**d i g i t a l**

# Digital HiNote™ VP 500 Series

## User's Guide Addendum

*Part Number ER-PB1WF-AA. B01*

## Introduction

This addendum supersedes material covered in the Digital HiNote VP 500 Series User's Guide supplied with your notebook. This addendum is divided into the following sections:

- **General Topics**
  - Digital Windows Enterprise Computing Center Web Site
  - Making Operating System and Application Disk Sets
  - The BIOS Setup Program
  - Suspend Hot Key Combination
  - Un-installing LIveLINK
  - Changing the Mouse Driver
  - An External Monitor and the Lid Suspend Switch
  - Re-installing the ACCENT Word Processor
  - Port Replicator Audio-out Port
  - Externally Connecting the FDD Module
  - Enabling CD-ROM and Touchpad for DOS Real Mode (Win 95 only)

- **Re-installing Win95**
  - Initializing your CD-ROM
  - LapLink 6.0B
  - Re-installing Infrared Drivers
  - PCMCIA to PCI Bridge Support

- **Re-installing Windows for WorkGroups 3.11**
  - SystemSoft Real Mode Card and Socket Services
  - Installing Port Replicator NIC Drivers
  - Printing through Port Replicator (with NIC) Parallel Port
  - Advanced Power Management for Windows for WorkGroups
  - Real Mode Network Drivers
  - Notes on Installing PC Cards
  - Config.sys and Autoexec.bat file within Windows for WorkGroups
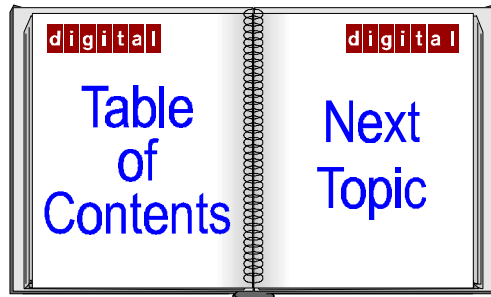
# General Topics

This section provides general information on system backup procedures, important updated BIOS information and how to restore system software.

## Digital Windows Enterprise Computing Center Web Site

Please visit the Digital Windows Enterprise Computing Center Web site to download the latest HiNote VP 500 Series operating system drivers and On-line system and expansion User Guide Information.  To navigate to the Drivers/ User Guide Information location:
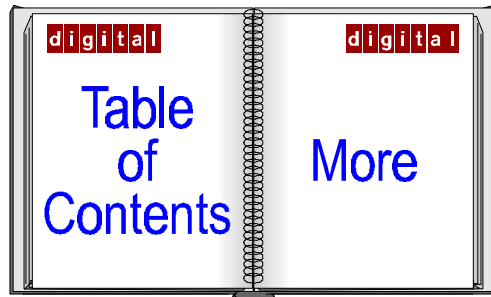
1.  Type in the Web site address:  http//www.windows.digital.com/

2.  Click on the [Service and Support] hot spot.

3.  Scroll down to the Firmware and Drivers bullet and change [Select Library] to Intel-based systems.  Click on the [Go] button.

4.  Scroll to the HiNote Portables Table of Contents and click on HiNote VP 500 notebook.

5.  Click on the desired Driver or User Guide Information to download the data to your hard drive.  The HiNote VP 500 Series User Guide Information can be browsed without downloading the data to your hard drive by using your system's Adobe Acrobat Reader.

## Making Operating System and Application Disk Sets

After becoming familiar with your HiNote VP 500 Series notebook, Digital highly recommends that you make disk sets of your operating system and software applications.

Regardless of which applications you choose to make disk sets of, Digital recommends that you make a copy of the Digital HiNote Series Utility. You may need this in the future.  Only one disk is required.

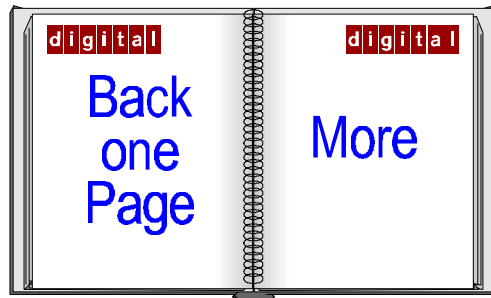### Making Operating System Disks in Win95

To make operating system Disk Sets from within the Win95 Operating System, please refer to the following:

1. Click on the [Start] button located in the bottom left of the notebook's screen.

2. Move the mouse pointer to Programs, then to Accessories and then to System Tools.

3. Click on Create System Disk.

4. Dialogue boxes will lead you through the remaining Create System Disk procedure.

### Making Operating System Disks in Windows for Workgroups

To make operating system disk sets from within the Windows for WorkGroups Operating System, please refer to the following:

1. Open the Accessories folder located in Program Manager.

2. Open System Tools and click on Create System Disk.

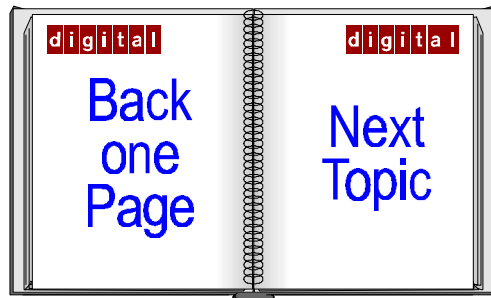3. Dialogue boxes will lead you through the remaining Create System Disk procedure.

**Making Applications Disk Sets in Win 95**

1.  Click on the [Start] button located in the bottom left of the notebook's screen.

2.  Move the mouse pointer to Programs, then to the Digital Folder and click on Create Application Disks.

3.  Follow the instructions within the dialogue boxes to make your disk sets.

**Making Applications Disk Sets in Windows for WorkGroups**

1.  Open the Digital folder from within the Program Manager.

2.  Select Create Application Disks.

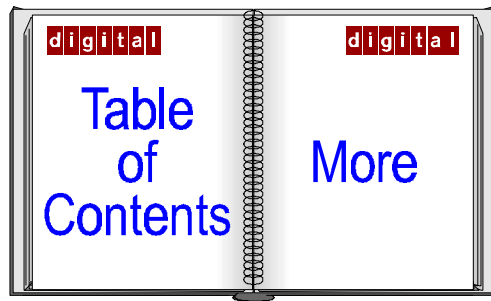3.  Follow the instructions within the dialogue boxes to make your disk sets.

## The BIOS Setup Program

### Main Menu

In the Main Menu of the BIOS Setup Program, the possible settings for the Diskette A field are as follows:

- 1.44 MB, 3½"  (default)
- 2.88 MB, 3½"
- 360 KB, 5¼"
- 1.2 MB, 5¼"
- 720 KB, 3½"
- Not installed
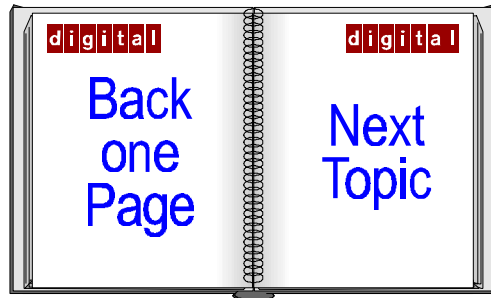- 1.20 MB, 3½" (Japanese systems only)

**Peripherals Menu**

Within the Peripherals Menu of the BIOS Setup Program, the default value for the Video mode is LCD Mode.
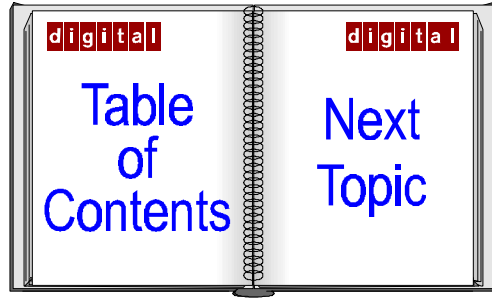
**Security Menu**

In order to enable Password on Resume, you must first enable Password on Boot.

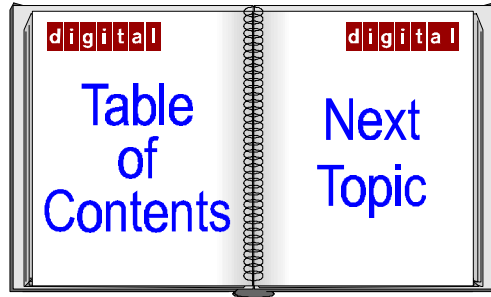For additional BIOS information, please refer to Chapter 3 of your User's Guide.

## Suspend Hot Key Combination

Use the [fn+F3] hot key combination to place the system into Suspend to Disk.

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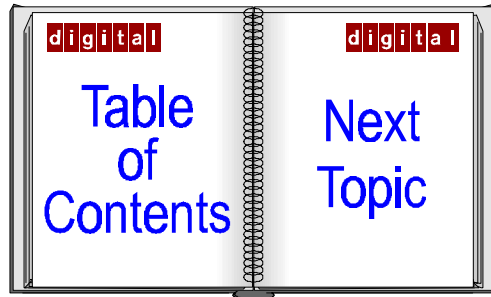
## Un-installingLIveLINK

During the un-install process of the LIveLINK application, you will be asked if you wish to delete files MFC30D.DLL, MFCO30D.DLL and MSVCRT40.DLL .  DO NOT delete these files.  Click on the [NO] button. These files may be required by other applications.

## Changing the Mouse Driver

Under normal daily operating conditions, there is no need to change the mouse driver.  However, if you wish to change or re-select the mouse synaptic touchpad driver, Digital recommends the following procedure.
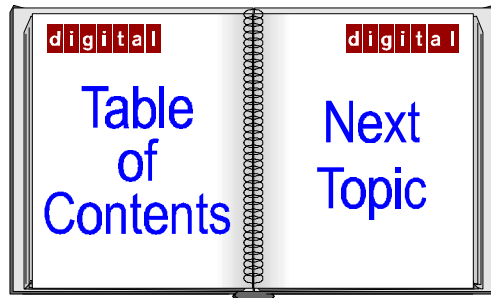
1. From within Control Panel, click on the Mouse icon.

2. Choose General, then click on the Change button.  Select the desired driver and click on the [OK] button.

## An External Monitor and the Lid Suspend Switch

Your HiNote VP 500 Series notebook is equipped with a suspend lid switch.  This feature allows you to quickly and conveniently enter the system into suspend mode by simply closing the notebook's lid.
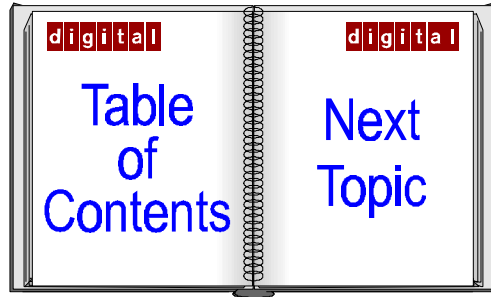
When using an externally connected monitor, the notebook's lid needs to remain open.  Closing the lid will activate the suspend feature.

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## Re-installing the ACCENT Word Processor

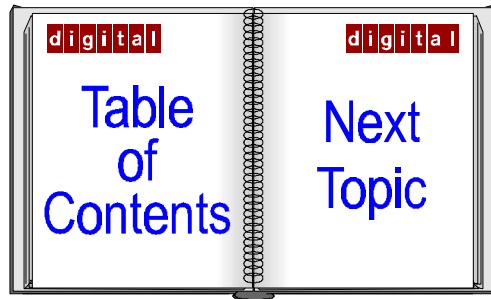(For UK and European models only)

When reinstalling the ACCENT Word Processor on your HiNote VP 500 Series notebook, you will be prompted for a serial number.  Use the serial number  00000 00000 00000.

## Port Replicator Audio-out Port

The Port Replicator is equipped with an audio-out port designed for external speaker use.  The audio-out port's built-in high performance amplifier enables you to use non-amplified speakers.  Connect amplified speakers to this port to obtain additional audio power.

Using headphones with any type of high performance amplified audio-out port can damage your ears.  If you wish to use headphones, use the audio-out port on your HiNote VP 500 Series notebook.
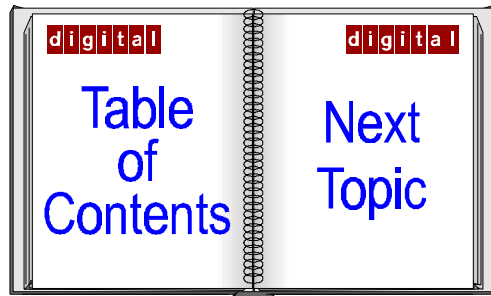
## Externally Connecting the FDD Module

The innovative architectural design of your HiNote VP 500 Series notebook allows you to simultaneously use the FDD and CD-ROM module or FDD and the Secondary Battery module.

With the CD-ROM or Secondary Battery module inserted into the notebook's expansion bay, the FDD module can be externally connected to the notebook's parallel port by way of the FDD External Cable.  Please refer to Chapter 4 of your User's Guide for instructions on how to connect peripheral devices to the notebook.

The FDD External Cable device is designed for the HiNote VP 500 Series notebook's parallel port.  It will not function properly if attached to the Port Replicator parallel port.
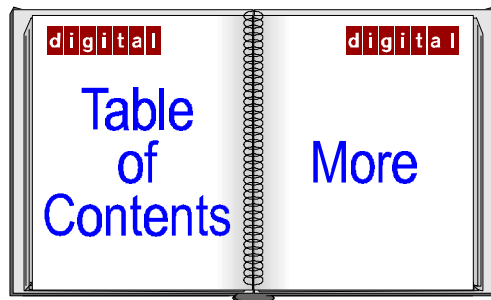
The externally connected FDD supports all the functionalities of an internally connected floppy drive.  You can read, write, copy and move files as well as being able to boot from floppy.  The FDD External Cable (part number FR-PCP9H-BK) is an optional piece of equipment which can be purchased through your authorized Digital notebook dealer.
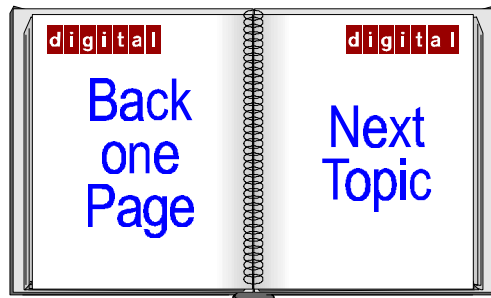
## Enabling CD-ROM and TouchPad for DOS Real Mode (Win95 only)

When entering DOS Real mode for the first time, the CD-ROM and touchpad will not function.  In order to use the CD-ROM and touchpad from within DOS, you must remove the REM from the relevant command lines in the AUTOEXEC.BAT and CONFIG.SYS files.  This process only needs to be done once.  Please refer to the following for detailed instructions.

1. If you are not completely confident that you possess the skills to edit the CONFIG.SYS and AUTOEXEC.BAT files, please consult Digital technical support.

2. In order for the edits to the CONFIG.SYS and AUTOEXEC.BAT to take effect, you will need to power down, then turn on the system.

3. Before beginning this procedure, save any open data files and close all open applications.  Any unsaved data will be lost upon system reboot.

4. At the C:\ Windows> prompt type:
   EDIT \CONFIG.SYS

5. Remove the REM from line:
REM DEVICE=C:\TSY\TSYCDROM.SYS /D:TSYCD1
The command line should now read:
DEVICE=C:\TSY\TSYCDROM.SYS /D:TSYCD1

6. Save changes and exit.

7. Return to the C:\ Windows prompt and type:
EDIT \AUTOEXEC.BAT

8. Remove the REM from the following lines:
REM C:\ WINDOWS\COMMAND\MSCDEX.EXE /D:TSYCD1
REM C:\ SYNTOUCH\SYNTOUCH
These two lines should now read
C:\ WINDOWS\COMMAND\MSCDEX.EXE /D:TSYCD1
C:\ SYNTOUCH\SYNTOUCH

9. Save changes and exit.

10. After exiting the AUTOEXEC.BAT file, turn off the system and install your CD-ROM module into the expansion bay.  You will now be able to use your CD-ROM in DOS mode.
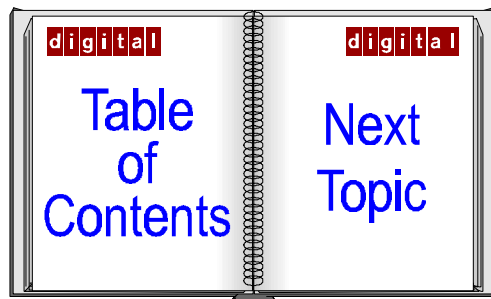
# Re-installing Win95

This section covers issues which you may encounter after re-installing Win95 from the Create System Disks or commercial diskettes.
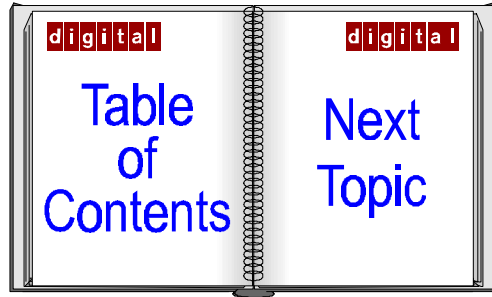
## Initializing Your CD-ROM

To ensure that your CD-ROM is properly initialized to the Win95 operating system, please perform the following:

1. Left click on the [Start] button at the bottom left of your Win95 screen.

2. Move the mouse pointer to Settings and select Control Panel. Then double click on System.

3. Click on the [Performance] tab. Click on [File System], located in the Advanced Settings at the bottom of the dialogue box.

4. Click on the [CD-ROM] tab.

5. Scroll through the [Optimize access pattern for] box until [Quad speed or higher] is highlighted.

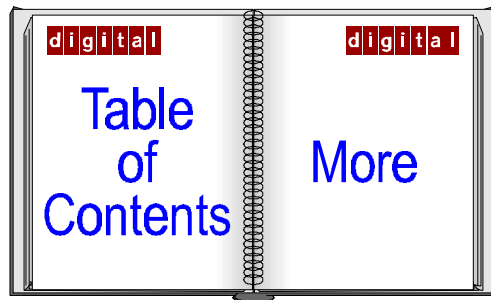6. Click on the [OK] button and then on the [Apply] button.

## LapLink 6.0B

It is not required that you enter the serial number when re-installing LapLink from the Digital Create Application Disks.  If you are prompted for a serial number, simply press the enter key.  LapLink will continue with its re-installation.
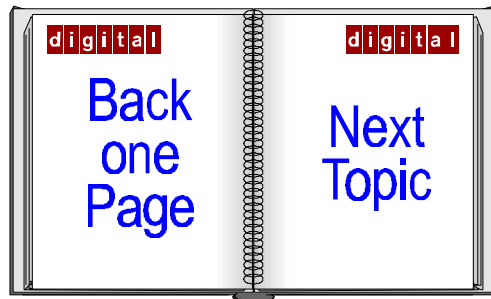
## Re-installing Infrared Drivers

You will need to re-install the Infrared drivers after installing Win95 from your Create System Disks. Please refer to the following instructions:

1. Click on the [Start] button at the bottom left of your Win95 screen.

2. Move the mouse pointer to Settings and click on Control Panel.

3. Double click on the Add New Hardware icon. Click on the [Next] button.

4. You will be asked if you want Win95 to search for your new hardware. Click on the [No] button and then click on the [Next] button.

5. From the Device list, choose Infrared. Click on the [Next] button.

6. When the next dialogue box appears, click on the [Next] button again.

7. Under the left column labeled Manufacturers, ensure that "Standard Infrared Devices" is highlighted. Then click on the [Next] button.
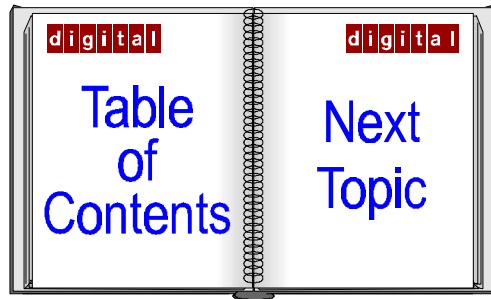
8. You will then be asked which COM port you would like the device to be installed on.  Click on Communications Port 2 (COM2).  Then click on the [Next] button.

9. When the next dialogue box appears, click on the [Next] button again.

10. You will be notified when the hardware has been successfully installed.  Then click on the [Finish] button.

11. The default setting for the Infrared Port is disabled.  Enter the BIOS Setup Program to enable the port.  Please refer to Chapter 3 of your User's Guide for detailed instructions.

## PCMCIA to PCI Bridge Support

For PCMCIA to PCI bridge support when reinstalling the Win95 operating system from the Create System Disks, or commercial diskettes, follow the directions in the README.TXT file on the Digital HiNote VP 500 Series Utility Disk.

Please refer to the section in this addendum labeled General Topics, Making Operating System and Application Disk Sets for instructions on how to make the Digital HiNote VP 500 Series Utility Disk.

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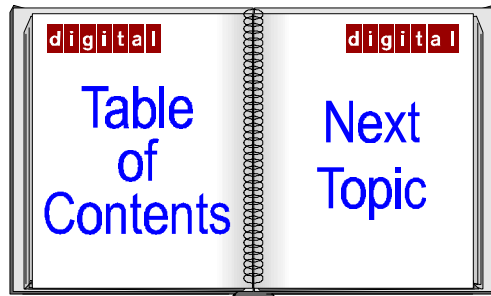
# Re-installing Windows for WorkGroups

This section details solutions to issues specific to the Windows for WorkGroups operating system.

## SystemSoft Card and Socket Services

In order to properly initialize any changes, System Card and Socket Services requires that the system be cold booted.  If you only perform a soft boot (Ctrl+Alt+Del), the system will not recognize any new changes and read only the previous values which have been retained in memory.
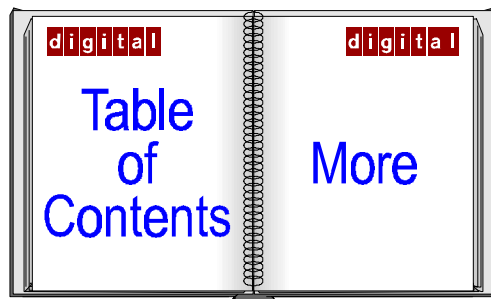
_____ **Important** _____

**Digital has customized the CardSoft and Socket Services application, located on your hard drive, specifically for the HiNote VP 500 Series notebooks.  Use only the SystemSoft Card and Socket Services which came with your notebook.  Do not install any other versions, older or newer.**
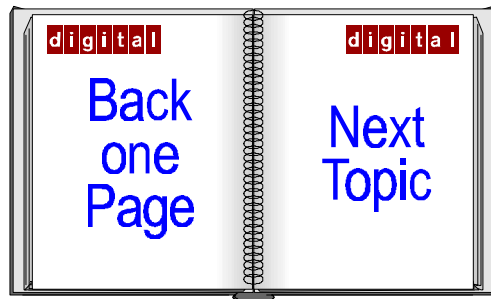
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## Installing Port Replicator NIC Drivers

To install NIC Drivers on your HiNote VP 500 Series Port Replicator, please refer to the following.

1.  Ensure that you have the copy of Windows for WorkGroups disks which you made from the Create System Disks. If you have not yet done this, refer to the section in this addendum labeled Making Operating System and Application Disk Sets. You will need selected disks for this procedure.

2.  In order to complete the driver installation process you will need to reboot the system. Before beginning the driver installation process, save all open data files and close open applications. Any unsaved data will be lost upon system reboot.

3.  From Program Manager, open the Digital folder and click on the Digital HiNote Port Replicator Driver Setup.

4.  Click on the [Continue] button and then click on the [OK] button.

5.  Click on [Networks…,] and then click on [Install MS Network]. Click on the [OK] button.

6.  Click on [Sharing], and then click on "I want to be able to give others access…" Then click on the [OK] button.

7. Click on [Drivers], then on [Add Adapter], and then click on "Digital Integrated Ethernet Controller NDIS 3.0" Click on the [OK] button.

8. Click on the [Close] button, then on the [OK] button.

9. Enter the User name, Workgroup, and Computer name. Then click on the [OK] button.

10. You will be prompted to insert selected Windows for WorkGroups diskettes. You will also be prompted to insert the diskette containing BOXNDIS3.386. Specify the path as: C:\DIGITAL\DRIVERS\NETWORK\WFW

11. Click on the [OK] button and then click on it a second time.

12. Click on the [OK] button to modify AUTOEXEC.BAT and SYSTEM.INI Then click on the [Restart Computer] button.
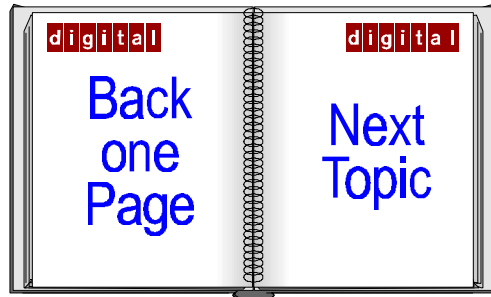
## Printing through Port Replicator (with NIC) Parallel Port

If you connect the Epson P880A printer to Port Replicator's (with NIC) parallel port, you may experience print errors, such as missing blocks of text or graphics.  The print errors will occur regardless of which of the two Network Drivers (NDIS2 or NDIS3) you are using.

### Using The NDIS2 Network Driver

If at the completion of a print job executed through the Port Replicator's (with NIC) parallel port, you then enter DOS mode, some printers will cause a system lock at the DOS prompt.  Printers which are known to cause this obstacle are:   Epson P880A
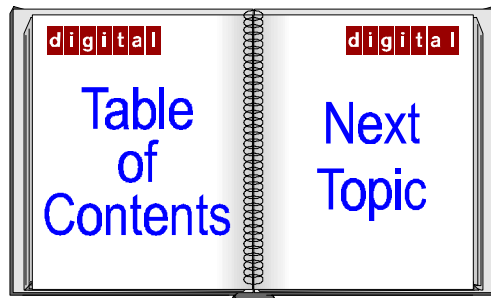Okidata OkiJet 2010
Canon BJC610
HP 660C

## Advanced Power Management for Windows for WorkGroups

Advanced Power Management (APM) for Windows for WorkGroups requires that the following line be installed in the CONFIG.SYS file.

INSTALL=C:\CARDWIZ\CS_APM.EXE

The command line should be installed after CARDID.EXE and prior to IFSHLP.SYS.  If the CS_APM.EXE command line is not installed in CONFIG.SYS file, the system will not detect the presence of PC Cards when resuming from Save to Disk mode.
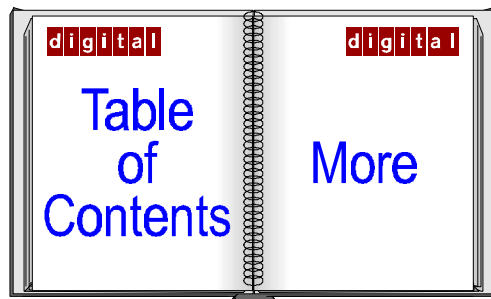
To edit the CONFIG.SYS you will need to first enter DOS.  From the C:\Windows> prompt, type  EDIT\CONFIG.SYS
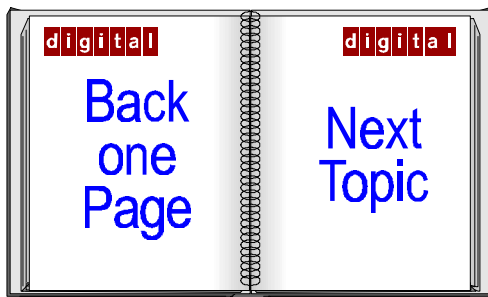
## Real Mode Network Drivers

In order to ensure that the system properly configures Real Mode Network Interface Card (NIC) drivers, Digital recommends that you refer to the following procedure:

1. Install the NIC driver as described in its documentation.

2. The system will ask what parameters should be assigned to Interrupt, Base I/O Port and Base Memory Address. Use the following:    Interrupt = 11
              Base I/O Port = 340
              Base Memory Address = D4000

3. A dialogue box will appear stating that the selected Interrupt is currently in use. Ignore the message and choose NOT to change the selected value.
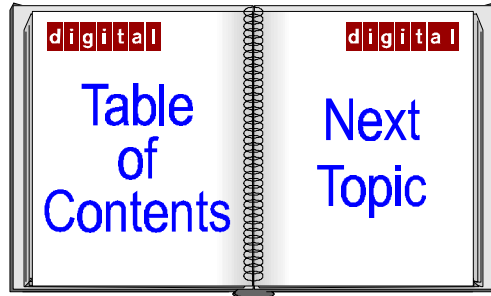
4. After completing the installation, you will need to type a command line in the AUTOEXEC.BAT file that will invoke the OFFIRQAB.COM utility. The OFFIRQAB.COM utility frees IRQ 10 and 11 for general uses. The OFFIRQAB.COM utility is located on your hard drive in the Digital folder.

5. Enter the AUTOEXEC.BAT file by typing the following command line at the C:\Windows>prompt:
   EDIT \AUTOEXEC.BAT

6. Type in:
   C:\DIGITAL\OFFIRQAB.COM
   Make sure this is always the first command line in the AUTOEXEC.BAT file.
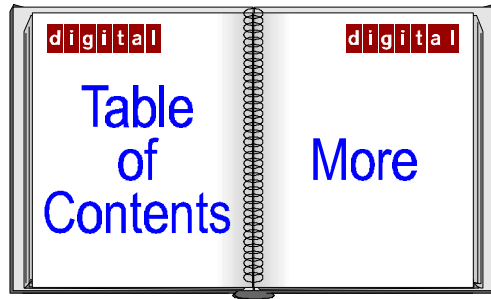
## Notes on Installing PC Cards

To avoid conflicts, when installing any device requiring a Base I/O Port, always use a value starting at 340 or above.  Your HiNote VP 500 Series notebook's sound card uses IRQ 5 and Base I/O Port 220, 240 and 300.
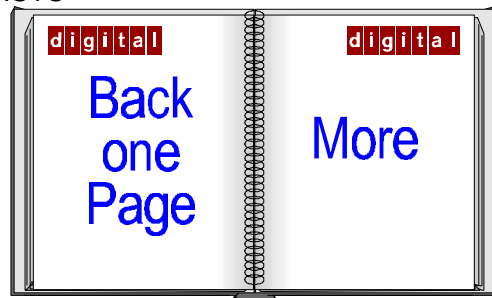
## Config.sys andAutoexec.bat file in Windows for WorkGroups

If you have installed Windows for WorkGroups from the Operating System backup disk sets or from commercial disk sets, at the completion of the installation procedure, ensure that you Config.sys and Autoexec.bat files resemble the following.  There may be differences in the keyboard and display lines for non-English variations.

**CONFIG.SYS**

DEVICE=C:\DOS\HIMEM.SYS
DEVICE=C:\DOS\EMM386.EXE NOEMS X=D000-DFFF
DOS=HIGH,UMB
FILES=40
BUFFERS=10
LASTDRIVE=Z
STACKS=9,256
BREAK=ON
DEVICEHIGH=C:\DOS\POWER.EXE
DEVICE=C:\DOS\SETVER.EXE
SHELL=C:\COMMAND.COM C:\ /P /E:1024
REM SystemSoft CardSoft(TM) PCMCIA DRIVERS
DEVICEHIGH=C:\CARDWIZ\SSCIRRUS.EXE /SKT:2
DEVICEHIGH=C:\CARDWIZ\CS.EXE /POLL:1
DEVICE=C:\CARDWIZ\CSALLOC.EXE /S
DEVICEHIGH=C:\CARDWIZ\ATADRV.EXE /S:2
DEVICEHIGH=C:\CARDWIZ\MTSRAM.EXE
DEVICEHIGH=C:\CARDWIZ\MTDDRV.EXE
DEVICEHIGH=C:\CARDWIZ\CARDID.EXE
INSTALL=C:\CARDWIZ\CS_APM.EXE
DEVICE=C:\TSY\TSYCD1.SYS /D:TSYCD1
DEVICE=C:\WINDOWS\IFSHLP.SYS

**AUTOEXEC.BAT**

```
@ECHO OFF
C:\WINDOWS\ESSCFG.EXE /A:220 /I:5 /D:1 /B:300 /M:E
C:\WINDOWS\ESSVOL.EXE /V:8 /L:8 /W:8 /M:0 /C:8 /S:8 /A:8
C:\DIGITAL\OFFIRQAB.COM
C:\DOS\MSCDEX.EXE /D:TSYCD1
PROMPT $p$g
PATH C:\DOS
PATH %PATH%;C:\WINDOWS
set mouse=c:\SYNTOUCH
c:\SYNTOUCH\syntouch
DOSKEY
SET TEMP=C:\TEMP
C:\DOS\SMARTDRV.EXE /X 512 128
WIN
```