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# NEC PowerMate® ES 5250 Series Release Notes

The *PowerMate ES 5250 Series Release Notes* provide up-to-date information on installing the applications that come with your computer. These notes also provide additional valuable information about your computer that was not included in the printed user's guide or online NEC Help Center.

*Please read these notes in their entirety.*

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## ***Applications and Online Documentation***

The system comes with the operating system preloaded. Microsoft® Internet Explorer® 5.0 also comes preinstalled on systems with the Windows® 98 operating system. Install all other applications and online documentation from the NEC Application and Driver CD.

See the guidelines in the following sections to install applications, the NEC Help Center online documentation, and the Healthy Environment online brochure.

### ***Installing Applications in the Correct Order***

Follow these guidelines when you install applications and the NEC Help Center:

- For systems with the Windows 95 or Windows NT® operating system, install Microsoft Internet Explorer 5.0 or Internet Explorer 4.01 *first* and alone, *before* installing any other application from the NEC Application and Driver CD.

Internet Explorer 5.0 already comes preinstalled on systems with the Windows 98 operating system.

Both Internet Explorer 5.0 and Internet Explorer 4.01 versions come on the NEC Application and Driver CD.

The Internet Explorer 4.01 version includes Service Pack 1 (SP1) which takes time to initialize after setup. Be sure to wait for the initialization process to complete before you attempt to install LANDesk® Client Manager. Wait until all disk activity has stopped.

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### **CAUTION**

Installing LANDesk Client Manager before Internet Explorer 4.01 completes initialization causes a DMI start “failed to launch Intel LANDesk Client Manager” error.

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- Install LANDesk Client Manager alone and *before* installing the Cheyenne® Backup utility, NEC Configuration Change Notification, NEC Auto Backup utility, or NEC WebTelligent™ software.

NEC Configuration Change Notification, NEC Auto Backup utility, and NEC WebTelligent are NEC ToolTelligent™ software components.

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 **Note:** LANDesk Client Manager should be installed *before* any of the applications or utilities that function in conjunction with it. Install the Cheyenne Backup utility, the NEC Configuration Change Notification, NEC Auto Backup utility, and the NEC WebTelligent software *after* installing LANDesk Client Manager.

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- Do not install both the NEC SNMP Agent and LANDesk Client Manager on the same computer. The two applications are incompatible. If both NEC SNMP Agent and LANDesk Client Manager are installed, it is not possible to remove either application. To remove them, a full restore must be performed after which all applications must be reinstalled.



## CAUTION

Do not install both the NEC SNMP Agent and LANDesk Client Manager on the same computer.

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- The installation and operation of the NEC Help Center requires the installation of Microsoft Internet Explorer 4.01 or 5.0.

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 **Note:** If you attempt to install the NEC Help Center without either version of Internet Explorer on your system, the Help Center setup program prompts you to install Internet Explorer 4.01. The NEC Help Center is designed to work with Internet Explorer version 4.01 **or higher**.

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See “NEC Application and Driver CD” in Chapter 3 of the *PowerMate ES 5250 Series User’s Guide* for detailed information about installing applications from the Application and Driver CD.

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## Installing NEC SNMP Agent

See the previous section “Installing Applications in the Correct Order” and “NEC SNMP Agent” in Chapter 4 of the *PowerMate ES 5250 Series User’s Guide* for detailed installation information.



Do not install both the NEC SNMP Agent and LANDesk Client Manager on the same computer.

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## Uninstalling the NEC SNMP Agent or LANDesk Client Manager

LANDesk Client Manager and the NEC SNMP Agent are not fully compatible when both are installed on the same computer. See the following sections for information about uninstalling these applications.

### *When Both NEC SNMP Agent and LANDesk Client Manager Are Installed*

If both applications are installed, LANDesk Client Manager does not function correctly and cannot display ASIC-related tabs for temperature, fan, voltage, and chassis intrusion status.

In addition, each time the computer is restarted, a Service Control Manager window displays an error message and prompts the user to press **Enter**.

If LANDesk Client Manager and the NEC SNMP Agent have both been installed, it is not possible to remove either application using the uninstall utility. If you attempt to remove one of the applications, you must perform a full operating system restore using the NEC OS Restore CD.

After the full restore, reinstall all appropriate applications from the NEC Application and Driver CD. Do not reinstall *both* LANDesk Client Manager and the NEC SNMP Agent.

### *When LANDesk Client Manager Is Installed Without the NEC SNMP Agent*

You can use the uninstall utility to remove LANDesk Client Manager if the NEC SNMP Agent has not been installed on the system. When you uninstall LANDesk Client Manager, do not interrupt the uninstall process or power off the system. The uninstall utility displays a message box indicating that the uninstall process takes 10 minutes or longer to completely remove LANDesk Client Manager.

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 **Note:** NEC Management Tools, such as the NEC Configuration Change Notification and NEC Auto Backup, require the installation of LANDesk Client Manager. If you remove LANDesk Client Manager, also remove the NEC Management Tools to prevent error message reports.

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If you interrupt the uninstall process or power off the system, you cannot use the uninstall utility to remove the LANDesk application. You must then use the NEC OS Restore CD to perform a full operating system restore. After the full restore, you must reinstall all appropriate applications from the NEC Application and Driver CD.

### ***Installing Cheyenne Backup***

After installing the Cheyenne<sup>®</sup> Backup utility on the system and rebooting the system, an “Unable to connect to Group” error message might be displayed. This message indicates that a backup tape unit is not installed. Installing a tape unit or reconfiguring the Cheyenne Backup utility removes this message.

See “Using Cheyenne Backup” for issues related to using the utility in Windows 95.

### ***Installing PartitionMagic***

Install PartitionMagic<sup>™</sup> files from the NEC Application and Driver CD. Select the PartitionMagic software from the Applications tab in the Installation utility menu. The utility loads files from the NEC Application and Driver CD to **C:\Program Files\PowerQuest\PartitionMagic4**. You can find setup and documentation files in the following folders:

- Btmagic
- Diskette
- Setup
- Userinfo.

If the PartitionMagic setup program asks you for a serial number, enter the following number:

**PM400ENOEMCD-673785**

See the documentation in the Userinfo folder for information about using PartitionMagic, BootMagic<sup>™</sup>, and the recovery diskette program. Reading the Userinfo files requires the Adobe<sup>®</sup> Acrobat Reader. The Adobe Acrobat Reader comes on the NEC Application and Driver CD. Select the Adobe software from the Applications tab in the Installation utility menu.

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 **Note:** If you are installing BootMagic in a system with the Windows NT operating system, see “Installing BootMagic in a System with Windows NT” at the end of this document.

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## ***Installing Internet Explorer 4.01 Add-On Components***

Choosing the Installing Internet Explorer 4.01 Add-On Components option on the NEC Application and Driver CD results in a file opening error message. Due to the space these components require, the component files are not included on the CD. NEC CSD recommends that you run Internet Explorer 4.01, click the Help menu, and select Product Update. This procedure takes you to the Microsoft Internet Explorer 4.01 website where you can install these components.

## ***Using the LS-120 SuperDisk Copy Utility***

Using the LS-120 SuperDisk™ Copy utility on 1.44-MB or 120-MB media intermittently causes system lockups and diskette eject failures. This condition only occurs when you use the SuperDisk Copy utility supplied with the SuperDisk Tools diskette shipped with the system.

To safely copy a 1.44-MB diskette, NEC CSD recommends using the standard Microsoft® Disk Copy program supplied with the Microsoft Windows® operating system. You can find the Microsoft Disk Copy program by double clicking **My Computer** and right clicking the **LS-120** icon. The context menu displays Copy Disk as one of the available items. Using this Copy Disk program allows the LS-120 SuperDisk drive to copy 1.44-MB diskettes without system lockups and allows the drive to eject the 1.44-MB diskette. However, this utility does not copy 120-MB media.

If you need to duplicate 120-MB media, you must use the SuperDisk Copy utility. To avoid data loss, make sure you save all data and close all applications before you attempt to copy 120-MB diskettes with the SuperDisk Copy utility. To recover from a diskette eject failure or a system lockup after completing the SuperDisk Copy, restart the system by pressing the power button to turn off the system. Then press the power button again to turn on system power.

Please call NEC CSD Technical Support services for the updated SuperDisk Copy utility.

## ***System Configuration***

See the following sections for system configuration information.

### ***Configuring the System for the NEC SNMP Agent***

TCP/IP must be enabled before you can use the NEC SNMP Agent. See “Changing Network Settings” in this document to enable TCP/IP. See “Installing Applications in the Correct Order” in this document and “NEC SNMP Agent” in Chapter 4 of the *PowerMate ES 5250 Series User’s Guide* for installation information.

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## Configuring the System for NEC WebTelligent

TCP/IP must be enabled before you can use NEC WebTelligent. See “Changing Network Settings” in this document to enable TCP/IP. See “NEC WebTelligent” in Chapter 4 of the *PowerMate ES 5250 Series User’s Guide* for detailed installation information.

## Configuring the System for Microsoft Internet Explorer

TCP/IP must be enabled before you can use Microsoft Internet Explorer 4.01 or higher. See the next section, “Changing Network Settings,” to enable TCP/IP. Install Internet Explorer version 4.01 or 5.0 from the NEC Application and Driver CD.

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 **Note:** Internet Explorer 5.0 comes preinstalled on systems with the Windows 98 operating system.

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## Changing Network Settings

All systems are configured with the NetBEUI and NWLink protocols enabled. However, before you connect a system to your network you might need to:

- enable a different network protocol
- disable unneeded protocols for enhanced system performance
- add or change network, domain, and gateway information.

The following procedure describes how to disable the NetBEUI and NWLink protocols, enable TCP/IP, and provide network, domain, and gateway information. (If a different protocol is enabled, the menu choices might differ from those described in the procedure.)

For information about installing TCP/IP on a system with Windows NT 4.0, see “Installing TCP/IP Protocol” in this document.

1. From the Windows desktop, click **Start** on the taskbar, point to **Settings**, and click **Control Panel**.
2. Double click the **Network** icon in the Control Panel window.
3. Click the **Configuration** tab. In the Configuration display, the following protocols are loaded:
  - NetBEUI Protocol
  - NWLink IPXSPX-Compatible Transport
  - NWLink NetBIOS
4. Highlight **NWLink IPXSPX-Compatible Transport** and click **Remove**. A warning window appears asking for confirmation to continue.
5. Click **Yes**. The NWLink IPXSPX-Compatible Transport and NWLink NetBIOS lines disappear from the Configuration display.

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6. Repeat steps 4 and 5 to remove the **NetBEUI** Protocol.
  7. In the Configuration tab display, click **Add**. Highlight **Protocol** and click **Add**.
  8. Highlight **Microsoft** and then **TCP/IP** and click **OK**. The TCP/IP Setup window appears. If there is a DHCP server on the network, click **Yes**; otherwise click **No**.
  9. Change the path in the window to **C:\I386**. Click **Continue**. The Network window appears. If Yes was clicked in step 8, skip to step 16. If No was clicked in step 8, the Windows Setup window appears.
  10. Click **Close**. The Microsoft TCP/IP Properties Box appears.
  11. Fill in the **IP Address**, the **Subnet Mask**, and the **Default Gateway** in the “Specify an IP address” area.
  12. Click the **DNS** tab and enter the host and domain name in the DNS display.
  13. Click the **Identification** tab and change the Computer Name if appropriate.
  14. Click the **WINS** tab and enter the WINS address if appropriate.
  15. Click the **Routing** tab and enable IP forwarding if appropriate.
  16. Click **OK**. When prompted to restart the system, click **Yes**.

## ***Checking Differences Between CMOS Setup Defaults and Shipped Settings***

The CMOS settings as shipped for your system might differ from the default settings. If the Setup Defaults are loaded, and depending upon your system configuration, it might be necessary to adjust certain CMOS settings to recreate the shipped BIOS settings.

You can find information about entering CMOS Setup in Chapter 3 of the *PowerMate ES 5250 Series User's Guide*. It is recommended that you write down the current settings before making any changes.

If the default settings are loaded, either manually or because of a dead CMOS battery, you might need to change some of the settings. Check the settings described in the following sections.

### ***From the Standard CMOS Setup Menu***

“Drive A” defaults to “1.44M, 3.5IN.” If the system is using the optional LS120 120-MB SuperDisk Drive, or the system is not using a diskette drive, set Drive A to “Disabled.”

### ***From the PNP/PCI Configuration Menu***

“PNP OS Installed” defaults to “Yes.” If the system is using the Windows NT operating system, change this setting to “No.”

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## *From the Integrated Peripherals Menu*

“Onboard Sound” defaults to “Enabled.” If the system is using the optional Creative Labs SB Live sound card, set this item to “Disabled.”

“Onboard LAN” defaults to “Enabled.” If the system is using the optional 3Com 3C905B-TX 10/100 Ethernet, set this item to “Disabled.”

“Onboard FDC Controller” defaults to “Enabled.” If the system is using the optional LS120 120-MB SuperDisk Drive, or the system is not using a diskette drive, set this item to “Disabled.”

## ***Identifying the Pentium III Processor***

NEC computer systems with the Intel® Pentium® III processor come equipped with the most advanced Intel Pentium processor available.

Because the new Pentium III processor was introduced after the release of Microsoft® Windows® 98, Windows 95, and Windows NT® operating systems, these operating systems are not able to correctly identify the processor. These operating systems might identify the Pentium III processor as a Pentium II or Pentium Pro processor.

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 **Note:** Intel LANdesk Client Manager software also does not recognize the new Pentium III processor and identifies it as a Pentium II processor.

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Windows identifies the processor on the General tab of the Windows System Properties sheet. You can get to System Properties in either of the following ways:

- Right click the My Computer icon on the Windows desktop and select **Properties** from the drop-down menu.
- Select **Settings** from the Windows Start menu, click **Control Panel**, double click the System icon.

Processor identification in Microsoft Windows and in Intel LANdesk Client Manager does not effect in any way the performance of your Pentium III processor. At bootup, the system BIOS detects the Pentium III processor.

You can obtain a patch to fix the Windows processor identification once Microsoft releases the patch. Check for the patch on the Microsoft website ([www.microsoft.com](http://www.microsoft.com)) or NEC CSD website ([www.nec-computers.com](http://www.nec-computers.com)).

Future versions of LANdesk Client Manager will correct the processor identification in LANdesk Client Manager.

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## ***Setting Boot Order in BIOS***

To use the CD-ROM drive as a boot device, the BIOS must list it before the hard drive and/or before the network. The system does not boot from a Zip<sup>®</sup> drive if it is listed as the first boot device.

## ***Getting CD-ROM Support in Command Prompt Only Mode***

CD-ROM support is not available when you select **F8** at the “Starting Windows 9x” prompt and select the **Command Prompt Only** option. To initiate CD-ROM support in the Command Prompt Only mode, run **DOSSTART.BAT** which is located in the C:\WINDOWS directory.

## ***SCSI Drive Limitations***

The following procedures and operating limitations apply to systems whose only hard drive is a SCSI device.

### ***Booting from a CD***

In systems with only a SCSI hard drive, it is not possible to boot from an IDE CD-ROM drive.

### ***Using the NEC OS Restore CD with a SCSI Drive***

If a situation arises in which a full operating system restore must be performed using the NEC OS Restore CD, first boot the system from the bootable diskette. (This might be necessary, for example, if the system does not boot from the hard drive.) The bootable diskette comes with all systems that have a SCSI hard drive. After the system boots, proceed with the NEC OS Restore procedure.

## ***Intel Processor Serial Number Control Utility***

The Intel<sup>®</sup> Processor Serial Number Control utility is a Windows<sup>®</sup> program that enables or disables the reading of the Pentium<sup>®</sup> III processor serial number by software. This function lets you control which software programs or websites have permission to read the processor serial number. When installed, the utility runs automatically each time the system powers on.

This utility places an icon in the Windows system tray. The icon provides a visual status of the processor serial number. You have the option of hiding the system tray icon. You can disable the processor serial number at any time. However, enabling the serial number requires restarting the system.

The following information describes:

- system requirements
- installation procedures
- processor serial number features

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- answers to frequently asked questions
  - Intel technical support.

## ***Identifying System Requirements***

The Intel Processor Serial Number Control utility requires:

- a Pentium III processor-based system
- Windows 95, Windows 98, or Windows NT<sup>®</sup> 4.0 (or later)
- 2 megabytes of hard drive space.

## ***Installing the Utility***

The Intel Processor Serial Number Control Utility (version 1.0) comes on the NEC Application and Driver CD. See your *PowerMate ES 5250 Series User's Guide* for information about using the NEC Application and Driver CD.

Run **setup.exe** from the directory where you unzip the file.

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 **Note:** Installing this utility on a system which does not contain a Pentium III processor generates an error message.

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## ***Looking at Serial Number Features***

The Intel processor serial number, a new feature of the Pentium III processor, is an identifier for the processor. The processor serial number is designed to be unique, and when used in conjunction with other identification methods, can be used to identify the system or user. This number can be used in a wide variety of applications which benefit from stronger forms of system and user identification.

The processor serial number is analogous to a conventional serial number, with these important differences:

- A software application can read the processor serial number.
- You can disable the reading of the serial number via utility programs such as this one, or via the BIOS, depending on the system configuration.

For additional information about the Pentium III processor and the processor serial number, please visit [www.intel.com/pentiumiii](http://www.intel.com/pentiumiii).

## ***Getting Answers to FAQs***

See the following answers to questions about the processor serial number.

### **What are the benefits of the processor serial number?**

You can use the processor serial number in applications which benefit from stronger forms of system and user identification.

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### **Why would I want to turn off my processor serial number?**

Intel believes the processor serial number can provide compelling benefits to users. They are developing features in conjunction with the processor serial number to allow responsible service providers to provide services which maintain your privacy. However, if you are concerned that a given application/service using your processor number might impact your privacy, you can turn off the processor serial number using the utility or the BIOS setting.

### **What is the default state of the processor serial number?**

The default state of the processor serial number is on, until the Processor Serial Number Control utility is installed. Once the Processor Serial Number Control utility is installed, it turns the processor serial number off by default. You can use the utility to turn on the processor serial number.

### **Can a website read my serial number without my knowledge?**

No, generally not. Websites cannot read serial numbers unless you allow them to download a program which can read the processor serial number. Almost all browsers are configured to warn users whenever they download executable software. Unless you disable the warning in the browser, you should receive a notification.

### **Does Intel track serial numbers?**

Generally not, other than related to the manufacturing process. Intel does not, in the absence of advance and express consent of a user, collect serial number data which is otherwise identified with a user.

### **Which programs and/or websites currently use the processor serial number?**

You can find a complete list of programs which can take advantage of the processor serial number and other new capabilities of the Pentium III processor at <http://www.intel.com/pentiumiii/utility.htm>.

### **How can I tell if my processor serial number is turned on?**

The control utility allows you to check the status by:

- Viewing the icon itself. The disabled icon shows a red circle with a white “x.”
- Clicking the task tray icon and selecting the “Status” menu item. Or you can select the menu from the tool tip shown when you position the mouse over the task tray icon.

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## ***Getting Intel Technical Support***

For world wide 7 days a week, 24 hours a day technical support, please visit the Intel support website at <http://support.intel.com>.

Email: [support@intel.com](mailto:support@intel.com).

In the United States, call **800-628-8686** from 5:00 a.m. to 5:00 p.m. Pacific Standard Time.

For world wide phone contacts, please see <http://support.intel.com/support/feedback.htm>.

## ***Windows 95 Issues***

The following material describes information specific to systems running the Microsoft® Windows 95® operating system.

### ***Controlling CD Audio***

CD audio volume is not controlled by the Windows 95 taskbar Volume Control. To control CD audio volume, access your CD player program. Move the volume slider bars up or down to increase or decrease CD audio volume.

### ***Using Cheyenne Backup***

The following notes describe conditions and procedures specific to systems with the Windows 95 operating system running Cheyenne Backup. See also “Installing Cheyenne Backup” earlier in this document.

#### ***Backing Up Large Drives***

When Cheyenne Backup is set to automatically back up a system drive greater than 2.1 GB to a network drive, multiple instances of the Copy program might be launched. The number of Copy programs launched depends upon the number of drive letters assigned to the hard drive. The first instances end with an indication that no data was transferred. The last instance completes the backup successfully.

#### ***Using Cheyenne Backup with LANDesk Client Manager***

Cheyenne Backup can occasionally report that a backup was incomplete. Cheyenne Backup does not back up files that are open, so it might report this condition if the backup was run while files are open, or because LANDesk® Client Manager itself is running.

When this happens, the report window displays buttons for options to back up files or utilities that are open. See your documentation on Cheyenne Backup for more information on these options.

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## *Using Cheyenne Backup with the Seagate Travan Tape Backup*

Currently, Cheyenne Backup does not work with the Seagate Travan drive in the Windows 95 environment. The Cheyenne Backup utility does support other backup drives, for example, diskette drives, Zip drives, and QIC drives.

## ***Clicking the Product Catalog Button***

When a computer running the Windows 95 operating system is first booted, a Welcome screen appears. If the **Product Catalog** button is clicked, the user is prompted to insert the Windows 95 CD. This CD is not included with the system. Click **Cancel** to clear the message.

## ***Restoring Software with a U.S. Robotics 56K V.90 Modem Installed***

If your system has a U.S. Robotics® 56K V.90 Modem installed and you restore the Windows 95 operating system, the system might display a message indicating it cannot load the Modem.inf file. If this message appears, follow the instructions in “Applications and Online Documentation” in this document. Select the US Robotics 56K Modem from the appropriate Operating System section of the NEC Application and Driver CD.

## ***Configuring the System for PIIX4 Support***

The following support limitations apply to PIIX4 (PCI ISA IDE Xcelerator).

### *Reconfiguring Ultra DMA Support*

The PCI IDE interface on the PowerMate ES 5250 Series system supports the latest ATA ULTRA DMA/33 interface. NEC CSD configured the system with the PIIX4 component released from Intel Corporation. However, standard versions of Windows® 95 released prior to the release of PIIX4 do not recognize the PIIX4 as capable of supporting ULTRA DMA/33.

Standard versions of Windows 95 require the addition of several information files (.INF files) for the support of PIIX4 features. NEC CSD already includes these .INF files in the preinstalled software that comes with your system. NEC CSD recommends that customers use the version of Windows 95 that is included with their system.

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 **Note:** NEC CSD recommends that customers use the version of Windows 95 that is included with their system because this version is already configured for Ultra DMA/33.

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When users install their own version of Windows 95, ULTRA DMA/33 does not function without the addition of these files. These .INF files can be added to a new install of Windows 95 by using the NEC OS Restore CD. This results in full ULTRA DMA/33 support. To add the files, run the OS Restore program in the Windows operating system. Select the option to install PIIX4 support.

### *Determining IDE Device Compatibility*

The new PIIX4 component contains a small change in the IDE interface. This change to lower voltage levels on one signal has no effect on most of the IDE hard drives on the market. A small number of older drives fail to function with this new setting.

## **Windows 98 Issues**

The following material describes information specific to systems running the Microsoft® Windows 98® operating system.

### ***Ejecting the NEC Application and Driver CD from a DVD-ROM Drive***

If your system has a Hitachi DVD-ROM drive (4X GD-2500) and you manually load applications or drivers from the NEC Application and Driver CD, a dialog box appears with the message “Reminder: Please remove CD-ROM.”

Pressing the eject button on the DVD-ROM drive displays another dialog box with the message: “Eject request to Drive in Use: An Eject request was received for a drive that is in use, continue with eject operation?”

Click **OK** to eject the CD from the DVD-ROM drive. The first dialog box is displayed. Click **OK** to complete the software loading operation.

### ***Finding Tape Device Icons***

Windows 98 displays tape device detection icons in Control Panel and Device Manager when no tape devices are installed in the system. This is normal for the chipset used on the PowerMate ES 5250 Series system board. The Windows 98 operating system indicates that support for a tape device is available.

### ***Installing CD-ROM MS-DOS Drivers on Systems with Windows 98 Second Edition***

CD-ROM MS-DOS® drivers are not installed on systems running the Windows® 98 Second Edition operating system as shipped from the factory.

Install the CD-ROM MS-DOS drivers from the NEC PowerMate ES 5250 Series Application and Driver CD using the following procedure:

1. Insert the Application and Driver CD into the CD-ROM drive. The Application and Driver CD dialog box appears.
2. Left click the **MISC** tab.

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3. Left click the **+** next to “CDROM Support in DOS” in the dialog box. Drop down choices appear.
  4. Highlight **Installation** with a left mouse click. Then click **Install** in the lower left corner of the dialog box. The installation program installs the driver.
  5. Click **exit**.
  6. Remove the CD from the CD-ROM drive. Reboot the system.

## **Windows NT Issues**

The following material describes information specific to systems running the Microsoft® Windows NT® operating system.

### **Installing TCP/IP Protocol**

Use the following procedure to correctly install TCP/IP in Windows NT 4.0 Workstation.

1. Right click the **Network Neighborhood** icon on the Windows desktop.
2. In the Network dialog box, left click the **Protocols** tab. Click **Add**.
3. Click **yes** or **no** in the TCP/IP Setup Dialog Box depending on whether or not you choose DHCP.

The Windows Setup dialog box appears, indicating Windows will look for files to copy in the location below, which is G:\I386, or that you can type in the location for Windows to look for it.

4. DO NOT choose G:\I386. Instead, TYPE **C:\I386** and click **continue**.
5. Continue with the TCP/IP installation in the normal way.

### **Restoring Network Card Drivers**

If you are running a system with the Windows NT operating system, use the following procedure to install either the **Intel® Pro 100** or **3Com® 3C905B-TX** drivers from the NEC Application and Driver CD.

1. Locate the entire directory for the network card you are installing in your system. Copy the entire directory to a local temporary directory.
2. In the Windows NT Control Panel, select **network** and click **adapters**.
3. Select **ADD** and click the **HaveDisk** button. A dialog box is displayed.
4. In the Path windows, type the name of the temporary directory for the network card files you copied. Click **OK**. Windows NT installs the driver files for the network card.

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## ***Installing BootMagic in a System with Windows NT***

BootMagic™ is a utility included in the PowerQuest PartitionMagic™ software. See “Installing PartitionMagic” earlier in this document for general installation information.

If you have a Windows NT operating system, use the information in the following section to correctly configure BootMagic.

If you already installed BootMagic and the configuration resulted in an error message, see “Correcting the BootMagic Configuration” later in this document.

### ***Configuring BootMagic***

If you have a system with the Windows NT operating system, use the following procedure to correctly configure BootMagic.

1. Follow the instructions in the PartitionMagic Userinfo folder to install BootMagic. When the “BootMagic Configuration” box appears at the end of the installation, continue to the next step.
2. Configure BootMagic.
  - If you want to use BootMagic:  
Click the **ENABLE BOOTMAGIC** button. The BootMagic menu appears during the next bootup sequence and lets you select Windows NT as the operating system.
  - If you do not want to use BootMagic:  
Do *not* select the **ENABLE BOOTMAGIC** button. The BootMagic menu does not appear at bootup.
3. Select **SAVE/EXIT** in the BootMagic Configuration box to complete the configuration process. Either choice, to enable BootMagic or to not enable BootMagic, requires the **SAVE/EXIT** selection.



### **CAUTION**

To correctly complete the BootMagic configuration, you must select **SAVE/EXIT** from the BootMagic Configuration box, even if you do not want to use BootMagic. Omitting this step results in an error message.

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## Correcting the BootMagic Configuration

If you installed BootMagic in a system with the Windows NT operating system and the installation resulted in an error message, use the following procedure to correct the configuration information.

1. In the Windows Start menu, select **Programs, PowerQuest BootMagic, and BootMagic Configuration**. The BootMagic Configuration box appears.  
  
Nothing should be listed under the MENU NAME heading in the center of the box.
2. Click **ADD**. The “Bootmagic Add OS” box appears. This is the only option listed and it is already highlighted.
3. Click **OK**. Click **OK** again. The main BootMagic Configuration screen appears with “Windows NT” listed under MENU NAME.
4. Check the BootMagic configuration.
  - If you want to use BootMagic:  
Click the **ENABLE BOOTMAGIC** button. The BootMagic menu appears during the next bootup sequence and lets you select Windows NT as the operating system.
  - If you do not want to use BootMagic:  
Do *not* select the **ENABLE BOOTMAGIC** button. The BootMagic menu does not appear at bootup.
5. Select **SAVE/EXIT** in the BootMagic Configuration box. Either choice, to enable BootMagic or to not enable BootMagic, requires the SAVE/EXIT selection.



### CAUTION

To correctly complete the BootMagic configuration, you must select **SAVE/EXIT** from the BootMagic Configuration box, even if you do not want to use BootMagic. Omitting this step results in an error message.

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