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LaserWriter Pro 810: Cables For Maintenance RJ12 Port (4/95)

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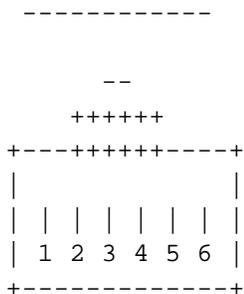
TOPIC -----

How can I interface to the RJ12 maintenance port on the LaserWriter Pro 810?

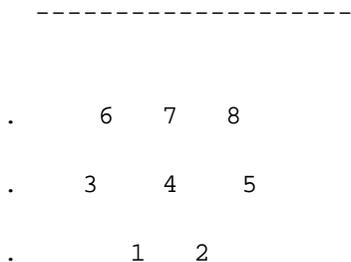
DISCUSSION -----

The LaserWriter Pro 810 includes an RJ12 maintenance port that can be accessed using a standard DEC terminal or almost any terminal emulation software package. In order to connect a Macintosh to the port a special serial cable needs to be constructed. The cable requires an RJ12 and a DIN-8 connector, along with suitable 6 wire cable.

RJ12 Diagram



DIN-8 (male) Diagram



RS-232 Signal (DB-9) for DOS/Windows Connection

- 1 DCD: Data Carrier Detect
- 2 RXD: Receive Data
- 3 TXD: Transmit Data
- 4 DTR: Data Terminal Ready
- 5 GND: SIGNAL Ground
- 6 DSR: Data Set Ready
- 7 RTS: Request to Send
- 8 CTS: Clear to Send
- 9 Ring Indicator

RS-232 Signal (DB-25) for DOS/Windows Connection

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- 1 - Shield
 - 2 - TXD: Transmit Data
 - 3 - RXD: Receive Data
 - 4 - RTS: Request to Send
 - 5 - CTS: Clear to Send
 - 6 - DSR: Data Set Ready
 - 7 - GND: SIGNAL Ground
 - 8 - DCD: Data Carrier Detect
 - 20 - DTR: Data Terminal Ready
 - 22 - Ring Indicator

Maintenance port to Macintosh wiring diagram

RJ12	DIN-8	
-----	-----	
2	5	(RXD)
5	3	(TXD)
3,4	4,6,8	(GND)
6	1	(DTR)
1	2	(CTS)

Maintenance port to DOS/Windows wiring diagram

RJ12	RS-232 DB-25	
-----	-----	
2	3	(RXD)
5	2	(TXD)
3,4	1,7	(GND)
6	20	(DTR)
1	5	(CTS)

RJ12	RS-232 DB-9	
-----	-----	
2	2	(RXD)
5	3	(TXD)
3,4	5	(GND)
6	4	(DTR)
1	8	(CTS)

Configure the terminal emulation package for 9600 baud, 8 data bits, 1 stop bit,

and no parity. After turning the printer on the terminal should display a list of diagnostic information which will continue until the printer is ready to print.

In order to log into the remote Console Facility (RCF), wait until the message 'Server -993- Server ready for logins' appears and then press return. The terminal should prompt for a username. The default username is 'access'. Typing 'show server status' at the 'server>' prompt is one of many commands that can be entered in order to obtain status information about the printer.

In order to make changes to the print server you must have superuser status. Enter 'su' at the 'server>' prompt. The terminal will then ask for a password. The default password is 'system'. As long as the password is correct the prompt will change from 'server>' to 'server>>' indicating that the superuser mode is enabled. For additional information regarding the remote console facility (RCF) consult the network installation and configuration manual.

If you are having difficulties entering into the superuser mode, search for the following articles in the Tech Info Library:

- . LaserWriter Pro 810: How to Enter Super User Mode
- . LaserWriter Pro 810: Password not Accepted

Article Change History:

- 24 Apr 1995 - Slight typographical correction.
- 02 Feb 1995 - Added DOS/Windows connections
- 05 Oct 1994 - Added articles on entering superuser mode.

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