



# Tech Info Library

## LaserWriter Software For Windows: Read Me File (2 of 2) (10/95)

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TOPIC -----

This article contains the ReadMe file included with the LaserWriter Software For Windows version 1.1 posted online. This is part 2 of 2 of the document.

DISCUSSION -----

ABOUT YOUR APPLE LASERWRITER PRINTER SOFTWARE FOR WINDOWS

Revision 1.1

Revision 1.1 of the Apple LaserWriter Printer software for Windows 3.1 contains updated versions of these components:

••In part 1 of 2••

- Installer
- Apple Printer Utility
- Bidirectional driver

This document contains some important reminders and some information that is not in the manual that comes with your printer. You may want to print this document and keep it for future reference. You'll find information about:

- Installing the Printer Driver Software
- Installing additional PostScript printers
- Configuring the PostScript printer
- Deleting previous versions of the printer driver
- Installing the printer description on Windows NT 3.5
- Using the Apple Color LaserWriter 12/600 PS Printer
- Obtaining Printer Supplies for the Apple Color LaserWriter 12/600 PS
- Apple Printer Utility 2.0

••In part 2 of 2••

- AdobePS Printer Driver version 3.0
  - General driver compatibility issues
  - General font downloader compatibility issues
  - Application software compatibility issues

ADOBEPS PRINTER DRIVER 3.0.1

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COLOR LASERWRITER 12/600 PS COMMUNICATION SWITCH

The ADOBEPS printer driver is configured by default for binary communications. Send Data in Binary on the PostScript Setup tab dialog is turned on by default.

The communication switch for the Color LaserWriter 12/600 PS is located on the back of the printer. The printer is shipped from the factory with the switch in the right or "Custom" position. Should the switch be reset to factory defaults by moving it to the left or "Reset" position and then back to the Custom position, the communications protocol for the printer's parallel port is incorrectly changed to ASCII. Because of this, print jobs sent from the AdobePS driver with Send Data in Binary turned on will not print.

To correct this problem, you can turn Send Data in Binary off. Alternatively, you can use the Apple Printer Utility to set the protocol back to binary (TBCP). To do this:

Step 1

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Open the Apple LaserWriter Software folder, double-click the Apple Printer Utility, and select the desired printer.

Step 2

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Select the Communication Configuration panel and then select Port Configuration. For the Protocol field, select TBCP. Then, press Send. The printer's protocol should now be set to binary (TBCP).

Step 3

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This procedure must be performed each time the communication switch is reset.

GENERAL DRIVER COMPATIBILITY ISSUES

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Windows 3.0 - This version of AdobePS does not support Windows 3.0.

Installation - When installing the driver or a printer PPD, you must first exit all applications using this driver or the Printers dialog in the Control Panel will not proceed with the installation.

Interaction With Control Panel Printers Dialog Box - Some selections made in the Printers dialog box, such as Set as Default Printer and Connect, take effect only after the Printers dialog box is closed.

Duplicate Features in the Driver and Application - If your application contains the same feature as the driver (such as scaling or number of copies), use your application to set the feature; do not set it using the driver. Use the driver

tab dialogs only to set printer options you cannot control via your application's Print or Print Setup dialog box.

Printing From Multiple Applications - Multiple applications cannot use AdobePS 3 at the same time. You can print from multiple applications, but must wait until a job has completed before starting another one.

Image Printing Performance - For some applications, printing images may be slower than expected. Printing performance will depend on bitmap characteristics (such as size or color) and the method the application uses to print bitmaps. For example, 24-bit color images will print more slowly than 1-bit black-and-white images.

PostScript Protocol Options - For the printer's default configuration, protocol options located on the PostScript tab dialog should be set to Default. For the Color LaserWriter 12/600 PS you should be able to select Send Data in Binary for both parallel and network connections.

Optimize for Speed vs. Optimize for Portability - On the PostScript tab dialog, there is a group box called PostScript Performance. When you select Optimize for Speed, you may find certain jobs cause the printer to run out of memory, terminating the job with a VM or rangecheck error. If you encounter problems, try setting the PostScript Performance option to Optimize for Portability.

Downloadable Fonts - Printing lengthy documents that require the driver to download several fonts may generate one or more of the following error messages or conditions:

PostScript Error: limit check

PostScript Error: VM error

Page with the message that the printer has insufficient memory

Printer simply does not finish printing the job or resets.

Workarounds: Try one of the following:

- 1) Reduce the number of fonts in the document.
- 2) Try changing the PostScript Performance setting on the PostScript tab dialog to Optimize for Portability.
- 3) Add memory to the printer.

Do Not Download Fonts Option - The Job Control tab dialog contains the Font Control option Do Not Download Fonts. Use this option only if you know that the fonts that you use in your documents are always available to your printer, for example, via the hard disk attached to your printer. Otherwise, the printer may substitute Courier for your fonts.

Document Structuring Conventions - AdobePS 3 does not emit the DSC comments "%%BeginData ... %%EndData."

Some Images Print With Limited Color - Images 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.

Installation of Printer Font Metrics - The list of characters available in a font has changed from Windows 3.0 to Windows 3.1. AdobePS 3 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 PFMs may incorrectly list character widths and cause either errors in layout of text on the screen, in the printer, or both. AdobePS 3 includes the newest versions of font PFMs for all of the printers it installs.

If Adobe Type Manager (ATM) is installed it includes PFMs for fonts on the printer. AdobePS 3 assumes that those PFMs are more up to date than the PFMs included during driver installation.

If you suspect that your ATM fonts are incorrect, you can force AdobePS 3 to use its own PFMs by following these steps:

#### Step 1

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Use Notepad to edit a line similar to PFM\_Dir=c:\psfonts\pfm in the [Setup] section of the ATM.INI file to read as follows:

```
;PFM_Dir=c:\psfonts\pfm
```

#### Step 2

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Save the modified ATM.INI file.

#### Step 3

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Proceed to install a new printer using the Printers dialog box in the Control Panel.

#### Step 4

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Restore the line in ATM.INI to its previous value.

Interaction with Adobe Type Manager - Certain applications may pass inaccurate font information to Adobe Type Manager, causing it to abort. To work-around this problem, double-click the ATM Control Panel, select the On or Off option, and choose Exit. Restart Windows for the change to take effect. Then, try the application again.

Removing Adobe Type Manager from Your System -In rare instances you may want to remove ATM from your system. Follow these steps:

#### Step 1

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Use the ATM Control Panel to remove Type 1 fonts from your system.

## Step 2

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Use Notepad or another text-editing accessory to open the SYSTEM.INI file in your Windows directory

## Step 3

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Replace the following two lines:

```
system.drv=atmsys.drv
```

```
atm.system.drv=system.drv
```

with this line:

```
system.drv=system.drv
```

The first two lines might vary on some systems. The replacement line, however, should be as shown above.

## Step 4

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Quit Notepad and exit Windows. Delete ATM16.DLL, ATM32.DLL, and the ATMSYS.DRV files from your Windows\System directory. Delete the ATM.INI and ATMCNTRL.EXE files from your Windows directory.

## Step 5

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Delete the .PFM and .PFB files from your Windows\psfonts directory. Delete the ATMFONTS.QLC file from your Windows\psfonts directory. Restart Windows.

Some Printers Reset When Sent Binary Mode Commands - The Apple Color LaserWriter 12/600 PS supports Tagged Binary Communications Protocol which is a superset of the Adobe Binary Communications Protocol. It does not support the Adobe Binary Communications Protocol (BCP) and may reset if sent the command to switch into binary mode (requested via the Job Control tab dialog, using Printer Mode, Send Mode). This happens only if you are using the incorrect PPD for your particular printer. To avoid this situation, install the correct PPD for your installed printer.

Using Print Manager - Windows Print Manager will create a temporary file when you print from an application. Deleting this temporary file terminates the print job.

Suggested use: Click Cancel from the dialog box to terminate the print job or delete from within Print Manager.

Custom Paper Dimensions - In some PPDs, the minimum width and height values for the Custom Paper option are represented by three decimal digits. AdobePS 3 rounds off the value to two decimal digits, which may result in an error indicating that one or both of your dimensions are invalid.

Workaround: If you wish to use the minimum value, change the AdobePS 3 rounded

value (such as 8.26) to the exact value of the dimension with all decimal digits (such as 8.264).

Page Preview Image - The Page Preview image on the Paper tab dialog reflects only an approximation of the actual printed page. Paper size, color, and border filling in the page preview, for example, may not accurately represent the corresponding characteristic of the printed page.

Watermark Printing - In some applications, watermarks will print either in the background (the default) or in the foreground, but not in both.

Workaround: Try printing the watermarks in both the foreground and background to discover which location works best with your application and printed document.

Watermarks are enabled using the Forms capability in all Adobe PostScript Level 2 printers and will not print if sent to a PostScript Level 1 printer.

Workaround: Send jobs specifying watermarks to a PostScript Level 2 printer.

When you specify a watermark to print in outline format, the Page Preview image of the Watermark and Paper tab dialogs do not display the outline watermark. This is a limitation of the driver's display feature only; the watermark will print correctly on the physical page.

In some applications, when the Watermark First Page Only feature and Number of Copies features are combined, the watermark prints only on the first page of the first copy.

Workaround: Print each copy as a separate job.

Some applications submit the entire print job as one logical page. The single logical page, when printed, spans multiple physical pages. For such applications the watermark may appear only on the second physical page.

N-Up Printing - N-up printing may yield unanticipated results when you combine layout and orientation page-setup options in one document. The first logical page of a job determines the layout for the rest of the job. For example, if you choose portrait orientation for the first page of a document printed in 6-up, all pages in the document will print in the standard order for portrait orientation, left to right, top to bottom, even if you change to landscape orientation in the middle of the job. If you specify landscape orientation for the first page of a 6-up document, all document pages print bottom to top, left to right. For rotated landscape orientation, document pages print top to bottom, right to left.

Additionally, if you request a different resolution, page size, or paper source, or if you request duplex settings for different pages of a document while using the n-up feature, AdobePS 3 completes the previous request and then starts a new page, applying the currently requested page-setup settings. The order of the layout remains the same, although virtual pages of an n-up layout will be blank.

This is because AdobePS 3 starts the next set of instructions on a new sheet of paper.

In some applications, when the Layout and Copies features are combined, new pages are started, as needed, only in the first copy.

Workaround: Print each copy as a separate job.

N-up printing and borders - You may experience problems printing documents that have borders when printed with n-up printing.

Workaround: Print documents with borders with 1 page per sheet of paper.

N-up printing and manually downloaded PostScript header - With some applications, manually downloading a PostScript header may cause errors when n-up printing is used.

Workaround: Instead of manually downloading the PostScript header, select "Send Header with each job" in the driver's Job Control tab dialog.

Dialog Box Warning: Application Incompatibility Watermark and N-Up Features - Some applications are incompatible with watermark and page layout (n-up) features. If this is true for an application you are using, AdobePS 3 displays the Application/Printer Setup Incompatibility dialog box, which lets you cancel the print job, try to print using the driver's features, or print without using the driver's features. By default, AdobePS 3 displays this dialog box each time you send a print job specifying features with which the application is incompatible. If this is an inconvenience for you, you can disable the dialog box.

To disable the Application/Printer Setup Incompatibility dialog box:

Step 1

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Use Notepad or another ASCII text editor to open the WIN.INI file and go to the [AdobePS] section.

Step 2

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Choose one of two options:

- \* Find the line "Show Compatibility Alert=1" and change the value from 1 to 0.
- \* If the Show Compatibility Alert line does not exist, add the line "Show Compatibility Alert=0."

Step 3

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Save and close the file.

Problems Printing Envelope and Document in a Single Job - The Apple Color LaserWriter 12/600 PS printer does not support envelopes. With other printers, when you print an envelope-and-letter job involving paper source changes, if the first page uses the manual-feed paper tray and the next page changes to Auto Tray Select, printing may yield unexpected results. For example, envelope text may be printed on letter-size paper instead of the expected envelope.

Workaround: Specify specific paper sources instead of Auto Tray Select, or print each page as a separate job.

Problems Printing to Printers in Adobe IntelliSelect (AIS) Mode - A Printer Mode value of ASCII Mode, set via the Job Control tab dialog, is incompatible with printers in AIS mode and results in an error. Also, files with embedded EPS graphics or text created via drivers other than AdobePS 3 may not print correctly to a printer in AIS mode.

Workaround: If your printer has a front panel, change from AIS mode to standard PostScript or TBCP and then reprint the job. Or, do not choose Send Mode and use only the printer's default mode.

Full-Color Bitmap Printing Performance - When you select the PostScript option Send Full Color Data and are using 24-bit color images, AdobePS 3 sends the full image data to the printer. You may not need this data 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 the Send Full Color Data option.

Accidentally Printing EPS Files - If a printer driver is accidentally configured to print EPS output to a printer rather than a file, AdobePS 3 displays a warning that EPS should not be output to a port; 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, not Printer.

Font Installation - The presence of fonts installed by some font installers may not be recognized.

Workaround: To notify the driver of fonts installed by non-Adobe font installers, manually update the ATM.INI file. For more information, see the Adobe ATM user guide.

Match Color Across Printers Option - The Match Color Across Printers option uses the device-independent color-rendering feature available in PostScript Level 2 color printers to render color output as close as possible to the colors of other Level 2 printers. This feature is intended to give accurate and consistent color rendering across a wide range of color devices.

#### GENERAL FONT DOWNLOADER COMPATIBILITY ISSUES

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The Font Downloader is automatically installed along with the driver. Although the downloader can be run as a stand-alone program, this is not recommended.

Downloading Task Thermometer - The task-progress thermometer does not always reflect the true status of the font downloading task. Even though the font does download, the thermometer may not reflect 100%.



TrueType fonts - TrueType fonts cannot be downloaded with the Font Downloader.

Downloading PostScript Files Containing Binary Data - The Font Downloader can download only PostScript files containing ASCII data and may display an error if the PostScript file contains binary data.

Workaround: In the PostScript tab dialog, turn off the Send Data in Binary option in the Performance Options box, and redownload the PostScript file. Or, do not use the Font Downloader; instead, send PostScript files containing binary data to the printer from DOS using the Copy command.

Device Installer Problems - Sometimes the Font Downloader does not let you delete installed devices, does not properly display newly installed devices in the device list box, or continues to list fonts previously deleted. In addition, the Font Downloader cannot verify that a device is installed correctly. If you're not sure, check the Color LaserWriter's startup page to see if the device name is listed. See chapter 5 of your user guide to verify that the hard disk has been installed correctly.

Workaround: Exit completely from the driver. Reenter the program via the Setup button of the Printers dialog box; choose the Fonts tab dialog; click the Font Downloader button, and the Font Downloader dialog box appears. Click Device Installer. The newly installed devices should now appear. To delete a device, highlight it, and choose Remove.

Deleting Fonts From the Printer's Memory - If you have downloaded fonts to the printer's memory using the Font Downloader, the fonts stay resident until the printer is restarted; the Font Downloader does not delete fonts from the printer's memory.

Workaround: Restart the printer using the Apple Printer Utility or turn the printer off, wait a few moments, and then turn the printer back on.

Update of WIN.INI File - The Font Downloader does not update the WIN.INI file to reflect the fonts that it has downloaded; therefore, other PostScript drivers or application programs that read WIN.INI for information updates will not know which fonts have already been downloaded.

Misleading Memory Messages - Sometimes when you are downloading a group of fonts, the Font Downloader sends messages indicating that there may not be enough available memory to download the individual font. This message may or may not reflect the true state of your printer.

Workaround: If you know your printer has plenty of memory, choose Yes in response to the Font Downloader message and continue downloading the fonts. Also, to avoid display of the insufficient memory message, download the fonts individually, not by group. If your printer is low in memory, you may not be able to download all fonts to it.

Check Password - Check Password is not supported for Apple printers.

Workaround: NetWare security is available for the Apple Color LaserWriter 12/600 PS when it is used as a print server. You set up the password on the NetWare

file server and on the printer being used as the print server. See Chapter 3, sections "Assigning a password for the print server" and "Setting additional parameters with the Apple Printer Utility for Windows" of the Apple Color LaserWriter 12/600 PS User Manual.

#### APPLICATION SOFTWARE COMPATIBILITY ISSUES

##### Adobe Illustrator

If you install Adobe Illustrator after the Adobe PostScript driver, the following message may appear: "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.

This same dialog will again appear for RUN\_ENUM.EXE. Select No; do not overwrite this file, either.

If Illustrator has been installed without regard to the above instructions, reinstall the driver using the instructions listed in "Deleting Previous Versions of the Driver." You must clear all previous files to ensure a successful installation.

##### Aldus Freehand

Aldus Freehand does not support the Rotated Landscape Orientation option of the Paper tab dialog. In addition, Freehand does not support watermarks.

##### Ashlar Vellum 2.12

Ashlar Vellum does not support printing multiple copies.

##### CorelDraw 5.0

Printing watermarks with First Page Only selected causes the watermark to print only on the last page.

Workaround: Print page one only with the watermark selected. Then, print the remainder of the document without the watermark.

##### Fractal Design Painter 2.0

In the PostScript tab dialog is a group box called PostScript Performance. Fractal Design Painter 2.0 is compatible only with the Optimize for Portability option of that box.

##### Freelance Graphics 2.01

Print jobs may not scale correctly.

##### Micrografx ABC FlowCharter 3.0

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In documents over seven pages long, letters might print superimposed upon each other. This problem seems to occur on printers with a resolution of 600dpi or higher.

Workaround: Print to a printer with a resolution lower than 600 dpi.

#### Micrografx Designer 4.0

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AdobePS 3 does not support the Colored Pattern Brush feature of Designer 4.0 and the earlier application Charisma and prints filled areas of color bitmaps in black and white.

#### MS Excel

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

#### MS Notepad and Cardfile

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Resolution of 600dpi or above may cause Notepad and Cardfile to print with incorrect 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.

Workaround: Most printers with resolution above 600dpi have lower resolution modes; if so, select a lower resolution in the printer's Print Setup, Setup, Features tab dialog. If not, install the Adobe Default Printer and select it when printing from Cardfile or Notepad.

#### MS Online

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Microsoft Online may not print when AdobePS 3 is selected and the printer name is longer than 29 characters.

Workaround: Choose a printer name with fewer than 30 characters.

#### MS PowerPoint 3.0

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Resolution changes requested from within the PowerPoint 3.0 Print Setup dialog box do not take effect.

Workaround: For printers that allow control of their resolution, use the AdobePS 3 Features tab dialog to change resolution in your PowerPoint 3.0 files.

When printing some colored text from PowerPoint 3.0, the text prints in black rather than the selected color.

#### MS PowerPoint 4.0

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Printing files containing multiple embedded EPS objects from this application sometimes results in either lost text or lost EPS objects.

Workaround: Convert the embedded EPS objects to PowerPoint objects by double-clicking on them.

#### MS Publisher 2.0

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The BorderArt feature of MS Publisher 2.0 is incompatible with AdobePS 3. If you try to use this feature with AdobePS 3, the printed file may be missing lines from the upper and bottom right and left corners of the border.

#### PageMaker

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AdobePS 3 is incompatible with PageMaker 5.0 or earlier if you are using a PJI printer.

Workaround: Upgrade to the latest version of PageMaker if you are using a PJI printer.

Some PageMaker files may print with unexpected results.

Workaround: Make sure that you have selected the correct type of printer in the PageMaker print dialog box and that the PageMaker private PPD directory contains the correct PPD for the printer you are using.

#### Persuasion 3.0

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Depending on the file you are trying to print, Persuasion 3.0 is sometimes incompatible with AdobePS 3. Printing sometimes results in a blank first page or a PostScript error.

#### Quicken 3.0

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If you choose to print partial checks in 1s or 2s, instead of the standard 3s, you may get unexpected results. When you request partial check printing, Quicken prints a blank first page, a second page in portrait orientation, and a third page in landscape orientation.

#### WordPerfect 5.1

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Early versions of WordPerfect may exhibit some problems with this driver. Examples include: unreadable text in the WordPerfect Select Printers dialog; dimmed Select control in the Select Printers dialog when switching printers; and mismatched settings between AdobePS 3 and WordPerfect.

Workaround: Use at least version 5.1 of WordPerfect.

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