

Windows Me Printers

OBJECTIVES

1. Print a test page.
2. View CMOS parallel port settings.
3. Print a CMOS screen.
4. Install a printer in Windows Me.
5. Explore Windows printer properties.
6. Print a test page on the printer.



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RESOURCES

1. Marcraft 8000 Trainer with Windows Me installed
2. A printer with documentation
3. Manufacturer's printer drivers (optional)
4. Printer power cable
5. Printer interface cable

DISCUSSION

This lab is very general in nature because printer settings vary greatly between manufacturers and printer models. Most printers have a parallel port interface. Some have USB, SCSI, serial port, and possibly infrared interfaces with the computer. We will explore some of the CMOS settings regarding parallel ports that connect to printers. We will also print a test page without the computer and use PRINT SCREEN to print some basic text. You will install a printer with Windows Me, explore the properties of the printer, and print a test page.

PROCEDURE

1. **Test Page**
 - ___ a. Plug in the power cable to the printer.
 - ___ b. Plug in the parallel cable to the printer and the computer.
 - ___ c. Turn on the printer.



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- ___ d. Consult your printer's documentation to print a test page and do so. This is usually accomplished by pressing a combination of the printer's buttons.

2. Parallel Port Mode

- ___ a. Boot the computer and press DELETE or whatever key is used to enter setup.
- ___ b. Use the ARROW keys to select Integrated Peripherals and press ENTER.
- ___ c. Scroll down with the ARROW keys to "Parallel Port Mode".
- ___ d. Press the PAGE UP, PAGE DOWN, +, or - keys to view all the options available.
- ___ e. These parallel port modes could possibly support printers that have EPP or ECP communication features. Record your different parallel port modes in Table 20-1.
- ___ f. Change the settings back to their default.
- ___ g. Press ESC to return to the main CMOS screen.

3. Print screen

- ___ a. Make sure that the printer is on and connected to the computer.
- ___ b. Press the PRINT SCREEN key. Depending on your BIOS version you may need to press PRINT SCREEN several times or press SHIFT + PRINT SCREEN.
- ___ c. Verify that the screen has printed.
- ___ d. Press ESC to exit CMOS Setup. Select Yes to quit without saving. Press ENTER.
- ___ e. Turn off the computer and the printer.

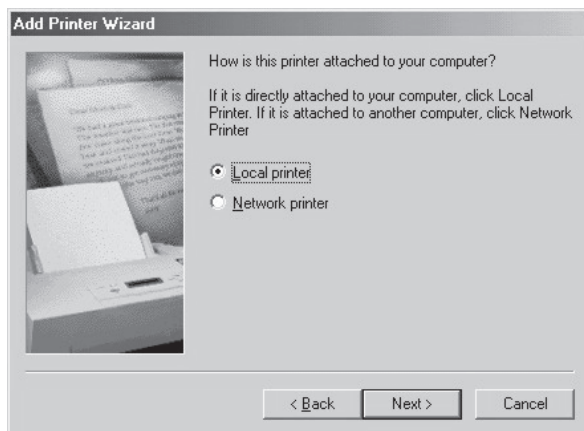


Figure 20-1: Add Printer Wizard

4. Install printer in Windows

- ___ a. Obtain the manufacturer and model of the printer and record them in Table 20-2.
- ___ b. Boot to the Windows Millennium desktop.
- ___ c. Click Start/Settings/Printers.
- ___ d. In the window that opens double-click on Add Printer.
- ___ e. The *Add Printer Wizard* will appear; click Next.
- ___ f. The "Local or Network printer" option will appear as in Figure 20-1. Verify that Local printer is selected. Click Next.
- ___ g. Referring to Table 20-2, scroll down the "Manufacturers:" list, as shown in Figure 20-2, and click on the appropriate manufacturer for your printer. Scroll down the "Printers:" list and select the appropriate model of your printer. Click Next.

NOTE: If your printer is not listed, insert the CD provided by the manufacturer; click Have Disk, specify the location, click OK, and follow the prompts to install the printer.

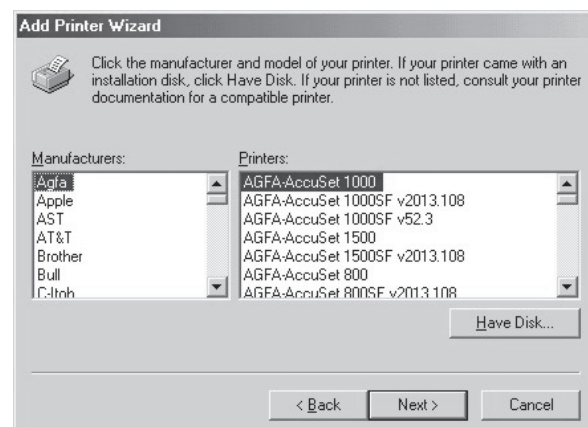


Figure 20-2:
Printer Selection

- ___ h. Click on LPT1 (unless otherwise directed by your instructor) from the list that appears. This is the normal port that is used by a parallel port on a computer for printing. Click Next.
- ___ i. You will be prompted to specify a name for the printer. Use the default and click Next.
- ___ j. You will be prompted to print a test page. Select No. Click Finish.
- ___ k. After files are copied verify that the printer now appears in the PRINTERS folder. It should look similar to Figure 20-3.

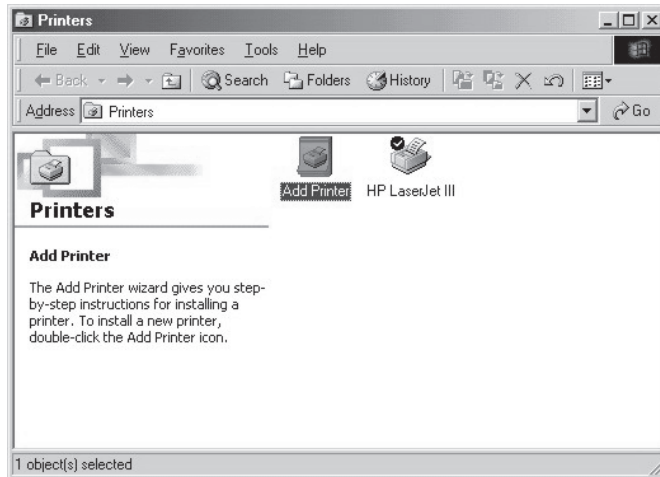


Figure 20-3: Printers Folder

5. View Printer Properties and test page

- ___ a. Double-click on the printer you have just installed.
- ___ b. A window similar to Figure 20-4 will appear. Click Printer/Properties.
- ___ c. The properties of the printer will now open to the General tab. From this tab you can change the name, location, comments, and printing preferences of the printer. Click the "Print Test Page" button.
- ___ d. A window similar to Figure 20-5 will appear. Verify that the test page has printed correctly and click Yes.

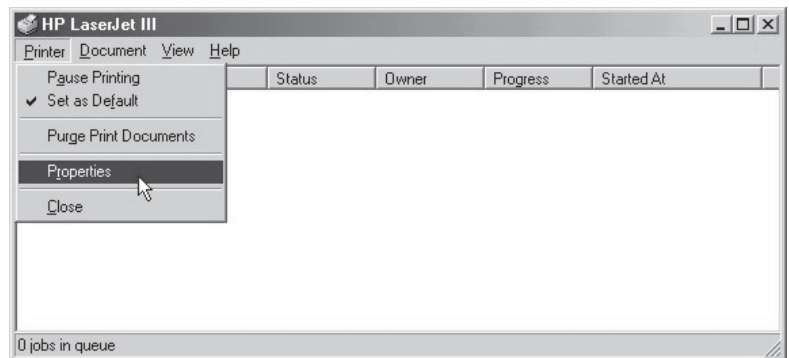


Figure 20-4: The Printer Window

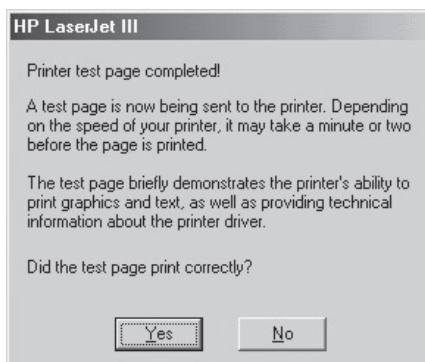


Figure 20-5: Test Page Dialog

- ___ e. On the test page that has printed look for the "Driver name:" information. Record the name of the driver in Table 20-3.
- ___ f. Click the Details tab. This shows information about the communication ports available on your computer. From this window you can Add, Delete, and Configure ports. Record the printer port that your printer is connected to in Table 20-4.
- ___ g. Click the Graphics tab. From this tab you can change the printer's resolution and intensity.

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- h. Click the Fonts tab. From this window you can view the fonts supported by your printer. Record the first two fonts listed in Table 20-5.
- i. Click the Device Options tab. It may look similar to Figure 20-6. The settings in this window are specific to your printer. You can change various printer memory settings from this window.

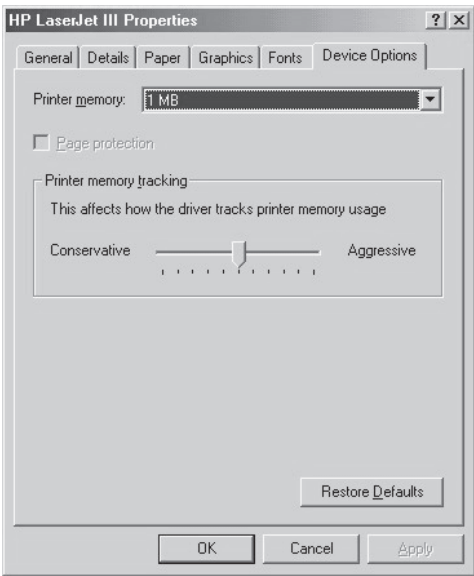


Figure 20-6: Device Options

- j. Click OK and close all open windows.
- k. Shut down the computer.

TABLES

Table 20-1

Parallel Port Modes			

Table 20-2

Printer	
Manufacturer:	
Model:	

Table 20-3

Printer Driver Name:	
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Table 20-4

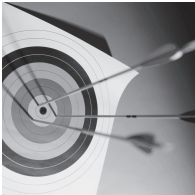
Printer Port Printer Connected to:	
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Table 20-5

Fonts Tab:	

LAB QUESTIONS

1. Did you install a local or network printer?
2. On what port is the printer installed?
3. Did you share the printer?
4. What can you do from the Graphics tab?
5. What are some possible settings from the Device Options tab?
6. What did you have to do to print a test page with your printer?
7. What was your specific procedure for printing the screen?
8. What key is used to enter setup on your system?



Feedback

