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LaserWriter IINTX: Switch Configurations

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Security: Everyone

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The LaserWriter IINTX has a bank of 6 DIP switches located on the controller panel. These switches are used for controlling the mode of operation, serial port configuration, and communication parameters. The switches will be preset to the AppleTalk configuration.

Switch 1	Switch 2	Meaning
Up	Up	8 pin AppleTalk (Serial Port Disabled)
Down	Up	25 pin RS-232 and 8 pin RS-422 * Serial Ports 1200 baud
Up	Down	25 pin RS-232 and 8 pin RS-422 * Serial Ports 9600 baud
Down	Down	25 pin RS-232 serial port 9600 baud;** 8 pin RS-422 serial port 0 baud

Switch 3	Switch 4	Meaning
Up	Up	PostScript Batch
Down	Up	Diablo 630
Down	Down	HP LaserJet
Up	Down	PostScript Interactive

Switch 5	Switch 6	Meaning
Down	Down	No Handshake

Up	Up	ON/XOFF
Down	Up	Etx/Ack
Up	Down	DSR

* Both serial ports are enabled. Serial communication and AppleTalk communication are NOT compatible, and will never occur at the same time.

** This configuration allows you to use the 25 pin RS-232 port while leaving LocalTalk connected. This prevents serial communication from interfering with the AppleTalk Network.

The switch configuration settings are maintained between power-off and power-on cycles by the 2K battery-backed-up ZPRAM (Zero-Power-RAM) equivalent to the EEROM of the LaserWriter IINT. The same PostScript commands that are used to modify the EEROM parameters will ALSO set or read the ZPRAM parameters. Consistency between the switch configurations and the ZPRAM is maintained through the VIA. Toggling a switch, waiting 30 seconds, then toggling the switch back forces the ZPRAM to update to the current switch settings.

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