LaserWriter Software For Windows: Read Me File (1 of 2) (10/95)

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Article Created: 10 October 1995


TOPIC -----------------------------------------------------------

This article contains the ReadMe file included with the LaserWriter Software For
Windows version 1.1 posted online. This is part 1 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
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INSTALLING THE PRINTER DRIVER SOFTWARE
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Step 1
------
Start Windows 3.1.

Step 2
------
Exit from any applications that are now running.

Step 3
------
Insert Printer Disk 1 for Windows into your floppy disk drive.

Step 4
------
From the Windows Program Manager, choose File/Run.

Step 5
------
In the Command Line box, type a:\setup (where a: is your floppy diskette drive
indicator), and click OK.

Step 6
------
The Welcome screen displays.

Step 7
------
Click Express Installation to continue the installation procedure.  The
installation begins.  If the installer cannot copy the files to the
WINDOWS/SYSTEM directory because that directory is write protected, it will
alert you, asking whether to copy the files to an alternate directory.

Step 8
------
During the installation, the installer prompts you to restart Windows. Then, the
Adobe PostScript Printers Control Panel asks you for the particular printer or
printers to install. Highlight the printer name desired and click Install.


INSTALLING ADDITIONAL POSTSCRIPT PRINTERS FROM THEIR PPDS
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Step 1
------
Insert the diskette containing the PPD to be installed in a floppy diskette
drive. The PPDs included with this disk set are located on Printer Disk 3.

Step 2
------
In the Control Panel of the Windows Program Manager, double-click the Adobe
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PostScript Printers icon. The Adobe PostScript Printers dialog box appears.

Step 3

In the Drives box, select the drive containing the PPD that you wish to
install.

Step 4

In the Printer Descriptions Available box, select the PPD that you wish to use
to install the PostScript printer.

Step 5

Click Install. You can continue to install PPDs by selecting entries in the
Printer Descriptions Available box and clicking Install.

Step 6

Click Close when you have installed all the desired PPDs.

CONFIGURING THE POSTSCRIPT PRINTER DRIVER
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Step 1

In the Control Panel, double-click the Printers icon. The Printers dialog box
appears.

Step 2

Select the name of the printer that you want to configure in the Installed
Printers list of printers.

Step 3

To customize the printer driver settings available for your printer, follow the
instructions in "Setting printer driver options" in Chapter 7 of the Apple Color
LaserWriter 12/600 PS manual.

Step 4

If your printer is not connected to LPT1 or the port currently shown, click
Connect.

Step 5

In the Connect dialog box, select the port to which your printer is connected
and click OK. For more information on setting up for NetWare networks, see
"Setting Up the PostScript printer driver for NetWare" in Chapter 3 of the Apple
Color LaserWriter 12/600 PS manual.

DELETING PREVIOUS VERSIONS OF THE DRIVER SOFTWARE
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You are not required to remove previous versions of the driver or delete any
previously installed PostScript printers. However, if you suspect installation
problems, first remove your installed printers from the Printers dialog box in
the Windows Control Panel and reinstall them via the Adobe PostScript Printers
dialog box, also in the Windows Control Panel.

To delete a previous version of the driver:

1) Exit Windows.

2) 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

3) Restart Windows to use Notepad or another ASCII text editor to delete the
following entries from the WIN.INI file in the WINDOWS directory:

[<printer_name>,<port>]   <<<Delete this line
PrinterName=<printer_nickname>   <<<Delete this line

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

[PrinterPorts]
<printer_name>=ADOBEPS,<port>,15,45,...<<<Delete this line

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

INSTALLING THE PRINTER DESCRIPTION ON WINDOWS NT 3.5
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Follow the steps below to install the PostScript Printer Description file for
these Apple printers:
Apple Color LaserWriter 12/600 PS
Apple LaserWriter 16/600 PS
Apple LaserWriter Select 360
Apple LaserWriter Pro 600
Apple LaserWriter Pro 630

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Step 1
------
Start Windows NT 3.5


Step 2
------
Insert the Apple Windows Printer Disk 1 into your floppy disk drive.


Step 3
------
From the Windows Program Manager, choose File/Run.


Step 4
------
In the Command Line box, type a:\setup (where a: is your floppy diskette drive
indicator), and click OK.


Step 5
------
The Welcome screen appears.


Step 6
------
Select Custom Install and click Windows NT Printer Software. Make sure the other
check boxes are deselected.


Step 7
------
Click Install. Instructions for installing the Windows NT software appear. Click
Continue. The Print Manager appears.


Step 8
------
Select Create Printer from the Print Manager's Printer menu. The Create Printer
dialog box appears.


Step 9
------
Select Other (at the bottom of the list) in the Driver Combo box.


Step 10
-------
Insert the Apple Windows Printer Disk 3 into your floppy disk drive.


Step 11
-------
Make sure the correct floppy drive is indicated in the Install Driver dialog box
and click OK. A list of printer drivers appears.


Step 12
-------
Select the printer driver that corresponds to your printer and click OK.
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Step 13
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Follow the instructions on the screen. If you are installing software from the
Windows NT 3.5 CD, you may need to type the path for your driver location. The
path may be similar to this:
"c:\windows\system32\spool\drivers\w32x86\1\".
Click Continue and OK to complete the installation.

If you are installing Windows NT 3.5 software from floppy disks, you copy the
following files (followed by their locations) to the path of your driver
location:

PSCRIPTUI.DLL (Disk 13)
PSCRIPT.DLL (Disk 13)
PSCRIPT.HLP (Disk 18)
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USING THE APPLE COLOR LASERWRITER 12/600 PS
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This section provides additional information on using the Color LaserWriter
12/600 PS printer.

About the Demonstration Page

When the power is turned on, the Color LaserWriter 12/600 PS automatically
prints a startup page and a demonstration page. For legal and B5 paper sizes,
only the startup page prints; the demonstration page is not printed. You can use
the Apple Printer Utility to turn off the printing of the startup and
demonstration pages.

About the Apple Color LaserWriter 12/600 PS Status Panel

As described in the Color LaserWriter 12/600 PS manual, Appendix G, the status
panel lights aid in indicating hardware service problems found during printer
startup. If the Alert light is flashing and all the door lights are flashing,
check all the printer doors; one of them is open. If the Paper OUT and Paper Jam
lights are flashing alternately, a hardware problem has been detected. To
identify the problem, notice which toner lights (C, M, Y, Bk) and how many of
the maintenance lights (in the area on the right-hand side of the status panel)
are on, and refer to the table below. Each area listed under "Problem"
represents a general circuit area for the service technician to investigate, not
necessarily the exact cause of the problem.

Begin_Table

Toner Lights On	# Consumable Lights On	Problem
C	0	I/O Controller Boar
C	1	SIMM, Slot J11
C	2	SIMM, Slot J10
M	2	Hard Drive
M	3	I/O Controller ROM

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Y                      0         Fuser
Y                      1         Oil Pump in Fuser
Y                      2         Thermal Sensor in Fuser
Y                      3         Paper Feed Unit
Bk                     0         DC Controller
Bk                     1         Power Supply
Bk                     2         Toner Carousel
Bk                     3         Laser/Sanner Circuit
M & Bk                 0         Main Motor
M & Bk                 1         Drum Motor
M & Bk                 2         Laser/Scanner
C & Bk                 0         Controller Fan
C & Bk                 1         Fuser Fan
C & Bk                 2         Main Fan
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End_Table

If you have an external SCSI hard disk drive attached but don't turn it on
before you turn on the printer's power, the printer may indicate a hardware
failure. To correct the problem, turn the hard disk drive on and restart the
printer.

Using NetWare Banner Pages

The Color LaserWriter 12/600 PS is a PostScript printer only. If you are using
NetWare 4.x, use PostScript banner pages only. If you use another type of banner
page, your print job as well as the banner page will not print. Do not use
banner pages at all with NetWare 3.x. If you do, neither the banner page nor
your print job will print.

Printing Over Novell Networks

By default, binary PostScript sent via the Novell network is encoded in Tagged
Binary Communications Protocol (TBCP). The printer's TBCP filtering mode for
Novell is also on by default. If you change the Protocol Options to "None" from
the Printer Control Panel's PostScript setup, you must send the following
PostScript to turn off TBCP filtering for Novell on the printer:

true 0 startjob
(%PrintServer%)
<</Filtering /None>> setdevparams

If you subsequently change the Protocol Option back to "Default", you must send
the following PostScript to turn on TBCP filtering for Novell on the printer:

true 0 startjob
(%PrintServer%)
<</Filtering /InterpreterBased>>
setdevparams

The Novell filtering mode cannot be changed within a PostScript job, so the
above PostScript sets the filtering mode outside the job context; thus it
becomes permanent. If your printer's password has been changed from the default

setting, replace the "true 0 startjob" line with "true <your password> startjob".

Obtaining the Best Results for Business Graphics

To obtain the best results for business graphics, colors should be 100% saturated. For example, to print pure yellow, define yellow as 100% red and 100% green without any blue. Then print your document, ensuring the Send Full Color Data option on the Job Control tab dialog is selected.

Printing on Legal-Size Paper

In the standard memory configuration, the Color LaserWriter 12/600 PS uses a higher compression technique for legal-sized paper using only the cyan, magenta, and yellow color planes. As a result of this compression technique, very complex pages may show missing pixels in fine lines or small text, "jaggies" (edges with low-resolution appearance) and color changes. To improve the image quality of such pages, you can increase the printer's memory to 16 MB or more. With at least 16 MB of printer memory, the Color LaserWriter 12/600 PS can achieve the same quality with legal-size pages as with letter and A4 sizes using all four color planes (cyan, magenta, yellow, and black.)

Printing Images on the Color LaserWriter 12/600 PS Printer

The Color LaserWriter 12/600 PS printer's highest resolution for printing images is 150 x 150 dpi. No gain in image quality is achieved if higher resolution images are used. All other types of documents print at 600 x 600 dpi.

Avoiding Hue Shifts When Printing to File

When you save an image in an Encapsulated PostScript (EPS) file all the PostScript settings relating to the original output device in effect are saved along with the image data. When the image is printed later, the settings that were in effect may cause major hue shifts. To prevent these hue shifts save the image in TIFF format instead of EPS.

The Density Control Panel

The Color LaserWriter 12/600 PS has been adjusted at the factory to produce the best possible image quality. However, small variations exist among different printers. To make subtle changes to image quality, you can use the Density Control Panel on the back of the printer. NOTE: If changing the settings produces inferior image quality, return to the factory settings by following these steps: Select each color using the Color Select button, then press the – or + button to move the indicator light to the center position. When the indicator is in the center, press Enter to make the setting permanent. Repeat this procedure for all four colors.

Printer's Processor Speed

In the printer manual, Appendix A contains a typographical error: the microprocessor speed is 30 MHz, not 25 MHz as printed.

Using the Color LaserWriter 12/600 PS with a Windows NT Server

Using a Windows NT Server may cause spurious job records to be entered in the
printer's Job Log if the printer is busy. The jobs will have a status of
"cancelled".

OBTAINING PRINTER SUPPLIES FOR THE COLOR LASERWRITER 12/600 PS
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To order printer supplies for the Color LaserWriter 12/600 PS direct from Apple,
call 1-800-600-7805. For order numbers, see Appendix A of the printer manual.
* toner cartridges
* transparencies
* photoconductor cartridge (includes toner disposal boxes)
* fuser oil
* fuser
Instructions for replacing the fuser are in Appendix F of the printer manual.
Instructions for replacing other printer parts come in the new packages.

For the location of the nearest Apple-authorized dealer, call 1-800-538-9696,
extension 525.

APPLE PRINTER UTILITY 2.0
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Using the Apple Printer Utility with Other Apple Printers - You can use the
Apple Printer Utility for Windows only with the Apple Color LaserWriter 12/600
PS. For other Apple printers use the LaserWriter Utility for Windows that came
with the printer.

Using the Apple Printer Utility on the Parallel Port - When you select the
Parallel setting for the Apple Printer Utility you will see a delay of about
twenty seconds before the printer name appears. You will also see a delay if you
configure the Ethernet configuration within Communication Settings via
parallel.

Opening Dialogs within the Apple Printer Utility - Use the check boxes to open
individual dialogs within the Apple Printer Utility.

Printing on Parallel Connections Using Raw Protocol - The Color LaserWriter
12/600 PS printer does not support the Raw protocol on parallel connections.

Using the Apple Printer Utility with FaxWorks - The Apple Printer Utility may be
incompatible with FaxWorks. The symptom that may appear is a General Protection
Fault in the FaxWorks communication driver, FX-COMM.DRV. Using the default
Microsoft communication driver (COMM.DRV) appears to solve the problem. To use
the Microsoft COMM.DRV edit the SYSTEM.INI file. Change the line
"comm.drv=fx-comm.drv" to "comm.drv=comm.drv", save and close the file, and then
restart your system.

Support Information Services

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Keywords: ksts,kwindows

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19960215 11:05:19.00
Tech Info Library Article Number: 18723