# Personal LaserWriter NTR: Printing Legal Size with PC Software

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

I purchased a Macintosh Quadra 700, a 16-inch color monitor, and a Personal
LaserWriter NTR.  I have an application from VAR that I run under SoftAT.
I found it impossible to print to the Personal LaserWriter NTR from within
SoftAT.

I purchased an i386 PC just to run this software.  Now I can print to the
Personal LaserWriter NTR, but not legal size.  The printer is set to HP
Emulation.  A setup string is in a dialog box that comes up in the UAR
software.  The book from UAR states that to print to an HP requires the
setup string to read: HPII Chr(27);"&l3A".  This string in the dialog box
along with the switch on the HP set to legal will produce legal output, but
there's no switch on a Personal LaserWriter NTR.  Also, when I include the
lower case "L" in the setup text string, I get a PostScript error.

Personal LaserWriter NTR Configuration:

• Thumb wheel set to position 8: This should yield HP IIP emulation.
• Baud rate of 9600
• Parallel port on the Personal LaserWriter NTR from the i386 PC
• DB-25 male to Centronics 36-pin parallel cable

DISCUSSION --------------------------------------------------------

Our testing indicates that the only way to print legal size documents
without a legal size paper tray installed is to set the port, in this case
the parallel port, to PostScript mode and prepend all HP LaserJet IIP jobs
with the following:

    legal
    currentfile /LaserJetIIP statusdict /emulate get exec

and end the job with a control-D (eof character).

The "legal" operator in the first line tells the LaserWriter to use a legal
size frame buffer for the current job.

If you install a "Personal LaserWriter 250 Sheet Cassette Base" and use a

legal tray, you should have no problems using the parallel port in HP
LaserJet IIP emulation mode and printing legal size documents.
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