



Tech Info Library

MAE Printing: HP UNIX to LaserWriter II, IINT (11/94)

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Security: Everyone

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TOPIC -----

I purchased MAE and installed it on my Hewlett Packard (HP) Apollo 735 workstation. I also have two Apple LaserWriters, a LaserWriter II and LaserWriter IINT. I'm experiencing difficulties in printing from MAE to both LaserWriters. I haven't been able to print from the UNIX workstation yet either.

Is there any information you can provide that will help?

DISCUSSION -----

To print from an HP workstation running HP-UX through it's serial port to Apple's LaserWriter II, IINT, and IINTX, follow the three steps below. For example purposes only we used a LaserWriter IINTX, for a LaserWriter II or IINT, the procedure would be identical.

1) Be certain the DIP switches are set properly for the LaserWriter IINTX.

While the LaserWriter IINTX is off, set the printers DIP switches to:

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

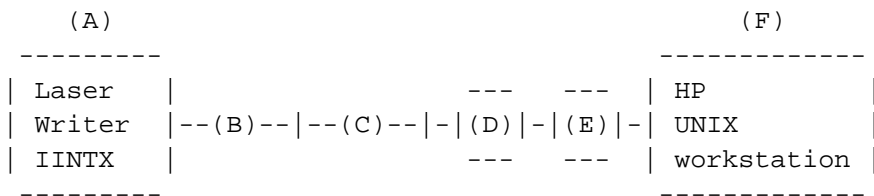
These switch settings place the LaserWriter IINTX in:

PostScript Batch Mode
RS-232 9600 bps
RS-422 9600 bps
7 data bits

No parity
1 stop bit
DTR/DSR handshake

2) Be certain you have the correct hardware cables:

Connect an Apple 25 pin serial cable, 590-0037, to an Apple modem eliminator, 590-0166. Connect one end (of the serial cable/modem eliminator segment) to the 25 pin serial port of the LaserWriter IINTX. To the other end (of the serial cable/modem eliminator segment) connect a female to female gender changer (RS-232c), then a male DB-25 to female DB-9 adapter, and finally to the male DB-9, RS-232, connector on the HP UNIX workstation. The following illustration to help you visualize this connection:



- A) Female DB-25, Apple LaserWriter IINTX
- B) Apple 25 pin serial cable 590-0037
- C) Apple modem eliminator 590-0166
- D) Female to female gender changer (RS-232c)
- E) Male DB-25 to female DB-9 adapter
- F) Male DB-9, HP UNIX workstation (RS-232)

3) Use SAM (System Administration Manager, a HP-UX utility for system administrators to configure the HP PA-RISC workstation) to configure the RS-232 serial printer:

Launch SAM at the workstation, to configure the local RS-232 serial printer, and use "laserjet" as the printer choice.

Test the printer connection with a Poscript file, send a Poscript job to the printer. Here is a sample Poscript job we used to test the printer:

```
*****Copy below
%! Adobe-Postscript
/Helvetica findfont 30 scalefont
setfont 50 50 moveto
(Ed Garcia: How are you, fella!) show
showpage
^D
*****Copy above
```

Also, before you can print from MAE, printing from your UNIX workstation has to work first.

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