

Intellifont-for-Windows Help Index

Use the scroll bar to see index entries not visible in the Help window.

If you would like to print this or any other help topic, choose Print Topic from the "File" title bar above.

Help Topics

[What Is Intellifont-for-Windows?](#)

[Information Guide -- Manual](#)

[Adding Typefaces and Fonts](#)

[On or Off Status](#)

[Screen Font Cache](#)

[Fonts Button](#)

[Compatible Fonts](#)

[About Screen Fonts](#)

[PCL 5 Printer Driver](#)

[Ordering Typefaces and Fonts](#)

[In Case of Difficulty](#)

Copyright © 1991 by Hewlett-Packard Company

Trademark Credits

LaserJet and PCL are trademarks of Hewlett-Packard Company. CG Times is a product of, and Intellifont and Type Director are, trademarks of AGFA Compugraphic, a division of Agfa Corporation. FontWare is a trademark of Bitstream, Inc. Univers is a trademark of Allied Linotype AG or its subsidiaries.

What is Intellifont-for-Windows?

Hewlett-Packard's *Intellifont-for-Windows* allows you to see high quality screen fonts for scalable typefaces and adds new printer and font installation support for Windows 3.0. Intellifont® is a sophisticated font scaling technology developed by AGFA Compugraphic, the world's largest manufacturer of typesetting equipment. Intellifont is built into the HP LaserJet III family of printers. This means that "what you see, is what you get" with *Intellifont-for-Windows*.

Intellifont-for-Windows includes the following components:

- Screen font driver -- for WYSIWYG screen font display

- HP Font Installer -- for scalable typefaces, bitmapped printer fonts and other compatible fonts

- PCL 5 Printer Driver -- for HP LaserJet III, IIID, IIIP and IIISi printers

- Eight scalable typefaces -- from the CG Times and Univers families

- Information Guide -- in Window's Write format called IFWGUIDE.WRI

The screen font driver portion of *Intellifont-for-Windows* works on-the-fly to display high quality screen fonts for your scalable typefaces.

Information Guide -- Manual

When you installed *Intellifont-for-Windows*, an Information Guide was placed in your main Windows directory (for example C:\WINDOWS). The name of the file is ***IFWGUIDE.WRI***.

The Information Guide contains 24 pages and is formatted in Windows Write. Information about the Intellifont Screen Font Driver, PCL 5 Printer Driver and HP Font Installer is included. Additionally, specific information about popular software applications is included.

Adding Typefaces and Fonts

If you have accessory typeface and font products, you can install them through the **HP Font Installer**.

Click on the **Fonts** button to access the HP Font Installer. Step-by-step procedures for installing fonts and typefaces can be found in the HP Font Installer's help screens.

From the HP Font Installer, you can install any fonts in PCL format or in AGFA Compugraphic's FAIS or library formats.

NOTE: In addition to using the Fonts button of *Intellifont-for-Windows*, you can access the Font Installer window through the "Printer Setup" function of most Windows 3.0 software programs. Follow these steps: From within a software application, click on **File** from the title bar at the top of the window, click on **Printer setup**, click on the **Setup** button, then click on the **Fonts** button.

Fonts button

Compatible Fonts

On or Off Selection

To turn the screen driver portion of *Intellifont-for-Windows* on or off, click on your selection in the "status box." You must completely exit and start Windows for the status change to take effect.

When the screen driver is **on**, high quality screen fonts will be displayed for Intellifont scalable typeface products. When the screen driver portion is **off**, Windows creates rough screen font representations.

NOTE: Access to the HP Font Installer, scalable typefaces, printer fonts, and the PCL 5 Printer Driver is always available. Only the screen driver is affected by the status selection.

Screen Font Cache

The cache option helps *Intellifont-for-Windows* quickly draw your screen fonts.

A part of your computer's Random Access Memory (RAM) is set aside as a screen font cache. When screen fonts are saved in the cache, IFW does not have to re-create each character when it is used again. *Intellifont-for-Windows* quickly redraws the screen with the cached screen fonts.

The cache option's default setting is 96 KB. This size can be changed to suit your needs. For example, if you are using RAM resident programs, you can decrease the size of your screen font cache to accommodate them. On the other hand, if you are using many different fonts in your document, you can increase the cache size to allow IFW to draw your screen fonts more efficiently.

To change your cache size, use the scroll bar to scroll through the different sizes that are available. The sizes are listed numerically in 32 KB increments from 64 KB to 256 KB. Select the size you want to use.

NOTE: You must exit Windows for your changes to take effect.

Fonts Button

By clicking on the **Fonts** button you can access the **HP Font Installer** where you can install new printer fonts or scalable typefaces for use in Windows and with *Intellifont-for-Windows*. Step-by-step procedures for installing fonts can be found in the HP Font Installer help screens.

You can install any PCL compatible printer fonts with the HP Font Installer.

Disk-based bitmapped printer fonts and **scalable** typefaces can be installed using the HP Font Installer. Unlisted font and scalable typeface **cartridges** can be installed if you have accompanying **AutoFont Support** diskettes or WindowsPrinter Cartridge Metrics (PCM) files.

If you purchased a cartridge from a company other than Hewlett-Packard, you will need either a Printer Cartridge Metric (PCM) file or an AutoFont Support file. Contact the company where you purchased your cartridge for these files.

Screen fonts diskettes are required if you want to install scalable screen fonts for your scalable typeface cartridge.

NOTE: In addition to using the Fonts button of *Intellifont-for-Windows*, you can access the HP Font Installer window through the "Printer Setup" function of most Windows 3.0 software programs. Follow these steps: From within a software application, click on **File** from the title bar, click on **Printer setup**, click on the **Setup** button, then click on the **Fonts** button.

Compatible Fonts

Compatible Fonts and Typefaces

Using the **HP Font Installer** you can install several kinds of fonts into Windows 3.0 such as:

- Scalable typefaces -- cartridge or disk-based

- Bitmapped printer fonts -- cartridge or disk-based (soft)

- Scalable printer fonts -- through AutoFont Support utilities

- Printer Cartridge Metric (PCM) files

Bitmapped printer fonts must be in PCL format. Scalable typefaces must be in AGFA Compugraphic's FAIS or library format. Scalable printer fonts (from utilities such as FontWare) are supported if accompanying AutoFont Support files are available. Unlisted cartridge products require Printer Cartridge Metric (PCM) files or AutoFont Support files.

The **screen driver** portion of *Intellifont-for-Windows* uses scalable typefaces to create screen fonts. Unless a source scalable typeface is available, representative screen fonts will be displayed by Windows for all other printer fonts.

Scalable typefaces used with Type Director are compatible with *Intellifont-for-Windows*.

About Screen Fonts

Screen fonts give you a WYSIWYG representation of exactly how your job will look when it is printed. The maximum resolution (clarity) of screen fonts is controlled by the maximum resolution of your monitor. For example, the screen fonts that *Intellifont-for-Windows* can display for the higher resolution VGA monitor will look better than fonts displayed on a lower resolution CGA monitor.

Intellifont-for-Windows uses a special **screen driver** to automatically create screen fonts for scalable typefaces.

Screen fonts for bitmapped (non-scalable) fonts cannot be created by *Intellifont-for-Windows* (unless you have a corresponding "scalable typeface" disk). Windows will make representative screen fonts for all other kinds of fonts.

PCL 5 Printer Driver

When you installed *Intellifont-for-Windows*, you also installed a PCL 5 Printer Driver for the HP LaserJet III, IIID, IIIP, and IIISi printers.

You can access the PCL 5 Printer Driver two ways:

1. From the Program Manager's **Main** group, double-click on **Control Panel**, double-click on the **Printers** icon, click on the **Configure** button, then click on the **Setup** button.
2. Within most software applications, click on the **File** title bar, click on **Printer Setup**, then click on the **Setup** button.

Selections

This new driver provides access to the features of your printer, and lets you select:

- * Paper source -- input trays
- * Paper size -- letter, legal, A4, envelopes
- * Memory -- informs the driver of the amount in your printer
- * Page Protection status -- informs the driver of the printer's control panel setting
- * Orientation -- portrait or landscape
- * Graphics resolution -- in dots-per-inch
- * Gray Scale selection -- for better looking printed graphics, try changing these settings.
- * Cartridges -- list of installed accessory typeface or font cartridges
- * Number of copies -- to be printed
- * Special options -- such as duplex, bin selection, and job separation.

Advanced PCL 5 Support

The PCL 5 Printer Driver contains special code that allows Windows 3.0 software applications to access the advanced features of your printer such as: Pattern shades, multiple print directions on a single page, and reverse (white on black) printing. Check your software application manual to see if these features are supported.

To improve graphic image printing, three new Gray Scale settings are available. Try printing your graphics with the different gray scale settings to choose which looks best to you.

Ordering Typefaces and Fonts

Hewlett-Packard offers a growing collection of scalable typeface products from the HP MasterType Library. Check with your authorized HP dealer to see which scalable typefaces are available.

To locate your nearest HP dealer or to receive additional product sales information, call Hewlett-Packard's Customer Information Center at:

USA 1-800-752-0900

Canada 1-800-387-3867

Other countries Contact a Hewlett-Packard sales office

If your dealer is temporarily out of stock, call Hewlett-Packard for fast-ship service:

USA 1-800-538-8787

Canada

Toronto 416-671-8383

Ontario/Quebec 1-800-387-3417

Other provinces 1-800-387-3154

In Case of Difficulty

If you experience a problem using *Intellifont-for-Windows*, click on any of the following topics:

[Intellifont-for-Windows Messages](#)

[Unable to Use Fonts or Help Button](#)

[Fonts Appear Jagged](#)

[Installed Fonts Not Available in Applications](#)

[Calling for Help](#)

Intellifont-for-Windows Messages

You must be in Standard or Enhanced mode to run the Intellifont-for-Windows screen font driver. Exit Windows and restart using WIN /S or WIN /3.

This message is displayed when you are running Windows 3.0 in Real mode. If the WIN /S or WIN /3 command does not work, you may have incorrectly configured your computer.

To verify your Windows 3.0 mode, follow these steps: From the **Program Manager** window, click on the **Help** title bar, then click on **About Program Manager**. Consult the Windows 3.0 manuals or call your computer hardware dealer for more information.

Expanded Memory Managers: If you are using an expanded memory manager (for example, 386-MaxTM, CEMM or QEMM) instead of the Windows standard EMM386, Windows 3.0 may be limited to run in Real mode only. If you type the command WIN /S or WIN /3 and still remain in Real mode, try disabling these managers when you run Windows 3.0.

NOTE: Non-Windows applications may be affected if you disable an expanded memory emulator.

Unexpected results reading the "device" entry in the [Windows] section of the WIN.INI file.

This message is displayed when *Intellifont-for-Windows* cannot read the "device" entry in the [Windows] section of the WIN.INI file. If this message appears, the HP Font Installer window and the Intellifont screen font driver cannot be accessed. You may be able to correct the problem by following these steps:

From the Program Manager's Main window, double-click on Control Panel, double-click on the Printers icon. Verify that the HP LaserJet III printer is listed in the installed printer list. Double-click on the printer to make it the default printer. Click on OK.

You must exit Windows and re-start for your changes to take effect

If you turn the screen driver off or on, or if you change the size of the screen font cache, you must completely exit Windows and re-enter for the change to be implemented.

Unable to Use Fonts Button

If you are inside the *Intellifont-for-Windows* window and you cannot access the HP Font Installer by clicking on the **Fonts** button, then you are probably running in Real mode.

Configure your system to run Windows in Standard mode or Enhanced mode. *Intellifont-for-Windows* cannot run if Windows is in Real mode.

Fonts Appear Jagged

Make sure that *Intellifont-for-Windows* status is **on**.

Have you installed a scalable screen font? To verify, click on the **Fonts** button. Screen fonts can be identified by a small dot (·) prior to the typeface name.

Verify that your computer system meets the requirements described in the Information Guide. If you are unsure about the mode (Real, Standard, Enhanced) in which you are running Windows 3.0; or if you want to know the amount of memory you have available follow these steps: From the **Program Manager** window, click on the **Help** title bar, then click on **About Program Manager**.

Are you using a non-scalable bitmapped font? If so, Windows 3.0 can only generate a representative screen font. *Intellifont-for-Windows* requires scalable typefaces in order to make screen fonts.

Information Guide

Installed Fonts Not Available in Applications

Do your fonts appear in the HP Font Installer window under the heading "HP LaserJet III on [port]." If not, re-install the fonts.

If you are using screen fonts with a scalable typeface cartridge, did you select the cartridge name in the Printer Setup window? Before you can select cartridge fonts in your Windows applications, you must select the cartridge name in the printer Setup window. From the Program Manager's **Main** window, double-click on **Control Panel**, double-click on the **Printers** icon, click on **Configure** button, then click on the **Setup** button. Highlight your cartridge from the list. Click on **OK**.

Some Windows software applications do not update their font lists automatically when new fonts are added. Check the "Application Notes" section of [IFWGUIDE.WRI](#) for information on specific software application.

Calling for Help

Hewlett-Packard

If you have tried all the suggestions given here and in the **IFWGUIDE.WRI** information guide, and you still are in need of assistance, you can call Hewlett-Packard for information about:

- * *Intellifont-for-Windows*
- * PCL 5 Printer Driver
- * HP Font Installer window
- * All questions regarding HP LaserJet printers

In the USA and Canada, call HP's Personal Peripherals Assist Line between 7 a.m. and 6 p.m. (Mountain Time) Monday through Friday; except for Wednesday when the hours are 7 a.m. to 4 p.m.

208-323-2551

All other countries, contact your authorized Hewlett-Packard dealer.

Microsoft Windows Support

If have specific questions about configuring Windows 3.0 to run on your computer hardware, call Microsoft. In the USA and Canada, phone:

206-637-7098

Real mode is the most basic of the three Windows operating modes. In Real mode, Windows cannot access extended memory (even if it is installed in your computer). A limit of 640Kb of conventional memory is imposed in Real mode.

Standard mode allows Windows applications to exceed the DOS 640Kb limitation and make use of extended memory on 286 and 386-based computers.

Enhanced mode can be used on 386 and 486-based computers. This mode allows Windows to use conventional, extended and disk-based memory.

AutoFont Support files contain font metric information used by the HP Font Installer.

The term **scalable** describes products that can be reduced or enlarged (scaled) to virtually any point size supported by your Windows application.

Conversely, **bitmapped fonts** are limited to an exact point size. A bitmapped font cannot be reduced or enlarged (non-scalable).

WYSIWYG is an acronym for "What You See Is What You Get." The typeface style of the screen fonts that appear on your monitor will match the typeface style of the fonts that are used in your printer.

A **driver** is a portion of software code that controls commands sent to a device such as a printer or screen. Drivers work automatically so that you don't have to type in programming codes. Drivers allow you to select fonts, set margins, number of copies, etc.

Gray scale refers to a type of pattern applied to a graphic image. Though laser printers only print in black, patterns of black and white produce a gray appearance on the printed page.

Intellifont-for-Windows
Help Screens by
Robert Shaffer and Steve Moser
Learning Products Developers
Hewlett-Packard Company