LaserWriter IIf/IIg: Communication Switch Settings (4/94)

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TOPIC ---

This article discribes the communication switch settings on the LaserWriter IIf
and LaserWriter IIg printer.

Discussion---

The LaserWriter IIg contains an ethernet port, the LaserWriter IIf does not, so
when the chart indicates ethernet, it only applies to the LaserWriter IIg
printer.

The following table shows the communication settings in effect when the printer
is new. The push-button switch on the printer's connector panel can be set to
positions 0-9. Switch positions 0-5 are fixed, and the settings for these
positions cannot be changed. Positions 6-9 are user-configurable; you can change
the settings for these positions to match the needs of the computer you are
connecting. The section "Available Settings," at the end of this article, lists
all the options available for each setting.

From a Macintosh computer, you use the LaserWriter Utility program to display
and change communication settings. From a computer other than a Macintosh, you
can send PostScript commands to the printer to change the communication
settings.

Settings

Switch Number	Port Name	Connect Type	Baud Rate	Parity	Data Bits	Stop Bits	Flow Cntrl	Protocol	Mode
0	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	9600	None	8	1	XON/XOFF	Normal	PS
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
1	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	9600	None	8	1	DTR	Raw	HP
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
2	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	19.2K	None	8	1	XON/XOFF	Normal	PS

	Port	Protocol	Baud	Parity	Data	Stop	Flow	Mode	Lang
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
3	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	9600	None	8	1	XON/XOFF	Raw	*
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
4	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	1200	None	7	1	XON/XOFF	Normal	PS
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
5	Din-8	Serial	9600	None	8	1	XON/XOFF	Normal	PS
	RS-232	Serial	9600	None	8	1	XON/XOFF	Normal	PS
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
6	Din-8	LocalTalk	19.2K	None	8	1	XON/XOFF	Normal	PS
	RS-232	Serial	19.2K	None	8	1	XON/XOFF	Normal	PS
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
7	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	9600	None	8	1	DTR	Normal	PS
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
8	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	1200	None	8	1	XON/XOFF	Raw	HP
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS
9	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	9600	None	8	1	XON/XOFF	Binary	PS
	Ethrnet	EtherTalk	-	-	-	-	-	-	PS

PS - PostScript
HP - HP PCL 4
* - Nonprinting input: This is used when a device-such as an automatic
                        sheet feeder-is connected to the serial port and
                        receives special commands from a computer
                        connected through another of the printer's ports.

Available Settings

The following table briefly describes the communication settings and lists the
options available for each.

Setting	Description	Options
Baud Rate	The speed of transmission between the computer and printer.	300, 600, 1200, 1800, 2400, 3600, 4800, 7200, 9600, 19200, 57600
Parity	The method used to compare transmitted	None, odd, even,

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                 and received data to check for errors.  mark, space

Data Bits        The number of bits used to represent   7, 8
                 each character.

Stop Bits        The number of bits used to indicate     1, 2
                 the end of a character.

Flow Control     The method used to prevent transmitted  XON/XOFF, DTR
                 data from exceeding the rate at which   ETX/ACK
                 the receiving end can accept it.

Protocol         The digital format in which the data    Normal, Raw, Binary
                 is presented.

Mode             The communication standard used to      Postscript, HP Printer
                 transmit data                           Command Language 4,
                                                         and Nonprinting Input
                                                         (not intended for a
                                                         computer connection)
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Keywords: <None>

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