

Here is the information from the HP LaserJet manual about configuring the HP LaserJet printer for the Apple /// using the serial port. I don't have the modem eliminator cable and so haven't tried this. I have connected my Apple /// to the HP LaserJet printer using the parallel port. I used Word Juggler and configured it to emulate a Diablo printer. The LaserJet printed out the document with only some margin-related confusion. I normally use a Toshiba P1340 printer that has excellent letter-quality print. The HP LaserJet is not mine and I haven't taken the time to become familiar with it or the manual.

Configuring your HP LaserJet series II Printer with an Apple /// Computer.

Introduction

This configuration guide will explain how to set up your A/// to communicate with the LaserJet series II printer. Before you begin, check the following list to be sure you have all the necessary components:

Typical Configuration

Computer system:

- A/// system,
- Serial communication interface.

Printer equipment:

- HP LaserJet series II printer,
- A/// modem eliminator cable (Apple A 3M0019)
- Male-to-male standard RS-232C cable

Connection Instructions

Follow these steps to install the LaserJet series II printer to the A///.

1. Turn off the system unit and the LaserJet series II printer.
2. Connect your LaserJet series II printer to A///, using both the Apple Modem eliminator cable and the male-to-male RS-232C cable. Connect one end of the Apple modem eliminator cable to the interface connector on the computer and the other end to one end of the RS-232C cable. The other end of the RS-232C cable should be connected to the RS-232 interface connector on the printer.

Cable Pin Assignments

You may wish to wire your own cable connector. In the illustrations below we have provided diagrams of the pin assignments for serial cables.

HP LaserJet SII (male connector)	Computer (male connector)
chassis ground 1	1 chassis ground
to 2	2
RD 3	3
.	.
.	.
25	25

Communication Verification

To verify your configuration, power on the LaserJet series II and set on-line. Next, type in the following BASIC program. This program simply verifies that the computer and the printer are communicating.

```

10 Open #1, ".RS232" (opens serial port)
20 Print #1;CHR$(27);"E"; (resets the printer)
30 Print #1;"LASERJET SERIES II COMMUNICATION OK!"
40 Print #1;CHR$(13); (sends carriage return)
50 Print #1;CHR$(12); (sends form feed)
60 Close#1 (closes the serial port)
70 End

```

Finally, enter RUN on the computer to execute. The LaserJet series II printer will print "LaserJet series communication OK!"
Type "system" and press return to exit BASIC.

If you have followed these steps carefully, your A/// and the LaserJet series II printer are communicating with each other.

IN Case of Difficulty

If there is no communication, check the following list:

1. Is the cabling seated properly?
2. Is the printer on-line?
3. Is printer working properly? Check by running a test print.
4. Is the computer working properly? Check by running an application you know works.
5. Have you configured the printer for the serial interface using the Control Panel?
6. Is the baud rate set the same for both printer and computer?

The following is the explanation of the Figure, shown on the back page of the Newsletter, of the Serial Connection of an A/// to the Printer.

Once you have the cable connections, the following steps will configure your A/// to print on the LaserJet series II printer.

1. Power on the LaserJet series II printer and your computer.
2. Using the A/// System Configuration Program, modify the RS-232C serial driver by setting the driver configuration block as follows: (for more details, refer to the A/// standard device drivers manual):

```

Byte  0  1  2  3  4  5  6  7  8  9  A  B
value 0E 00 00 00.....80

```

This sets the driver to 9600 baud, 8 data bits, no parity and hardware handshaking. (copied from A/// 3-56)