subsequent prints will be sent through the Windows Print Manager by the Printer Control Program.
- Q.** *I am using a NEC PC-98 series computer and cannot print to LPT from the printer driver.*
- A.** You may need to direct Spool Manager to print through the standard Windows Print Manager. The procedure for doing this is described in the answer to the previous question.
- Q.** *I would like to send my print jobs to a remote Spool Manager across a network. Can I do this?*
- A.** Yes. Use the Search menu of the Help window to learn about the Spool Manager Queue Menu.

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