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From: Jerry Donovan <jerryd@gr.hp.com>

Message-Id: <9405051527.AA03438@hpgrie.gr.hp.com>

Subject: ScanJet Plus problems?

To: griffin@hpfccla.fc.hp.com

Date: Thu, 5 May 94 9:27:40 MDT

Mailer: Elm [revision: 70.85]

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In hp.msos you wrote:

> I have a copy of the HP DeskScan II software (part no. C2502-15000)  
>and when I run the SETUP.EXE program it gives me a selection choice for  
>the HP ScanJet Plus, which is the scanner that was installed in the  
>Vectra RS/25 when I acquired it. However, after I choose this scanner and hit  
>the continue button, my Vectra goes totally catatonic. Nothing happens, the  
>keyboard is ineffectual, and only a power cycle will bring the system back.  
>The RS/25 is using MS-DOS 5.0 and Windows 3.0, has 10 Mbytes of RAM installed,  
>has over 60 Mbytes of available disk space (ESDI interface), and a D2382A SVGA  
>video interface. The ScanJet Plus is connected to a 88290B interface card.

> Does anyone have any hints as to what might be the problem?

I work in the lab that does the DeskScan software, although I did not work on that project. I also use a ScanJet Plus with the DeskScan II software on an RS/25c at home.

Hints? Boy I'm not sure, as I haven't seen what you are describing. Setup shouldn't care about the scanner during it's process, other than to place the correct drivers on the hard disk. (and configure CONFIG.SYS, AUTOEXEC.BAT and SYSTEM.INI)

Well you might check the switch settings on the card and compare that to the manual to find out what part of memory to exclude in any memory manager line that would be in CONFIG.SYS.

Do you use some other windows program shell instead of Progman that ships with windows, such as Norton Desktop? Those have been reported as not working with Setup.

If the problem is just setup, then I can tell you what Setup does, and you can do it manually. It isn't all that much. (mostly placing a few files in some directories, modifying the above mentioned files, creates a program manager group, etc.)

If none of this helps, send me a copy of your config.sys, autoexec.bat, and system.ini files. (system.ini is found in your windows directory.) I'll start there.

Jerry Donovan  
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I have a 486/33U PC,  
it has an EISA bus.

I have this in my config.sys: DEVICEHIGH =C:\DESKSCAN\SJDRIVER.SYS

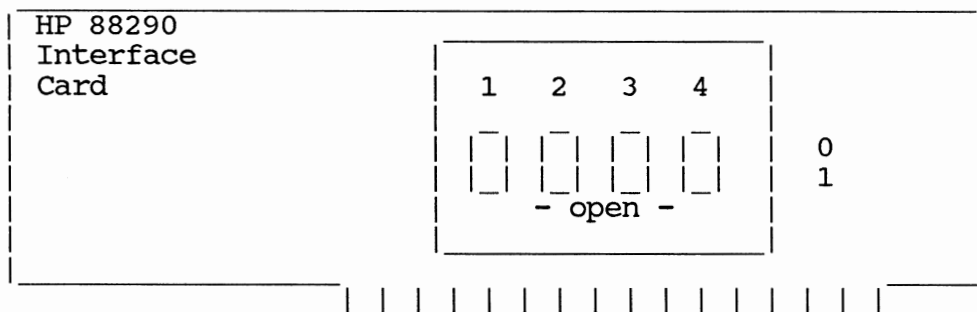
The deskscan read.me file calls for this line in the config.sys:  
DEVICE=C:\DOS\EMM386.SYS X=CC00-CFFF

I have this line in the config.sys:  
DEVICE=C:\DOS\EMM386.EXE X=C800-CBFF NOEMS  
(for my deskscan, windows and LAN bootup, non-infonet use)  
or  
DEVICE=C:\DOS\EMM386.EXE X=C800-CBFF NOEMS  
(for my non-LAN pure scanjet bootup)

All I know is that it works, the memory use may not be the best.  
I have not tried to polish the configuration.

### Process to set up the ScanJet Plus

- 1) Look at the PC when it boots. The SJDRIVE.SYS will echo where it will sit in memory (the command msd in dos6 will let you see the memory blocks). No other TSR can try to sit on the same memory as the SJDRIVER.SYS (LAN drivers might try).
- 2) The program SJSWITCH.EXE (dos) will give you this information. It will suggest switch settings for the card. The manual that I have was not that specific about the card. The 486/33U EISA configuration must match the switch settings. The EISA is configured with CF.EXE (dos PC setup stuff for EISA).



To set a switch to 0, push the switch towards the numbers (1-4).  
To set a switch to 1, push the switch towards the - open - .

The following screen will show all switch settings which could provide a successful installation. The first switch setting will usually provide a successful installation; however, if this setting doesn't work then try the alternate settings listed.

Switch number	1	2	3	4	ROM Address	I/O Address
Recommended switch setting	0	0	1	0	C8000-CBFFF	278-27F <i>Handwritten: 278-27F</i>
Alternate switch setting	0	0	1	1	D8000-DBFFF	278-27F

- 3) The program SCANTEST.EXE (windows) will test the ScanJet, if it works the Scanjet Plus will work.
- 4) The program DESKSCAN.EXE (windows) is the scan program. This did not work at first. There is a bug in the installation that removes text from the DESKSCAN.INI (windows) file. DESKSCAN.EXE will not run with the file that ends up in the deskscan directory. When you uncompress the DESKSCAN archive from freebb save a copy of the DESKSCAN.INI file, then put in in the DESKSCAN directory after the installation.

- 5) I have not been concerned with having the scanjet run with other dos and window applications. My trick is to use the dos 6.0 multiple configuration in my bootup files. (LAN configuration process will change the boot files). Try this after everything works.
- 6) Save those old configuration files.
- 7) Setup without any LAN drivers first. This will spare enough memory for MSD.EXE and SJSWITCH.EXE to run (tools).

The "X" in "EMM386.EXE X=C800-CBFF" means exclude, this prevents EMM386.EXE from bumping the scanjet driver.

The "C800-CBFF" should reflect the echo message from the SJDRIVER.SYS driver at bootup time.

NOTE: This is a ROUGH draft, I hope it helps.

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