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

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TOPIC -----

This article describes 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
	Ethrnnet	EtherTalk	-	-	-	-	-	-	PS
2	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	19.2K	None	8	1	XON/XOFF	Normal	PS
	Ethrnnet	EtherTalk	-	-	-	-	-	-	PS
3	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	9600	None	8	1	XON/XOFF	Raw	*
	Ethrnnet	EtherTalk	-	-	-	-	-	-	PS
4	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	1200	None	7	1	XON/XOFF	Normal	PS
	Ethrnnet	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
	Ethrnnet	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
	Ethrnnet	EtherTalk	-	-	-	-	-	-	PS
7	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	9600	None	8	1	DTR	Normal	PS
	Ethrnnet	EtherTalk	-	-	-	-	-	-	PS
8	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	1200	None	8	1	XON/XOFF	Raw	HP
	Ethrnnet	EtherTalk	-	-	-	-	-	-	PS
9	Din-8	LocalTalk	-	-	-	-	-	-	PS
	RS-232	Serial	9600	None	8	1	XON/XOFF	Binary	PS
	Ethrnnet	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 and received data to check for errors.	None, odd, even, mark, space
Data Bits	The number of bits used to represent each character.	7, 8
Stop Bits	The number of bits used to indicate the end of a character.	1, 2
Flow Control	The method used to prevent transmitted data from exceeding the rate at which the receiving end can accept it.	XON/XOFF, DTR ETX/ACK
Protocol	The digital format in which the data is presented.	Normal, Raw, Binary
Mode	The communication standard used to transmit data	Postscript, HP Printer Command Language 4, and Nonprinting Input (not intended for a computer connection)

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