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LaserWriter IINTX: Printing in HP Emulation Mode (Part 2 of 3)

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Part 2 covers troubleshooting your setup for printing in HP emulation mode. (Part 3 covers the upper 128 ASCII characters for HP LaserJet Plus emulation.)

Troubleshooting

LaserWriter II will not print test page to indicate HP emulation mode:

Check cable connections to and the paper supply for the LaserWriter II. Turn off any spooler commands that may be running on the PC.

Check the PostScript file (POST.TXT) and the batch file (HPMODE.BAT) for any typing errors. If none is apparent, try retyping the PostScript code from scratch. If the LaserWriter II does not receive the PostScript code character-for-character, the mode change will not work.

Once the code has been retyped, send it to the LaserWriter II. If the LaserWriter II prints a test page, then all is well. If the LaserWriter II prints a page containing the PostScript code, it is in LaserJet+ emulation mode, but a test page will not be printed (there is an error in the PostScript code that instructs the LaserWriter II to print a test page, but the mode switch was successful). If the LaserWriter II does nothing, then start over from step 1.

LaserWriter II will not print from within an application:

Check the application's print settings to ensure that it is sending output to LPT1 or COM1. The application also must be set up to print to a LaserJet+ using Times, Helvetica, or Courier.

NOTE: When printing from DOS, always follow the print command with a "Control-D" A "Control-D" tells the LaserWriter II that the data transmission is complete and that printing can now begin. The best method is to create another text file with a "Control-D" inside.

Enter the following from the DOS prompt:

```
COPY CON D.TXT  
(Control-D)
```

(Control-Z) or (F6)

Now, make a batch file to send the end-of-page marker to the printer. From the DOS prompt, enter:

```
COPY CON END.BAT
TYPE D.TXT > LPT1
(Control-Z) or (F6)
```

After doing a TYPE or Print Screen or DIR to the printer, just type END, and the printer will print any remaining data in the buffer.

If your print job does not have a Control-D (end-of-page) character, you must wait for your print job until a timeout, or until another job is printed that is larger than a page.

Printing to a LaserWriter IINTX in HP LaserJet Plus Emulation Mode Via AppleTalk from an MS-DOS Computer

1) Connection:

Connect a LocalTalk connector box to the appropriate port on the PC (an AppleTalk interface card must be installed inside the PC). Connect another LocalTalk connector box to the LaserWriter II. Using a LocalTalk cable, connect the two connector boxes together.

Note: If more devices are to be added to the AppleTalk network, consult the manual that came with the LocalTalk cables and connectors.

2) Switch Settings:

While the LaserWriter IINTX is off, set the printer DIP switch settings to:

- 1) UP
- 2) UP
- 3) DOWN
- 4) DOWN
- 5) UP
- 6) UP

These switch settings place the LaserWriter IINTX in:

HP LaserJet Plus mode
LocalTalk

3) Power On:

Turn on the LaserWriter IINTX and the PC. After a few seconds, the LaserWriter II will print a test page containing its current settings (listed above).

- 4) Using AppleShare PC, connect to the LaserWriter IINTX on the AppleTalk network. Set the LaserWriter for PostScript mode. This lets the ASCII characters from the PC be passed to the LaserWriter IINTX across LocalTalk.
- 5) Print to the LaserWriter IINTX as if it were directly connected to the LPT port selected in AppleShare PC.

Currently, there is no available method of software-switching back to PostScript or any other emulation mode once leaving the PostScript mode. The correct method is to change the DIP switch settings and wait 30 seconds. If PostScript is desired, switch 1 should be set to the DOWN position. Wait 30 seconds and place the switch back to the UP position. Copyright 1989 Apple Computer, Inc.

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