HEWLETT PACKARD

PostScript®
Software Application Notes

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Printing History

This manual was created using text formatting software on an HP Vectra personal computer. The body text is printed in *Century Schoolbook* fonts, and chapter and section heads are printed in *Helvetica* fonts. The camera-ready copy was printed on an HP LaserJet III printer using Resolution Enhancement and reproduced using standard offset printing.

First Edition – April 1991

Conventions

The following conventions are used throughout this guide:

- *Italic type* is used to indicate screen menu choices. It is also used for emphasis and other traditional uses.
- **[Bold type]** in brackets indicates an item to be selected from a selection list or menu.
- WORDS IN UPPER CASE LETTERS indicate proper names of utilities or files.
- UPPER-CASE COMPUTER TYPE indicates what you should type on the computer keyboard and items that appear in the printer's control panel display.
- Lower-case computer type indicates names in command strings that the user must supply.
- (Key) indicates a computer keyboard key or printer control panel key.
- The cursive letter *ℓ* is used in examples to distinguish the lower-case letter "l" from the numeral "1" (one). The character Ø is used in examples to distinguish the numeral 0 from the upper case letter O.

Note

Notes contain important information set off from the text.

Caution

Caution messages indicate procedures which, if not observed, could result in damage to equipment or loss of data.

Warning

Warning messages indicate that when a specific procedure or practice is not followed correctly, personal injury could occur.

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1

Microsoft Word 5.0

Introduction

This software application note describes how to set up Microsoft Word 5.0 for use with PostScript. Before using this note, you should have the Microsoft Word program and PostScript installed.

MS Word Support

For additional information about Microsoft Word 5.0, call the Microsoft Customer Support Center at (206) 454-2030 (6:00 a.m. to 6:00 p.m. Pacific Standard Time).

Select a Printer Description (PRD)

1. From the DOS prompt of your Microsoft Word 5.0 directory (for example C:\WORD5), type the following command and then press Enter:

   WORD

2. From the Microsoft Word Document screen, press Esc to move into the command area.
3. Press **[P]**rint, then **[O]**ptions.
4. The Printer field will be highlighted. Press F1 to see a list of available printer descriptions.
5. Use the cursor keys to highlight the *POSTSCRP* printer description.
6. Use the Tab key to highlight *Setup*, then press F1 to see a list of ports.
7. Highlight the port used to connect your *HP LaserJet PostScript* printer to your computer.
8. Use the Tab key to highlight *Model*, then press F1 to see a list of available PostScript printer models.
9. If you have an HP LaserJet III printer, highlight *PostScript Single Bin*. If you have an HP LaserJet IIP, IID, IIIP, IIID, or IIISi, highlight *PostScript-Dual Bin*.
10. Press Enter to save your changes.
11. Press Esc to exit the command area.

Note

The POSTSCRP.PRD printer description file supports both portrait and landscape orientation. All typefaces, except those for LineDraw, are available in even sizes from 2 to 126 points. The LineDraw typefaces are available in 12 point ONLY.

2

WordPerfect 5.0

Introduction

This software application note describes how to set up WordPerfect 5.0 for use with PostScript. Before using this note, you should have the WordPerfect program and PostScript properly installed.

WordPerfect Support

For additional information about WordPerfect 5.0, call WordPerfect Customer Support at (800) 541-5170. (Monday through Friday from 7 a.m. to 6 p.m., and Saturday from 8 a.m. to 12 p.m., Mountain Standard Time).

Before You Begin

All examples in this software application note assume the WordPerfect program files are stored in the C:\WP50 directory. If your program is stored in a directory other than C:\WP50, modify the examples accordingly.

Before you can select the PostScript printer driver in WordPerfect 5.0, the WPRINT2.ALL file must be installed in the WordPerfect directory.

Note

This application note assumes that the list of available printer drivers includes the name of your HP LaserJet PostScript printer. If this is not the case, check your printer or cartridge documentation for a compatible PostScript printer driver.

Install the WPRINT2.ALL File

1. Locate the *Printer 2 PostScript, Daisy Wheel & Misc.* disk and insert it in drive A:.
2. At the DOS prompt, type the following command and press Enter:

```
COPY A:\WPRINT2.ALL C:\WP50
```

Selecting a Printer Definition

1. From the DOS prompt of your WordPerfect directory (for example, C:\WP50), type the following command and press Enter:

   WP

2. Press Shift F7 to enter the *Print:* menu.
3. Press **[S]** *Select Printer.*
4. Select **[2]** *Additional Printers* to see a list of printers you can choose from.
5. Highlight the name of your HP *LaserJet PostScript* printer and press **[1]** *Select.*
6. To accept the default printer resource file name, press Enter.
7. Press F7 *Exit* to return to the *Select Printer: Edit* screen.
8. Press **[P]** *Port* to see a list of ports.
9. Type in the number that precedes the port used to connect your HP *LaserJet PostScript* printer to your computer.
10. If you are using a dual-bin printer, complete the following steps to select a sheet feeder:

    a. At the *Select Printer: Edit* screen, choose **[3]** *Sheet Feeder.*

    b. Highlight the *HP LaserJet Sheet Feeder* definition appropriate for your printer.

    c. Read the *Sheet Feeder Helps and Hints*, then press F7 *Exit* to return to the *Select Printer: Edit* menu.

11. Press F7 *Exit* to display the *Print: Select Printer Edit* screen.
12. Use the cursor keys to highlight the name of your HP *LaserJet PostScript* printer.
13. Press **[1]** *Select* to activate the PostScript printer definition.
14. Press F7 *Exit* to save your changes.

3

WordPerfect 5.1

Introduction

This software application note describes how to set up WordPerfect 5.1 for use with your PostScript option. Before using this note, you should have the WordPerfect 5.1 program and your PostScript option installed.

WordPerfect Support

For additional information about WordPerfect 5.1, call WordPerfect Customer Support at (800) 541-5170. (Monday through Friday from 7 a.m. to 6 p.m., and Saturday from 8 a.m. to 12 p.m., Mountain Standard Time).

Before You Begin

All examples in this software application note assume the WordPerfect program files are stored in the C:\WP51 directory. If your program is stored in a directory other than C:\WP51, modify the examples accordingly.

Before you can select the PostScript printer definition in WordPerfect 5.1, the WPPS1.ALL file must be installed in your WordPerfect subdirectory, e.g., C:\WP51.

Note

This application note assumes that the list of available printer drivers includes the name of your HP LaserJet PostScript printer. If this is not the case, check your printer documentation for a compatible PostScript printer driver.

Install the WPPS1.ALL File

1. Locate the *Install/Learn/Utility 1* disk and insert it in drive A:.
2. At the DOS prompt, type the following command and press Enter:

   A: INSTALL

   You will be asked if you wish to continue. Press **[Y]** to continue.
3. Press **[4]** to select the *Install Printer (.ALL) File* option.
4. Remove the *Install/Learn/Utility 1* disk from drive A:, insert the *Printer 1* disk, and press Enter.
5. Press Page Down to find the number that corresponds to the name of your HP LaserJet PostScript printer. Type in the number and press Enter.
6. Press **[Y]** to confirm selection of the HP LaserJet PostScript printer driver.
7. Press **[Y]** to confirm that you wish to install the .ALL file into your WordPerfect directory. You will then be prompted to insert the *Printer 3* disk.
8. The WordPerfect installation utility will install your printer driver and update the current fonts. While this process is executing, the *Printer: Helps and Hints* screen will be displayed. When prompted, press any key to exit the installation utility.

Install the Printer

1. From the DOS prompt of your WordPerfect directory (for example, C:\WP51), type the following command and press Enter:

   WP

2. Press Shift F7 to enter the *Print:* menu.
3. Press **[S]** *Select Printer.* A list of the installed printers will appear.
4. Highlight the name of your HP LaserJet PostScript printer and press **[3]** *Edit.*
5. Press **[P]** *Port* to see a list of ports.
6. Type in the number that corresponds to the port used to connect your HP LaserJet PostScript printer to your computer.
7. If you are using a dual-bin printer, complete the following steps to select a sheet feeder:
   a. At the *Select Printer: Edit* screen, choose **[3]** *Sheet Feeder.*
   b. Highlight the *HP LaserJet Sheet Feeder* definition appropriate for your printer. Press Enter.
   c. Read the *Sheet Feeder Helps and Hints*, then press F7 *Exit* to return to the *Select Printer: Edit* menu.
8. Press F7 *Exit* to display the *Print: Select Printer Edit* screen.
9. Highlight the name of your HP LaserJet PostScript printer.
10. Press **[1]** *Select* to activate the PostScript printer definition.
11. Press F7 *Exit* to save your changes.

4

Microsoft Windows 2.xx

Introduction

This software application note describes how to use PostScript with Windows 2.xx versions. All examples in this note assume Windows 2.xx has been correctly installed and that the program files are installed in the C:\WINDOWS directory. If your files are stored in a directory other than C:\WINDOWS, modify the examples accordingly.

MS Windows Support

For additional information about Windows 2.xx and applications under Windows 2.xx, call Microsoft Product Support at (206) 454-2030 (6 a.m. to 6 p.m. Pacific Standard Time).

About MS Windows

Software applications running under Windows 2.xx use a control file called WIN.INI. This file contains settings for many Windows 2.xx features and applications. These settings are used every time you run Windows 2.xx. When you use the Windows Control Panel to install the PostScript printer driver, the WIN.INI file will be updated to contain this new printer information.

The PostScript printer driver can be used by all Windows applications, such as Aldus PageMaker, Windows Write, and Microsoft Excel. Each Windows application may have different point size, symbol set, or other limitations.

Note

This application note assumes that the list of available printer drivers includes the name of your HP LaserJet PostScript printer. If this is not the case, check your printer documentation for a compatible PostScript printer driver.

Install the PostScript Printer Driver

1. From the DOS prompt of your Windows 2.xx directory (for example, C:\WINDOWS), type the following command and press Enter:

   ```
   WIN CONTROL
   ```

2. Point to the *Installation* menu and click the left mouse button.
3. Place the pointer on the *Add New Printer* option and click the left mouse button.
4. Locate the Microsoft Windows *Utilities 2 and Fonts* disk, insert it into drive A:, and click on **[OK]**.
5. Highlight *PostScript Printer*.
6. Point to the *Add* command box and click the left mouse button.
7. You will be prompted to enter the path to Windows 2.xx. Type the full path name to your Windows directory (e.g., C:\WINDOWS) and click on **[Yes]**.
8. When the copying process is complete, the Windows *Control Panel* window will reappear.

Configure the Printer Port

1. Point to the *Setup* menu and click the left mouse button.
2. Place the pointer on the *Connections* option and click the left mouse button.
3. In the *Printer* box, highlight the *PostScript Printer on None* option.
4. In the *Connection* box, highlight the port used to connect your HP LaserJet PostScript printer to your computer.
5. Check the *Printer* box for any driver using the same port you assigned to the PostScript printer driver. If one is found, highlight the driver. Then highlight *None* in the *Connection* box.
6. When you are sure that each driver listed in the *Printer* box is assigned to a unique port or the *None* option in the *Connection* box, click on **[OK]** to save your changes.
7. After updating the printer information, the Windows *Control Panel* window will reappear.

Set Up the PostScript Printer Driver

1. Point to the *Setup* menu and click the left mouse button.
2. Place the pointer on the *Printer* option and click the left mouse button.
3. Highlight the PostScript printer driver and change the *Transmission Retry* setting to 999. Click on **[OK]** to access the *Setup* menu.

4. The following default settings are recommended:

Uncollated Copies:	1
Orientation:	Portrait
Paper:	Letter
Source:	Any small format
Graphics Resolution:	300
Printer:	(The name of your HP LaserJet PostScript printer)

5. When you have finished making changes, click on **[OK]**.
6. To close the Windows *Control Panel*, point to the *Control Menu* icon (the hyphen at the top left corner) and double click the left mouse button.

5

Windows 3.0

Introduction

This software application note describes how to use PostScript with Windows 3.0. All examples in this note assume Windows 3.0 has been correctly installed and that the program files are installed in the C:\WINDOWS directory. If your files are stored in a directory other than C:\WINDOWS, modify the examples accordingly.

MS Windows Support

For additional information about Windows 3.0 and applications under Windows 3.0, call Microsoft Product Support at (206) 454-2030 (6 a.m. to 6 p.m. Pacific Standard Time).

About MS Windows

Software applications running under Windows use a control file called WIN.INI. This file contains settings for many Windows 3.0 features and applications. These settings are used every time you run Windows. When you use the Windows Control Panel to install the PostScript printer driver, the WIN.INI file will be updated to contain this new printer information.

The PostScript printer driver can be used by all Windows 3.0 applications, such as Aldus PageMaker, Word for Windows, and Microsoft Excel. Each Windows application may have different point-size, symbol-set, or other limitations.

Note

This software application note assumes that the list of available printer drivers includes the name of your HP LaserJet PostScript printer. If this is not the case, check your printer documentation for a compatible PostScript printer driver.

Installing the PostScript Printer Driver

There are two conditions to be considered when installing the PostScript printer driver. Each requires that you follow a specific set of instructions.

- **Driver Not Previously Installed:** Use the following instructions.
- **Driver Previously Installed:** Skip to the "Driver Previously Installed" instructions.

Driver Not Previously Installed

1. Select the Windows 3.0 *Control Panel.*
2. Double click on the **[Printers]** icon.
3. Click on **[Add Printer]**.
4. In the list of printers, highlight any PostScript printer (such as the Apple LaserWriter) and click on **[Install]**.

   You may see a dialog box containing a message similar to this: *"A printer driver for this printer is already on the system. Do you want to use the current driver or install a new driver?"* If you see this message, click on **[New]**.
5. You will be prompted to insert the appropriate Windows 3.0 *Setup Disk* or a disk with the updated PSCRIPT.DRV file in drive A:. Insert your HP *Driver Update Disk* in drive A: and click on **[OK]**.
6. Click on **[Configure]**.
7. Choose the appropriate printer port. Change the *Transmission Retry* value to 999 and click on **[Setup]**.
8. Click on **[Add Printer]**.
9. You will be prompted to insert a disk containing the new printer files in drive A:.
10. Insert the HP *Driver Update* disk into drive A: and click on **[OK]**.

11. Select the desired printer (HP LaserJet IIP, IID, III, IIIP, IIID, or IIISi), and click on **[Add]**.

    Repeat this step if you wish to add other HP LaserJet PostScript printer driver descriptions.

12. If the message: *"A printer driver for this printer is already on the system. Do you want to use the current driver or install a new driver?"* appears, click on **[Yes]**.

13. When you have selected the desired printer(s), click on **[Done]**.

14. Click on the drop-down arrow on the side of the *Printer* box, and scroll through the list until the name of the HP LaserJet PostScript printer you wish to use appears and select it.

15. Click on **[OK]** twice to return to the *Printers* window.

16. Click on **[Active]**.

17. Click on **[OK]** to close the *Printers* window.

This completes the installation procedure.

Note

When running a Windows 3.0 application after installing the PostScript printer driver, you must click on the *File* menu, select *Printer Setup*, then select the PostScript printer driver as the destination printer.

Driver Previously Installed

1. Select the Windows 3.0 *Control Panel.*

2. Double click on the **[Printers]** icon.

3. Highlight the PostScript printer in the *Installed Printers* box and click on **[Configure]**.

4. Click on **[Remove]** and answer **[Yes]** when prompted to *"Remove PostScript Printer.... "*

5. In the list of printers, highlight *Apple LaserWriter II NT/NTX* and click on **[Install]**.

6. A dialog box will appear prompting you to choose between using the current driver and installing a new driver.
7. Click on **[New]**.
8. You will be prompted to insert the appropriate Windows 3.0 *Setup Disk* or a disk with the updated PSCRIPT.DRV file in drive A:. Insert your HP Driver Update Disk in drive A: and click on **[OK]**
9. Click on **[Configure]**.
10. Choose the appropriate printer port.
11. Change the *Transmission Retry* value to 999 and click on **[Setup]**.
12. Click on **[Add Printer]**.
13. You will be prompted to insert a disk containing the new printer files in drive A:.
14. Insert the HP *Driver Update* disk into drive A: and click on **[OK]**.
15. Select the desired printer (HP LaserJet IIP, IID, III, IIIP, IIID, IIISi), and click on **[Add]**.
16. If the message: *"A printer driver for this printer is already on the system. Do you want to use the current driver or install a new driver?"* appears, click on **[Yes]**.
17. When you have selected the desired printer, click on **[Done]**.
18. Click on the drop-down arrow on the side of the *Printer* box, and scroll through the list until the name of the HP LaserJet PostScript printer you wish to use appears and select it.
19. Click on **[OK]** twice to return to the *Printers* window.
20. Click on **[Active]**.
21. Click on **[OK]** to close the *Printers* window.

This completes the installation procedure for a printer previously installed.

Note

When running a Windows 3.0 application after installing the PostScript printer driver, you must click on the *File* menu, select *Printer Setup*, then select the PostScript printer driver as the destination printer.

6

Ventura Publisher 2.0

Introduction

This software application note describes how to use PostScript with Ventura Publisher 2.0. Before using this note, you should have the Ventura Publisher program and your PostScript option installed.

Ventura Publisher Support

For additional information about Ventura Publisher, call the Xerox Support Center at (800) 822-8221 (8:00 a.m. to 5:00 p.m., Central Standard Time).

Before You Start

All the examples in this software application note assume the Ventura Publisher program files are stored in the C:\VENTURA directory. If your program is stored in a directory other than C:\VENTURA, modify the examples accordingly.

In order to install the PostScript printer driver for Ventura Publisher, you must know the:

- Model of your computer.
- Type of graphics adapter and monitor display.
- Port used to connect your HP LaserJet printer to your computer.
- Name of your pointing device.
- Name of your Ventura directory (e.g., C:\VENTURA).

Install the PostScript Printer Driver

1. Locate the *Ventura Publisher Application Disk* and insert it into drive A:.
2. At the DOS prompt, type the following command and press Enter:

   ```
   A:VPPREP
   ```

3. The installation procedure prompts you to enter the drive where the Ventura Publisher program files are stored. To accept drive C:, press Enter. If you installed Ventura on a different drive, press **[N]** and type the letter that corresponds to the appropriate drive.
4. To perform a first-time installation, type **[Y]** and press Enter. To perform a reinstallation, type **[N]** and press Enter.
5. When prompted, insert the *Ventura Publisher Utilities Disk* into drive A: and press Enter.
6. Select the driver that matches your video equipment and press Enter.
7. Select the driver that supports your pointing device and press Enter.
8. Type the letter which corresponds to the communication port your pointing device uses and press Enter.

Note

If you have chosen a buss mouse, you will not be prompted for a communication port.

9. Choose the *PostScript* printer driver and press Enter.
10. Assign the appropriate port to your PostScript printer driver and press Enter.
11. If you do not wish to install another printer driver, press Enter.

12. The Ventura Publisher installation procedure will display your screen and printer device choices. Check to see if you have made any errors. To correct them, type **[N]** and press Enter. When you are certain that your selections are correct, press Enter to continue.

13. Complete the installation procedure by following the instructions shown on your display. If you experience any difficulties, refer to the *Ventura Publisher Reference Guide.*

Setting Printer Information in Ventura

1. Start Ventura Publisher or the Professional Extension.
2. Open the *Options* menu.
3. Select *Set Printer Info.*
4. Highlight *PostScript* in the *Device Name* command field. In the *Output To* field, the port assigned to the PostScript printer driver during installation will be highlighted.
5. In the *Command* field, place the mouse pointer on *Load Different Width Table* and click the left mouse button. Ventura Publisher will display all the width tables currently installed.
6. Highlight POSTSCPT.WID and click on **[OK]**.
7. Click on **[OK]** again to save your printer information changes.

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Part No.
33439-90926