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LaserWriter Pro 600/630: Communication Switch Settings (2/95)

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Topic-----

This article describes the communication switch settings on the LaserWriter Pro 600 and LaserWriter Pro 630 printer.

Discussion-----

The LaserWriter Pro 630 contains an ethernet port, the LaserWriter Pro 600 does not, so when the chart indicates ethernet, it only applies to the LaserWriter Pro 630 printer.

The following table shows the communication settings in the printer. 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 Available Settings section lists the options that are 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
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Normal	PS
1	Din-8	LocalTalk	-	-	-	-	-	-	PS
.	RS-232	Serial	9600	None	8	1	DTR	Raw	HP
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Raw	HP

2	Din-8	LocalTalk	-	-	-	-	-	-	PS
.	RS-232	Serial	19.2K	None	8	1	XON/XOFF	Normal	PS
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Normal	PS
3	Din-8	LocalTalk	-	-	-	-	-	-	PS
.	RS-232	Serial	9600	None	8	1	DTR	Raw	*
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Raw	HP
4	Din-8	LocalTalk	-	-	-	-	-	-	PS
.	RS-232	Serial	1200	None	7	1	XON/XOFF	Normal	PS
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Normal	PS
5	Din-8	Serial	9600	None	8	1	XON/XOFF	Normal	PS
.	RS-232	Serial	9600	None	8	1	XON/XOFF	Normal	PS
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Normal	PS
6	Din-8	Serial	19.2K	None	8	1	XON/XOFF	Normal	PS
.	RS-232	Serial	19.2K	None	8	1	XON/XOFF	Normal	PS
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Normal	PS
7	Din-8	LocalTalk	-	-	-	-	-	-	PS
.	RS-232	Serial	1200	None	8	1	ETX/ACK	Normal	PS
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Normal	PS
8	Din-8	LocalTalk	-	-	-	-	-	-	PS
.	RS-232	Serial	1200	None	8	1	DTR	Raw	HP
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Raw	HP
9	Din-8	LocalTalk	-	-	-	-	-	-	PS
.	RS-232	Serial	9600	None	8	1	XON/XOFF	Binary	PS
.	Ethernet	EtherTalk	-	-	-	-	-	-	PS
.	Parallel	Centronic	-	-	-	-	-	Binary	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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24 Feb 1995 - Corrected Switch setting #1.

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