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Apple III: Interfacing a LaserWriter and III E-Z Pieces (10/94)

Revised: 10/18/94
Security: Everyone

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TOPIC -----

The following describes the connection between III E-Z Pieces on the Apple III and the LaserWriter.

DISCUSSION -----

I. Apple III:

A. Driver: .RS232

1. Data Configuration Block:

0	1	2	3	4	5	6	7	8	9	A	B
--	--	--	--	--	--	--	--	--	--	--	--
0E	00	00	00	00	80	13	11	DF	84	50	00

No parity is set automatically in the Printer Mode.

II. The Connection

1. Cables

- Connect Modem Eliminator Cable (Part #590-0166) to the connector on the back panel of the Apple III.
- Connect the Serial and Communications Cable (Part #590-0037) to the connector on the Laserwriter.
- Connect the remaining ends of the two cables together.
- Here is a diagram of the connection:

From:				To:			
Apple III				LaserWriter			
Back panel Serial Port							
DB-25 connector				DB-25 connector			
signal	-	pin	wiring	pin	-	signal	
Frame Ground		1	<->	1		Frame Ground	
Tx		2	<->	3		Rx (Receive Data)	
Rx		3	<->	2		Tx (Transmit Data)	
RTS		4	<->	4		RTS (Ready To Send)	
Signal Ground		7	<->	7		Signal Ground	
DTR		20	<->	20		Tx (Transmit Data)	

III. LaserWriter

1. Set the Selector Switch on the LaserWriter to "Special". This can be done without turning off the printer. In Diablo 630 emulation mode the LaserWriter uses 9600 baud, XON/XOFF protocol, and no parity.

IV. Verification

1. To verify the connection, turn on the III, video monitor, and LaserWriter. Boot III E-Z Pieces and choose "Other Activities" from the Main Menu. Add a custom printer, naming it LaserWriter.

Use these settings for this custom printer:

- | | |
|---------------------------------------|------------|
| 1. Needs line feeds after each Return | No |
| 2. Accepts top-of-page commands | Yes |
| 3. Stop at end of each page | No |
| 4. Platen width | 8.0 inches |
| 5. Printer codes | Yes |

The printer codes for the Diablo Emulation are in the LaserWriter Technical Description. If you specify no printer codes, the typeface will default to Courier standard, 12 characters per inch, monospaced.

2. Return to the Main Menu and try to print a document.
3. Be aware that when you use the 3E-Z Pieces command OA-H (for hard copy), you will have to print a document using OA-P before you may use the OA-H command again. This is because the command OA-H does not issue the form feed the LaserWriter needs to clear its Diablo emulation settings.

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Support Information Services

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