Software Release Notes

Adobe Printer Driver, Windows version 3.1
For use with Adobe PostScript printers

AdobePS Release 2.1.1
October 29, 1993

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Introduction

This document comprises the release notes for the Adobe Printer Driver Windows version 2.1.1 for use with Microsoft Windows version 3.1.

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IMPORTANT INSTALLATION NOTES!
The file formats of this driver are incompatible with all previous releases. If you are installing this release over an existing version, you should entirely delete the previous version using the instructions outlined below.

Once complete, you may then install this version. You will also be required to re-install any previously installed PostScript printers. To install this driver please refer to the "Quick-Install" notes immediately following these instructions or refer to the Windows 2.1 User Guide for more detailed procedures.

To delete the previous version of the driver:

1)   Exit Windows. From DOS, delete the following files (not all files may actually exist in your configuration) from BOTH your WINDOWS and WINDOWS\SYSTEM directories:
```
        *.EBF
        *.PPB
        *.PPD
```
        `*.PFM` (delete these ONLY if you did not place them here using the ATM Control Panel or a font installation program)
```
        ADOBEPS?.*
        RUN_ENUM.*
        PSINSTDV.EXE
        WINDOWN.EXE
```

```
PS_ENUM.*
DOWN.DLL
DWN.HLP
```

2)   You may restart Windows to use Notepad or other ASCII text editor, delete the following WIN.INI
entries (found in WINDOWS directory):

```
[PostScript Device,<port>                        <<<Delete this line
PrinterName=Printer Nickname                     <<<Delete this line

[devices]
PostScript Device=ADOBEPS,<port>,...          <<<Delete this line

[PrinterPorts]
PostScript Device=ADOBEPS,<port>,15,45,...<<<Delete this line
```

If the `device=` line in the `[windows]` section of Win.INI refers to adobeps, delete that line.

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<u>Quick-Install instructions for the Adobe PostScript driver for Windows 3.1</u>

The user manual fully describes installation of the Adobe Printer Driver under Windows 3.1. Briefly, here
are those instructions:

1)   Ensure Windows is running (assuring any previous version of the driver has been removed as
noted above) and double-click the Control Panel icon.

2)   Double-click the Printers icon.

3)   If you do not see a List of Printers at the bottom of the Printers Control Panel, click the "Add >>"
button.

4)   Click the "Install Unlisted or Updated Printer" entry in the List of Printers.

5)   Choose Install.

6)   Insert the Adobe Printer Driver diskette into drive A: or B:

7)   If you inserted your diskette into drive A:, click OK, otherwise enter B:\ and click OK.

8)   The Add Unlisted or Updated Printer dialog will appear with a list of PostScript printer models to
chose from. Select the model name of the printer you want to install and click OK.

9)   As the process of installation proceeds, you may be asked to insert a diskette with the PPD for
your printer. If so, find that diskette and insert it into drive A: or B: and click OK.

10)   After all of the files have been copied to your system, a message is displayed telling you
installation was successful. Click OK.

11)   Windows returns to the Printers Control Panel dialog, with "<Your printer model> on LPT1:" now
entered in the Installed Printers list box. If your printer is not connected to LPT1 or the port currently
shown, click "Connect..." to display the connect dialog. In the Connect dialog select the port to which your
printer is connected and click OK.

12)   You may want to customize the settings available for your printer. To do so, follow the instructions entitled "Changing printer settings" on Page 9 of the User Guide.

13)   Remember to make your printer the default printer by clicking "<Your printer model> on <port>" in the Installed Printers list box and then clicking the "Set as Default Printer" button.

14)   Close the Printers Control Panel and Exit the Control Panel.

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Additonal Font Downloader Installation Instructions

The Adobe Printer Driver, Windows version 2.1.1 is packaged with a Font Downloader which allows the driver to pre-download PostScript fonts, download PostScript files and do other printer and font management tasks.

The Font Downloader is automatically installed along with the driver. Although the downloader can be run as a stand-alone program, that is not recommended for use with any other PostScript printer driver.

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Adobe Printer Driver Diskette Contents

Disk 1 - Driver and Downloader
README	Release Notes (this file)
ADOBEPS.DRV	Adobe PostScript Driver file
ADOBEPS.HLP	On-line Windows help file for the Adobe PostScript Driver
PS_ENUM.DUP	Enumerator DLL
RUN_ENUM.DUP	Enumerator EXE
OEMSETUP.INF	List of printer models for the Printers Control Panel
PSINSTDV.EXE	The Device Installer
WINDOWN.EXE	The Font Downloader main module
DOWN.DLL	The Font Downloader's DLL
DWN.HLP	On-line Windows help file for the Font Downloader
DEFPRTR.PPD	Adobe Default Printer description (PPD)
FONTS.MFM	Font metrics for fonts available on printers you can install

PPD Disks 1, 2 , 3 and 4 - PPD files (Adobe distributed driver only)

Note: If you've received this driver from a PostScript product vendor and not Adobe, PPDs may be provided on the Driver Diskette (disk 1) instead of on additional diskettes.

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Adding a New PPD

If you wish to add a PPD that was not supplied with your driver diskette(s) please use the following procedures.

First, make a backup copy of Install Disk #1. Next, locate the disk with the new PPD you wish to install. Use a standard text editor to view the contents of the new PPD. Note the printer name in the string *NickName or *ShortNickName. Also note the name of the PPD (ppdname.PPD) denoted in *PCFileName.

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On your backup copy of the Install Disk, edit the OEMSETUP.INF file. You must add a line to the OEMSETUP.INF file similar to the lines that already exist in the [io.device] section of OEMSETUP.INF. To do so, make a copy of an existing line; then substitute the name of the new PPD in place of the existing PPD name. Next, substitute the quoted printer name from the *NickName. If your new PPD has a *ShortNickName, use the quoted printer name from *ShortNickName.

To install, follow the "Quick-Install" instructions above, keeping handy the disk containing the new PPD.The name of the printer from your new PPD should appear in the Add Unlisted or Updated Printer dialog described in step 8 above. When you select this printer the driver should find the new PPD and install the printer. If there is a problem, check carefully that you have spelled the PPD name and the printer's *NickName or *ShortNickName correctly in the [io.device] line that you added to OEMSETUP.INF.

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General Compatibility Issues

Optimize for Speed vs. Optimize for Portability
On the PostScript Options dialog, there is a group box called "PostScript Performance." Selecting the"Optimize for Speed" option reduces the portabilty of the PostScript output. Additionally, certain jobs may cause the printer to run out of memory terminating the job with a possible VM or rangecheck error. If problems are encountered, try setting the PostScript Performance setting to "Optimize for Portability".

Adobe Illustrator
If you install Adobe Illustrator AFTER the Adobe PostScript driver, you will see the following message:

"The file C:\WINDOWS\SYSTEM\PS_ENUM.DLL already exists and has a different date than the file Illustrator is about to install. Do you wish to overwrite the current file on the system?"

Select "No;" do not overwrite the file.

The same dialog will again appear for RUN_ENUM.EXE. asking if that file too should be overwritten. Select "No."

If Illustrator has been installed without regard to the above instructions, reinstall the driver using the instructions listed under "IMPORTANT INSTALLATION NOTES!" You must clean out all previous files in order to ensure a succesful installation.

Windows 3.0
This version of AdobePS supports Windows 3.1 only.

Updating AdobePS 2.0
If you have previously installed AdobePS v2.0 remove that version as described above.

Downloable Fonts
Printing lengthy documents that require the driver to download several fonts may generate one or more of the following error messages:
>   PostScript Error: limit check
>   PostScript Error: VM error
>   A page with the message that the printer has insufficient memory.
>   Printer simply does not finish printing the job or resets.

Work-arounds:
>   1) Reduce the number of fonts in the document.
>   2)Try changing the PostScript Performance setting on the PS Options dialog to "Optimize for

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Portability."
3) Add memory to your printer.

Interaction with Control Panel Printers
Some selections made in the Printers Control Panel, such as "Set as Default Printer" and "Connect," take effect only after the Printers Control Panel is closed.

Document Structuring Conventions
The Adobe Driver does not emit the DSC comments "%%BeginData ... %%EndData." Without these comments, some network spoolers may fail to process jobs correctly.

Some Images Print with Limited Color
Printing some images (those based on RLE-4 and RLE-8 compression) print with limited halftoning effects. Typically, shades of gray or color will print as either black or white.

Using "Copies" in a application and in the driver's Setup
From within some applications, changing the number of copies to be printed may have no effect. Further, changing the numebr of copies from wihin applications may have a multiplicative effect if multiple copies has also been specified from withn the driver. Select the number of copies to be printed from either the application or the driver, but not both.

Using "Scaling" in a application and in the driver's Setup
Changing the scaling (which is typically set at 100%) within an application print dialog box may have no effect when using some applications. Scaling in the application's print dialog and scaling in the driver's dialog are multiplicative. Suggested use: Use scaling from either the application or the driver, but not both.

Installation of Print Font Metrics
The list of characters available in a font has changed from Windows 3.0 to Windows 3.1. AdobePS uses the information in Printer Font Metric (PFM) files to help applications lay out text correctly and to instruct PostScript printers how to print text correctly. However, because of the changes in characters available, some older PFM's may incorrectly list character widths and cause either errors in layout of text on the screen, in the printer, or both. AdobePS includes newest versions of font PFM's for all of the printers it installs.

If Adobe Type Manager (ATM) is installed and has included PFM's for fonts on your printer, AdobePS assumes that those PFM's are more up to date than the PFM's included during the driver's installation.

If you suspect that your ATM fonts may be incorrect, here is how to force AdobePS to use its own PFM's:

1) Use Notepad, edit the line in ATM.INI section `[Setup]` that reads:
`"PFM_Dir=c:\psfonts\pfm"` (or similar) to read:
`";PFM_Dir=c:\psfonts\pfm"`

2) Save the modified ATM.INI.
3) Proceed to install a new printer using Control Panel, Printers.
4) Restore the line in ATM.INI to its previous value.

Some Printers Reset when Sent Binary Mode Commands
Some printers do not support Adobe's Binary Communications Protocol (BCP) and will reset if sent the command to switch into binary mode (This is requested via the Job Control dialog, using Printer Mode, Send Mode). This will only happen if the incorrect PPD for your particular printer is being used. To avoid this situation, install the PPD appropriate for your installed printer.

Using Print Manager

Windows Print Manager will create a temporary file when printing from an application. Deleting this temporary file will terminate the print job. Suggested use: Click Cancel from dialog box to terminate print job or delete from within Print Manager.

Full-color bitmap printing performance
When the PostScript Option "Send Full Color Data" is selected when using 24-bit color images, AdobePS sends the full image data to the printer. This may not be required for printers that are unable to render 24-bit color images. However, selecting this option allows the printer's halftoning capabilities to be used to their greatest extent to print the best possible image. Alternative: If improved performance is more important than accurate color halftoning, turn off "Send Full Color Data".

QMS PS 1700
Selecting the optional feature "side" while using the QMS PS 1700 printer and PPD, may send output to the upper tray. Work-around: Obtain an updated PPD for this printer from your printer vendor.

Using "Match Color Across Pinters" Option
When using the "Match Color Across Printers" option, color output may appear different than expected. This is a function of device independent color rendering feature available in PostScript Level 2 color printers and is intended to give accurate and consistent color rendering accross a wide range of color devices.

Accidentally Printing EPS Files
If a printer driver is configured to print EPS output to a printer rather than a file, the following behavior occurs:a warning that EPS should not be output to a port is displayed; the job prints correctly within the application, then the printer stays in a waiting mode until either (a)another job is sent, or (b)a time-out error occurs. To avoid this situation ensure that EPS format is only output to "file" rather than "printer.".

Font Installation
The presence of fonts installed by some font installers may not be recognized. Work-around: To notify the driver of fonts installed by non-Adobe font installers, manually update the ATM.INI file. See the Adobe ATM user manual for more information.

Installation
When installing the driver or a printer PPD, you must first exit any application that is using this driver or the Printers Control Panel will not proceed with the installation.

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Application Software Compatibility Issues

Aldus Freehand
Some drawings created in Aldus Freehand may fail to print. Typically with an error message indicating offending command of "setscreen." Drawings may print if simplified.

EPS files created by printing with "Output Format: Encapsulated PostScript" from Freehand and subsequently imported into another application display as a full- size page.

Colored fill patterns printed from Freehand print black. All other fill patterns print correctly. No known workaround.

Adobe driver substituting Courier for Arial in Freehand. This is a problem with the way Aldus handles font substitution.

When selecting alternative paper orientations, use the Aldus Freehand dialog, not the driver's.

Ami Pro3.0
TIFF files compressed as CCITT print inversed.

Arts & Letters 3.1
Arts & Letters may not print when the printer name is longer than 24 characters. Work-around: choose a printer with fewer than 25 characters in its printer-name. This is not a problem in Arts & Letters 3.12.

CorelDraw! 3.0
CorelDraw! 3.0 cannot place EPS files created by any printer driver. Work-around: None.

CorelDraw! will recognize this driver only if you make the correct modification to the CORELDRW.INI file (in your corel directory). Corel checks list of driver names under `[Coreldrivers]` in CORELDRW.INI (in Corel directory). Add a line "`ADOBEPS=1`" to this section.

Earlier versions of CorelDraw! may generate PostScript errors while printing.

FrameMaker 3.0
FrameMaker document produces PS errors when printed. FrameMaker defines information inside a "PassThrough," and may subsequently use that information inside a different PassThrough. The result is some combinations of text and graphics will generate PostScript errors when printed. Work-around: None.

Canceling printing may sometimes cause an alert indicating that a file header.ps cannot be found. This alert can be ignored; there is no problem.

MicroGrafx Designer 3.1 and Level 1 Printers
A PostScript error: limitcheck, offending command: eofill may be generated when printing some Micrografx Designer files on Level 1 printers. Work-around: Upgrade to version 4.0 or later.

MS CardFile
Setting the scaling value in the Setup dialog to anything but 100% prints as if unscaled and is mis-positioned on the page. The same behavior is observed with the standard Microsoft Windows PostScript driver. Work-around: leave scaling 100%. Additionally, changing the Cardfile margins settings may correct this problem.

Cardfile prints off the page when the resolution of the selected printer is 600dpi or above. This is a problem internal to Cardfile. Work-around: Most printers with resolution above 600dpi have lower resolution modes; if so, select a lower resolution in their Print Setup, Setup, Features dialog. If not, install the Adobe Default Printer and select it when printing from Cardfile.

With certain margin settings, Cardfile may cause an Unexpected Application Error when printing. This can occur with any driver. Usually this occurs when the margins are set to non-default values and is correctable by changing the margin values to default values.

MS Excel
Printers with resolutions in excess of 300dpi may exhibit uneven patterning in graphics using color fill patterns.

MS Notepad
Resolution of 600dpi or above may cause Notepad to print with eroneous margins. Sometimes this can be corrected by specifically changing the requested margins from 0.75", the default margins, to another value; this does not always fix the problem. Work-around: Most printers with resolution above 600dpi have lower resolution modes; if so, select a lower resolution in their Print Setup, Setup, Features dialog. If not, install the Adobe Default Printer and select it when printing from Cardfile.

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MS Online
Microsoft Online may not print when AdobePS is selected and the printer name is longer than 29 characters. Work-around: choose a printer namewith fewer than 30 characters.

MS PowerPoint 3.0
Changing the resolution in AdobePS' Features dialog (for printers that allow control of their resolution) from within PowerPoint 3.0's Print Setup dialog does not take effect. Work-around: use the Features dialog from within the Control Panel Printers to change resolution.

When printing some colored text from PowerPoint 3.0, e.g. sample presentation PRSPP16.PPT, slide #3, the text is printed in black rather than the correct color. Work-around: None.

MS Word 1.1a
WinWord 1.1a may incorrectly print certain EPS files.

Do not use Print Options in Word for Windows version 1.0a to select the paper bin for your printer. Use Printer Setup instead.

MS Word 2.0c
Some characters may be clipped on the right. For this to occur, the character must be the last character before a "Tab" and the character must be Italicized in a font for which no natural Italic variant is available on the printer. For instance, typeing a "bullet" character in Symbol, Italicizeing the character, and following the character by a "Tab" character, may slightly clip it. Work-around: Either do not Italicize characters when an Italic variant of the font is not available on the printer or provide an Italic variant or place a space immediately after it, but before the "Tab."

Publisher's Paintbrush
Using the driver's Setup within Publishers Paintbrush may cause the driver to display a message that it cannot find that printer's settings. Work-around: Use Printers Control Panel to change settings.

24-bit images printed from Publisher's Paintbrush may print as black boxes the size of the image. Other 24-bit images print with other grossly distorted shades of color not related to the original image. Images with 16 or 256 colors print correctly. This occurs only when the selection "Use Publisher's Halftones" in the Print dialog is used.

Ventura Publisher
Early versions of Ventura Publisher (prior to v4.1.1) exhibit eratic behavior with this driver.

Ventura Publisher v3.0 requires that the PostScript driver be named "PSCRIPT.DRV". This has been fixed in release 4.0

Wingz
Printing some images, such as those imported from TIFF files, may fail. This can be seen on the display prior to printing. This behavior appears to depend on the specific display controller in the host computer.

WordPerfect 5.1
Early versions of WordPerfect may exhibit some problems with this driver. Examples include: unreadable text in the WordPerfect's Select Printers dialog; Switching printers dims the Select control in the Select Printers dialog; and, mismatched settings between AdobePS and WordPerfect. Work-around: Use at least version 5.1 of WordPerfect.