



# Tech Info Library

## Personal LaserWriter NT: Switch Settings (11/96)

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Security: Everyone

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TOPIC -----

Users sometimes confuse the Personal LaserWriter NT switch assembly with the SCSI ID selector found on SCSI hard drives. These users change the printer mode number from zero (the default LocalTalk/PostScript setting) to another number. If the printer is set to anything other than zero or seven, the printer will disappear from the Chooser and the green ready light may begin blinking. How can users resolve this problem?

DISCUSSION -----

To resolve this problem, reset the mode selector switch to zero, then restart the printer. When the test page prints, verify that it contains the desired printer configuration information.

The Personal LaserWriter NT has two connectors (DIN-8, DB-25) and a switch assembly that looks almost identical to the SCSI ID selector switch on external SCSI drives. The switch assembly sets the printer mode (LocalTalk/PostScript, Diablo 630 Emulation, and so on) for the printer, and has nothing to do with a SCSI ID setting.

Here is the switch setting information:

Switch	Port	Mode Setting
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0	Din-8 DB-25	AppleTalk, PostScript (normal mode) Serial, no input
1	Din-8	Serial (9600), (No parity), 7 data bits, 1 stop bit,
	DB-25	XON/XOFF, PostScript Batch Mode Serial 9600, No parity, 7 data bits, 1 stop bit, XON/XOFF, PostScript Batch Mode

2	Din-8	Serial 9600, No parity, 8 data bits, 1 stop bit, XON/XOFF, HP Emulation
	DB-25	Serial 9600, No parity, 8 data bits, 1 stop bit, XON/XOFF, HP Emulation
3	Din-8	Serial 9600, No parity, 8 data bits, 1 stop bit, XON/XOFF, Diablo 630 Emulation
	DB-25	Serial 9600, No parity, 8 data bits, 1 stop bit, XON/XOFF, Diablo 630 Emulation
4	Din-8	Serial 1200, No parity, 7 data bits, 1 stop bit, XON/XOFF, PostScript Batch Mode
	DB-25	Serial 1200, No parity, 7 data bits, 1 stop bit, XON/XOFF, PostScript Batch Mode
5	Din-8	Serial 9600, No parity, 8 data bits, 1 stop bit, no handshake(?), PostScript Batch Mode
	DB-25	Serial 9600, No parity, 8 data bits, 1 stop bit, DTR, PostScript Batch Mode
6	Din-8	Serial 9600, No parity, 8 data bits, 1 stop bit, XON/XOFF, PostScript Binary Mode
	DB-25	Serial 9600, No parity, 8 data bits, 1 stop bit, XON/XOFF, PostScript Binary Mode
7	Din-8	AppleTalk, PostScript (normal mode)
	DB-25	no input

Notes:

- For switch positions 1 through 6, the parameters are listed in the following order: data transfer rate, parity check, number of data bits, stop bits, handshake and mode.

- PostScript Binary Mode allows the user to change in and out of the various emulation modes (like Diablo 630 and HP Emulation) while still in PostScript by using control codes. This was a limiting factor on the LaserWriter IINTX, but is available on the Personal LaserWriter.

- When the switch is set to 4 and you turn on the printer, you will get a diagnostic page instead of the normal startup page. This page shows the current parameters of each switch setting and other useful information.

- To Connect the Personal LaserWriter to an MS-DOS computer with a LocalTalk PC Card installed, use setting 0 or 7 [0 is the default setting from the factory].

Article Change History:

08 Nov 1996 - Combined with similar article.

03 Sep 1992 - corrected to call the product "Personal LaserWriter NT"

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