LaserWriter: Printer Software for Windows 95 (6/96)

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TOPIC --

This article describes the Apple LaserWriter Printer Software for Windows 95.

• Installing the Printer Driver Software
• Files Installed
• Using the Apple Color LaserWriter 12/600 PS
• Obtaining Printer Supplies for the Color LaserWriter 12/600 PS
• Apple Printer Utility 2.0.2

DISCUSSION ---

About Your Apple LaserWriter Printer Software for Windows 95

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.

Installing the Printer Driver Software
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1) Start Windows 95.

2) Exit from any applications that are now running.

3) Insert Printer Disk 1 for Windows 95 into your floppy disk drive.

4) Click on the "Start" icon of the Task-Bar and select "Run...".

5) In the dialog that appears, type a:\setup (where a: is your floppy diskette drive indicator), and click OK. Follow the installer instructions.

Files Installed
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These PostScript Driver files are placed in c:\windows\system:
PSCRIPT.INI

```
FONTS.MFM
ICONLIB.DLL
PSCRIPT.DRV
PSCRIPT.HLP
PSMON.DLL
TESTPS.TXT
```

The ReadMe file, Apple Printer Utility, and required DLLs are
placed by default in c:\lwutils:
```
README.TXT
APU.EXE
APU.HLP
IDPSVCS.DLL
SPX_WPS.DLL
```

Required DLLs for NetWare are placed in c:\windows\system:
```
NWCALLS.DLL
NWIPXSPX.DLL
```

During installation the Add Printer Wizard installs APPLE380.SPD and the
selected PostScript Printer Description file in c:\windows\system:
```
APLWGRI2.PPD
APLWCOB1.PPD
```

For APLWCOB1.PPD file APLWCOB1.ICM is installed into c:\windows\system\color.

Using the Apple Color LaserWriter 12/600 PS
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NetWare Rprinter Printer Number

The printer may obtain the Rprinter Printer Number automatically.

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.

NOTE: The startup and demonstration pages can not be turned off from a PC
running Windows 95 if the Color LaserWriter 12/600 PS is connected to your PC
through the parallel port. You must be connected to the printer via a network to
use this option of the Apple Printer Utility.

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 Board |
| C | 1 | SIMM, Slot J11 |
| C | 2 | SIMM, Slot J10 |
| M | 2 | Hard Drive |
| M | 3 | I/O Controller ROM |
| 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/Scanner 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 |

End_Table

If you have an external SCSI hard disk drive attached but do not 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
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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
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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:

```
%=========================================================
% Begin PostScript Code
%
true 0 startjob
(%PrintServer%)
<</Filtering /None>> setdevparams
%
% End PostScript Code
%=========================================================
```

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:

```
%=========================================================
% Begin PostScript Code
%
true 0 startjob
(%PrintServer%)
<</Filtering /InterpreterBased>>
setdevparams
%
% End PostScript Code
%=========================================================
```

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
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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 2.0.2
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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

On Windows 95 you use the Apple Printer Utility with NetWare only. If you don't
have NetWare you can use the Apple Printer Utility on the parallel port from a
Windows 3.1 system.

Opening Dialogs within the Apple Printer Utility

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

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