


Software
Application Notes



Installing
HP Bitmapped
Font Cartridges

HP Computer Museum
www.hpmuseum.net

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Printing History

First Edition - March 1991

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Installing the Font Cartridge

Here is what you will find in your HP font cartridge box:

- **The HP font cartridge**

You can use the cartridge fonts in combination with the printer's built-in fonts and with downloadable soft fonts.

- **AutoFont Support disks**

The *AutoFont Support* disks contain character widths and other information your software may need to format your text correctly.

The software instructions in this manual will tell you whether you need to load the *AutoFont Support* files onto your hard disk.

Inserting the Cartridge into Your Printer

1. Press the [ON LINE] key to take the printer off-line (light off). *Inserting the cartridge with the printer on-line may damage your equipment.*
2. Insert the cartridge (label side up) into any available cartridge slot on your printer. Push the cartridge until you feel it snap into place. You should hear a click. Do not be afraid to push hard.
3. Press the [ON LINE] key to return the printer to the on-line state (light on).
4. Take your printer off-line and perform a self test. If your cartridge is installed correctly, it will be listed on the printer's Self Test page.
5. Read the software notes in this manual to find out how your software supports this font cartridge.

Additional Information

The user's manual for this font cartridge contains descriptions of your fonts, printer error messages, troubleshooting hints, symbol set tables, and programmer's information (PCL commands).

Microsoft Word 5.0 and 5.5

Microsoft has created a printer driver (PRD file) for most of HP's bitmapped font cartridges. (See the descriptions of PRDs for HP LaserJet printers and fonts in chapter 2 of the *Printer Information for Microsoft Word* manual.)

If your copy of MS Word does not contain a PRD for your fonts, you can order supplemental printer disks from your local software dealer or from Microsoft Corporation at (206) 882-8088.

To order a PRD for the **HP Pretty Faces** font cartridge, call the HP Driver Distribution Center at (303) 353-7650. Hours are 7 a.m. to 6 p.m. (MT), Monday through Friday.

Installing a PRD

1. Install the PRD for your font cartridge when you run the *MS Word Setup* program, or use DOS commands to copy a PRD from a supplemental printer disk.
2. Enter a Word document and select the printer file (PRD) and the printer model from the **Printer/Option** menu.
3. Highlight your text and use the **Format/Character** option to select your choice of font and point size.

Microsoft Customer Support

Microsoft's customer support number is (206) 454-2030. To order updated printer disks, call (800) 426-9400.

Multimate Version 4.0

Ashton-Tate Corporation has created a Printer Action Table (PAT) for most HP bitmapped font cartridges.

To install MultiMate's cartridge font Printer Action Tables and Character Width Tables:

1. Insert the MultiMate *Printer Tables Disk* into drive A.
2. At your DOS prompt, type:

```
COPY A:\PRINTERS\LJ*.* C:\MM
```

Then press [Enter]. (This step assumes that your MultiMate program is installed in the C:\MM directory.)

Ashton-Tate Technical Support

If your copy of MultiMate does not contain a PAT for your new font cartridge, you can order supplemental printer disks by calling Ashton-Tate Customer Support, (213) 329-9989.

Windows 3.0

Using Cartridges with the HPPCL5A Driver in Windows 3.0

Your copy of Windows 3.0 may already include the *HPPCL5A* driver. As you follow the instructions in this section, you will learn how to check if you have the correct version of this driver.

Cartridges Already Listed in the HPPCL5A Driver (Version 3.7)

The Windows 3.0 *HPPCL5A* printer driver (version 3.7 or later) contains support for many of Hewlett-Packard's bitmapped font cartridges. Follow the instructions below to see if your cartridge is already listed in the printer **Setup** window. (If it is not, you will need to do the steps on page 6 to add support for an unlisted cartridge.)

To activate a font cartridge in Windows 3.0:

1. From the **Program Manager - [Main]** window, double-click on **Control Panel**.
2. Double-click on the **Printers** icon.

Make sure an HP LaserJet III family printer is active in the **Installed Printers** box.

3. Click on the **Configure** button.
4. Click on the **Setup** button.
5. Click on the **About** button.

This will show you the version of your *Microsoft PCL/HP LaserJet III* (or *HPPCL5A*) driver. If the display does not show "V3.7" or later, you must order an updated driver. This is available in the U.S. and Canada *free of charge* from the Hewlett-Packard Driver Distribution Center at (303) 353-7650. In other countries, contact your local authorized Hewlett-Packard Dealer.

6. If you have the correct version of the driver, click on **OK** to return to the **Setup** window.
7. Highlight the name of your cartridge in the **Cartridges** box and click on **OK**. (If your cartridge is not listed in the **Cartridges** box, see "Adding Support for Unlisted Cartridges" on page 6.)

8. Click on **OK** until you return to the **Control Panel** window.

You can now select your HP bitmapped cartridge fonts within a Windows 3.0 application. (Windows will display its own representative screen fonts.)

Adding Support for Unlisted Cartridges

If you have a cartridge that is not listed in the **Cartridges** box of the printer **Setup** window (for example, the **HP Pretty Faces** font cartridge), do the following steps to add support for your cartridge to Windows 3.0:

1. Completely exit Windows and return to a DOS prompt (do not use the **DOS** icon in Windows).
2. Your HP font cartridge includes *AutoFont Support* disks. These disks contain character widths and other font information that your software will use to format your text. (The fonts themselves are in the cartridge.)

Insert the *AutoFont Support Installer/Metrics disk #1* into drive A.

Then type **A:AUTOFONT** and press **[Enter]**.

Follow the screen prompts to install the **.TFM** files for your cartridge.

3. Start Windows.

From the **Program Manager - [Main]** window, double-click on **Control Panel**.

4. Double-click on the **Printers** icon.

Make sure an **HP LaserJet III** family printer is active in the **Installed Printers** box.

5. Click on the **Configure** button.
6. Click on the **Setup** button.
7. Click on the **About** button.

This will show you the version of your *Microsoft PCL/HP LaserJet III (HPPCL5A)* driver. If the display does not show "V3.7" or later, you must order an updated driver. This is available in the U.S. and Canada *free of charge* from the Hewlett-Packard Driver Distribution Center at

(303) 353-7650. In other countries, contact your local authorized Hewlett-Packard Dealer.

8. If you have the correct version of your driver, click on **OK** to return to the **Setup** window.
9. Click on the **Fonts** button.
10. Click on the **Add Fonts** button.
11. Type **C:\AUTOFONT** as the source drive and directory. (Or, if you have installed the *AutoFont Support* files onto another drive, indicate the correct path.) Then click on **OK**.
12. The *HP Font Installer* will read the **\AUTOFONT** directory and will display the name of your cartridge in the box on the right.
Highlight the name of your cartridge and click on the **Add** button.
13. Click on **OK** if you want to accept the default destination drive and directory for your printer font metrics. (Or enter another drive and directory if you want to store them somewhere else.)
14. When the *HP Font Installer* has finished adding the cartridge name to the box on the left, click on the **[Exit]** button to return to the **Setup** window.
15. Highlight the name of your cartridge in the **Cartridges** box and click on **OK**.
16. Click on **OK** until you return to the **Control Panel** window.
You can now select your new HP bitmapped cartridge fonts within a Windows 3.0 application. (Windows will display its own representative screen fonts.)

HP Customer Support

The number for the HP Personal Peripherals Assist Line is (208) 323-2551. Hours are 7 a.m. - 6 p.m. (MT) Monday, Tuesday, Thursday, Friday; and 7 a.m. - 4 p.m. Wednesday.

Microsoft Windows Support

The number for Microsoft Windows support is (206) 454-2030.

WordPerfect 5.1

Supported Font Cartridges

WordPerfect 5.1 ships with printer files that support most Hewlett-Packard font cartridges. Run the *WordPerfect Installation Program* to load the printer file that supports your cartridge.

To use some of the latest HP font cartridges (such as the HP Pretty Faces font cartridge), you must follow the instructions in this note to install the *AutoFont Support* files onto your hard disk and run the *WordPerfect Printer Program* (PTR.EXE) with the */autofont* switch. See the section, "Installing AutoFont Support" on page 9.

Selecting Fonts in WordPerfect 5.1

Perform the following steps to select your fonts in WordPerfect 5.1:

1. Start up WordPerfect.
2. Press [Shift F7], [S] *Select*. Highlight your HP printer, then press [E] *Edit*.
3. Select [C] *Cartridges/Fonts/Print Wheels*.
4. Move the highlighting bar with your arrow keys to highlight "Cartridges" and press [Enter].
5. Move the bar again until you highlight the name of the HP font cartridge you are installing. (If you do not see the name of your cartridge on this list, exit WordPerfect and perform the steps outlined in the following section, "Installing AutoFont Support.")
6. Press the asterisk (*) to mark the name of the cartridge.
7. Press [F7] until you return to the *Print: Select Printer* screen.
8. Press [S] *Select* to select the printer you have just edited. Then press [F7] to return to your document screen.
9. Your new base fonts will appear when you choose the [Ctrl F8], [F] *Base Font* option to change fonts within your document.

Installing AutoFont Support

If you perform steps 1 through 5 in the previous section and find that your font cartridge is not listed on the screen (for example, the *HP Pretty Faces* font cartridge), perform the following steps to add your cartridge to the WordPerfect font selection menus through *AutoFont Support*:

Step A - Install AutoFont Support

Your new HP font cartridge includes *AutoFont Support* disks. These disks contain font metric information that WordPerfect 5.1 can use to add support for your new fonts to its printer .ALL files.

To install the *AutoFont Support* files onto your computer's hard disk drive, do the following steps:

1. Insert the *AutoFont Support Installer and Metrics disk #1* into drive A.
2. Type **A:AUTOFONT** and press **[Enter]**.
3. Answer the questions as they appear on the screen.

When the screen prompt asks you for the destination drive, enter the letter for the drive on which you have installed your WordPerfect program files.

The *AutoFont Support Installer* will put the information about your fonts into a directory called \AUTOFONT, and then will return you to DOS. **Go on to step B.**

Step B - Install the correct version of PTR.EXE

You must have a *WordPerfect Printer Program* (PTR.EXE) dated 9-26-90 or later. You must also have the correct .ALL file for your printer installed.

To see if an .ALL file for your printer is installed, and to determine the date of your *WordPerfect Printer Program*, go to a DOS prompt on the disk drive where the WordPerfect 5.1 printer files are installed. Then do the following:

1. Type **CD\WP51.**



Note

If your printer files are installed in a directory other than WP51, substitute that path for "WP51" in this command. If you do not know where your printer drivers are installed, go into WordPerfect and press *Setup* [Shift F1] [L]. Option 4 in this menu will now show the path where the printer files are located. After noting the location, return to the DOS prompt and substitute that directory path in step 1 above.

2. Type DIR *.ALL

If you get the message *File not found*, you are not in the directory where your printer files are located, or you have not yet installed your printer .ALL files in WordPerfect. Return to step 1 in this section to find the correct directory, or run the *WordPerfect Installation Program* (INSTALL.EXE) to install the .ALL file for your printer.

3. Once you are in the directory where your printer files are located, type DIR PTR.* You should see something similar to the following:

```
PTR EXE  230788  9-26-90
```

If the PTR.EXE file is dated on or after 9-26-90, **go on to step C.**

If you get the message *File not found*, run the *WordPerfect Installation Program* (INSTALL.EXE) to install the *WordPerfect Printer Program* (PTR.EXE) on your hard disk. Then redo steps 1-3 above. If the file date is earlier than 9-26-90, you must order the correct version of PTR.EXE from WordPerfect Corporation by calling:

(800) 321-4566 (USA)
(31) 10 40 70 100 (Europe)

Once you have installed the correct version of PTR.EXE into the directory where your printer files are located, **go on to step C.**

Step C - Update the Printer .ALL Files

Each time you use *AutoFont Support* to install new font information on your computer's hard disk, you will need to

run the *WordPerfect Printer Program* (PTR.EXE) with the */autofont* switch to update the WordPerfect printer .ALL files.

1. Type **CD\WP51** to enter the directory where you have installed the WordPerfect 5.1 printer files. (If you installed the printer files in a directory other than WP51, substitute that directory name for "WP51.")
2. Type **PTR/AUTOFONT** and press **[Enter]**. Be sure to use a forward slash mark **" / "** in this command.

You will see a list of the printers. (If you do not see a list of printers, press **[F7]** to *Exit* from the *WordPerfect Printer Program* and redo #1 and #2 in this step C.)
3. Use the arrow keys to highlight the name of the HP printer model that you are using. Press **[1]** *Select*.
4. Press **[2]** *Add AutoFont* and **[Y]**.

After updating your printer file, the *WordPerfect Printer Program* will display **AutoFont** successfully Installed. Press any key to continue.

Press **[Enter]** to return to DOS.

The *WordPerfect Printer Program* will update your printer files with the font information in the \AUTOFONT directory.

Go on to step D.

Step D - Make the Fonts Active in WordPerfect

To make your cartridge fonts active so that you can select them within your document, perform the following steps:

1. Start up WordPerfect 5.1.
2. Press **[Shift F7]** *Print Menu*, **[S]** *Select*. Highlight your HP printer, then press **[E]** *Edit*.
3. Select **[C]** *Cartridges/Fonts/Print Wheels*.
4. Move the highlighting bar with your arrow keys to highlight "Cartridges" and press **[Enter]**.
5. Move the bar again until you highlight the name of the HP font cartridge you are installing.

6. Press the asterisk (*) to mark the name of the cartridge.
7. Press [F7] until you return to the *Print: Select Printer* screen. Then press [S] *Select* to select the printer you have just edited.
8. Your new base fonts will appear when you choose the [Ctrl F8], [F] *Base Font* option to change fonts within your document.

WordPerfect Customer Support

WordPerfect Corporation's customer support number is (800) 541-5170. To order updated printer files, call (800) 321-4566.

WordStar 6.0

WordStar 6.0 already includes printer drivers for most of Hewlett-Packard's bitmapped font cartridges. You do not need to install the *AutoFont Support* files for these products.

Follow the steps below to add your cartridge fonts to WordStar's printer file (PDF). For further information, see the "Customizing" chapter in the the *WordStar Installing and Customizing* manual.

Adding Fonts to a PDF

1. At the WS prompt, type WINSTALL/M and press [Enter].
2. At the WINSTALL Main Menu, choose **Modify or install a printer (PRCHANGE)**.
3. At the Installed Printer Menu, choose the PDF you want to add fonts to.
4. At the PDF Modification Menu, choose **Add or delete fonts**.
5. At the Current fonts in PDF Menu, type [Y].
6. At the Add or Delete Fonts Menu, choose **Add cartridge fonts**.
7. At the Add Cartridges Menu, move the highlighting bar to each cartridge you want to add, and press [Enter] to mark it. When you finish marking cartridges, press [F10] to add them to your PDF.
8. When you finish adding fonts, WordStar asks if you want to change font families. If you want to change font families, type [Y] and follow the onscreen prompts. Otherwise, type [N].
9. At the Add or Delete Fonts Menu, choose **Return to previous menu**. At the PDF Modification Menu, choose **Return to Installed Printer Menu**. At the Installed Printer Menu, press [F10] to return to the WINSTALL Menu.

WordStar Customer Support

For WordStar support, call WordStar International at (812) 323-8825. To order updated printer drivers, call (800) 227-5609.

If Your Software Is Not Covered in These Notes

Many software manufacturers create printer drivers for HP font cartridges. Others are incorporating *AutoFont Support* (.TFM) capability so that you can build a driver yourself .

If your software does not already contain a driver for this font cartridge, or if you have an older version of your software that does not use *AutoFont Support*, contact your software vendor.

Drivers for several popular software packages are also available through Hewlett-Packard. See page 15 for ordering information.

Ordering Information

U.S. and Canada

Ordering Other HP Font Products

To find an authorized Hewlett-Packard dealer near you, call (800) 752-0900. For additional pre-sales product information, call the HP Customer Information Center, (800) 752-0900.

HP Driver Distribution Center

Drivers for several popular software packages are available through HP's Driver Distribution Center at (303) 353-7650. Hours are 7 a.m. to 6 p.m. (MT), Monday through Friday.

HP FIRST Fax Order System

You can call HP FIRST *from your fax machine's telephone* for 24-hour access to ordering information for updated software application notes and printer drivers.

You must have a touch tone, group 3 fax machine. Pick up the handset on your fax machine and dial (208) 344-4809. HP FIRST's computer will prompt you to use the fax keypad to enter the code number for the product support information you want to receive by return fax.

CompuServe

Software application notes, *Autofont Support* (.TFM) files, and printer drivers are also available through the CompuServe HP Forum.

Other Countries

Contact your local authorized HP dealer.





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Printed in U.S.A. 3/91
C2050-90946