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This file contains the most up-to-date information on the following topics:

- Sources of Information about the HP notebook computer and Windows
- Precautions
- Swapping Batteries in Standby Mode
- Fixing Display Settings when Docking
- Using Wireless LAN
- Using HP Presentation Ready
- Playing DVD Movies
- Switching Displays
- Running in MS-DOS Mode

Windows 98

- Using the Floppy Drive with a USB Cable
- Swapping Plug-In Modules
- Using the Infrared Port
- Using an ATA-Type PC Card while Docked
- Docking and Undocking with a LAN Connection
- Using a Non-HP USB Floppy Drive

Windows 2000

- Running the Tour of Windows 2000
- Setting the Display after Docking
- Changing the Refresh Rate for an External Monitor
- Booting from a Network
- Reinstalling HP One-Touch

Windows XP

- Using an External Keyboard
- Using Wireless LAN Connections
- Using an Internet Proxy Server

Windows NT 4.0

- Wireless LAN and Infrared Not Supported
- Restoring Operation under Windows NT
- Setting Up the Internal LAN Adapter
- Using PC Cards
- Installing VirusScan and Card Executive
- Matching the Keyboard and Driver
- Using Media Player
- Using VirusScan without a Floppy Drive
- Installing Mediomatics DVD Player Software
- Dr. Watson Errors during Software Installation

Best Practices for Using Your HP Notebook Computer

- Physical Care
- General Use

Sources of Information

- * The printed *Startup Guide* introduces the notebook computer and shows you the basics. It also contains troubleshooting information.
- * The online *Reference Guide* shows how to set up the operating system, install and connect accessories, and maintain and upgrade the computer (Start, Programs, HP Library).
- * The Microsoft Windows manual, shipped with your computer, contains information about using the standard features of your Windows operating system.
- * For updates to the BIOS and other technical documentation, connect to our website at <http://www.hp.com/go/support>.

Precautions

This section describes certain situations that could cause serious loss of data.

Do not remove a data storage PC Card while it is actively reading or writing. This could cause its data to become corrupted.

Certain applications, such as Intuit's Quicken, keep their working files open, and they update the files as you make changes. For such applications, you should open only files that reside on the hard drive, not on a removable disk. An open file on a removable disk (such as a floppy disk or PC Card) is susceptible to corruption in certain situations.

Before suspending, docking, or undocking your computer, always save your data and close any applications you have open, especially applications that are not power aware, audio and video applications, and applications using PC Cards and I/O devices such as a CD-ROM drive.

Swapping Batteries in Standby Mode

Normally, you can swap the main battery while the computer is in Standby mode. An internal backup battery provides power during the time you're changing the battery. However, you should not swap the battery in Standby mode in certain situations:

Certain power settings can increase power use during Standby. If you have changed settings that increase Standby power use, you should shut down your computer or plug in the AC adapter before swapping batteries. Otherwise, unsaved data could be lost if power runs out.

For example, the built-in LAN adapter has a power setting in Windows 2000 that allows the LAN adapter to turn on the computer from Standby mode. This option increases Standby power use, so you should not swap the main battery in Standby mode.

Fixing Display Settings when Docking

When you dock the computer to an expansion base, Windows automatically recognizes the new devices connected to the system. However, the display settings may not change automatically to your docked configuration. You may notice this if you have an external monitor with different resolution than the built-in display. To switch to your docked display settings, press the blue sleep button to suspend, then again to resume. Or shut down and restart the computer.

Using Wireless LAN

Here are some suggestions about setting the wireless LAN configuration:

- * To set up an AdHoc connection between computers, all connecting computers should select one channel that is not the same as or adjacent to a channel used by a nearby access point, and use an SSID that is not used by a nearby access point.
- * To set up encryption, you may have to enter the encryption key manually. If you know the key or are creating the key, use the same key on all wireless products in the group.

If you know only the alphanumeric passphrase, run the key-conversion program to determine the correct encryption key to use. Click Start, Programs, HP Wireless LAN, Encryption Key Converter. If the passphrase was created for a Lucent/Agere-based wireless product, select that conversion option to find the correct key. For other wireless products, use the other conversion option to find the key. You should use that key for all products in the group. As an example, the HP F2135 and F2136 accessories are Lucent/Agere-based products.

- * When you connect to a wireless network via an access point, your computer should be able to use network resources. If, when you log on, your computer cannot connect to network resources, your computer may not have been assigned an IP address. To check your IP address, click Start, Run and type winipcfg (for Windows 98) or ipconfig (for Windows 2000). If the subnet mask for your wireless connection is 255.255.000.000, the network server did not assign an IP address to your computer, and you may have to release and renew your network IP address--see the readme file mentioned below. If this does not fix the problem, the access point may need to be rebooted.
- * If you want to change the SSID to a different value to connect to a different access point, or if you want to change from Infrastructure mode to AdHoc mode, you may first have to release and renew your network IP address--see the readme file mentioned below.

If you are using Windows XP, see the Windows XP section farther below for additional information about wireless LAN.

If you have trouble setting up or using a wireless LAN connection, see the information about wireless LAN in c:\hp\Drivers\Wireless\Readme.txt.

Using HP Presentation Ready

If you use HP Presentation Ready with an external monitor, you should check whether it is a Plug-and-Play device. If it is not Plug-and-Play, you should determine the video settings you intend to use, then go to Control Panel Display and set up a monitor that supports those video settings. Otherwise, the computer may not be able to activate the video settings you specify in Presentation Ready.

Playing DVD Movies

- * The DVD player must be set to the region code used by DVD movies in your region of the world in order to play movies. When you insert a DVD movie, the software detects the region code and asks you to set your code. If you make a mistake, you can change the code only four times--then it is permanently locked in the drive. Note: If you lock your DVD drive on a region code you do not want, the drive replacement is not covered under your warranty, and you will be responsible for replacement or repair charges.
- * When playing DVD movies on battery power, you should make sure your processor runs at optimum speed for movies. In Windows 98 or 2000, set the SpeedStep setting to Max Performance. In Windows XP, use Power Options in Control Panel to select the Portable/Laptop power scheme.

Switching Displays

You can press Fn+F5 to switch between built-in and external displays. However, you should avoid switching while graphic-intensive applications are running, such as OpenGL applications. In some situations, switching displays can cause video corruption or application shutdown.

Running in MS-DOS Mode

If you boot your computer into MS-DOS, power management features are not supported. You should disable power management in BIOS Setup to prevent the computer from suspending. If the computer suspends, it could be disrupted and you could lose data.

Windows 98

Using the Floppy Drive with a USB Cable

When you attach the floppy drive to the computer using a USB floppy cable, Windows 98 assigns a drive letter greater than drive C, such as drive D. If Windows shows drive A or B, you cannot use these drives to access the floppy drive. You must use drive D or other assigned letter to access the floppy drive attached with the USB cable. However, if you insert the floppy drive in an expansion base, you can use drive A to access the drive.

Swapping Plug-In Modules

In Windows 98, you should not remove or insert a plug-in module in the expansion base while the computer is in Standby mode. Standby mode is indicated by a blinking power-mode light. If you installed BayManager hot-swap software, you can click the taskbar icon and swap modules while the computer is turned on—but if you swap modules in Standby mode, the computer may stop responding in certain situations. You can also swap modules when the computer is shut down.

Using the Infrared Port

If you use the infrared port in Windows 98, you should follow these suggestions:

- * After enabling the infrared port in BIOS Setup, follow any additional setup instructions in `c:\hp\Drivers\Ir\Readme.txt`.
- * If you have problems sending or receiving data, see the notes about infrared use in `c:\hp\Drivers\Ir\Readme.txt`.
- * If you need to use the Recovery CD to reinstall the factory software on your hard disk, disable the infrared port in BIOS Setup. The system may not restart correctly if this port is enabled.

Using an ATA-Type PC Card while Docked

If you have an ATA-type PC card installed in your computer and have problems with the computer while docked, try installing the BayManager hot-swap software. BayManager helps prevent certain lockup, reboot, and detection problems with ATA mass storage cards.

Docking and Undocking with a LAN Connection

If your computer has a LAN port, you may experience a delay after docking or undocking while Windows 98 updates the configuration. During this time, the pointer or other devices may not operate properly. You may have to wait up to a minute or more for the system to be ready.

Using a Non-HP USB Floppy Drive

If your computer locks up while booting and you have a non-HP USB floppy drive connected, try rebooting with the USB drive unplugged then connecting it later. An alternative workaround is to disable the Legacy USB Support setting in BIOS Setup.

Windows 2000

Running the Tour of Windows 2000

In the Getting Started window, you can click Discover Windows for a tour of Windows 2000. When you're prompted to insert the CD, click Cancel and type `c:\tour` to start the tour.

Setting the Display after Docking

The first time you dock the computer in an expansion base, the display may change to 640 × 480 resolution and look small on your screen. If this happens, right-click the desktop and select Properties. On the Settings tab, set the screen area to 1024 × 768.

Changing the Refresh Rate for an External Monitor

If you have an undesirable pulsating image on an external monitor connected to the computer or expansion base, you may want to change the refresh rate. To change the refresh rate for an external monitor, you should use the following steps while the monitor is connected:

1. In Windows 2000, click Start, Settings, Control Panel and double-click Display.
2. On the Settings tab, click Advanced.
3. On the ATI Display tab, click Monitor, then change the refresh setting.

Booting from a Network

If your computer has a built-in LAN port, you can boot from a network by making Internal NIC the first boot device in BIOS Setup. However, your computer may restart unexpectedly during the process of booting. To avoid this, you should shut down the computer completely before rebooting.

Reinstalling HP One-Touch

Your computer comes with HP One-Touch software preinstalled. If you need to reinstall or update the HP One-Touch software, you must log in as administrator to complete the installation properly.

Windows XP

Using an External Keyboard

Fn hot-keys are not supported on any external PS/2 or USB keyboard under Windows XP. However, all hot-key functions are available via software.

Using Wireless LAN Connections

If you want to turn the wireless radio on or off in Windows XP, you can press the wireless on-off button, or you can use these methods:

- * To turn off the radio, right-click the wireless connection icon in the taskbar and select Disable.
- * To turn on the radio, click Start, Control Panel, Network and Internet Connections, Network Connections, then double-click the wireless network connection icon.

In Windows XP, the wireless connection icon in the taskbar may not accurately display the signal strength of a wireless connection. If the icon always displays Excellent signal strength for your connection, you can check the actual signal strength in Control Panel--click Start, Control Panel, Other Control Panel Options, Wireless Settings. A product update is planned--check for an updated 802.11 driver package at www.hp.com/go/support.

With Windows XP, you probably will not have problems setting up wireless encryption using passphrases or hexadecimal keys. Therefore, the encryption key converter is not present in the Start menu. If you want to use the key converter, run `c:\hp\drivers\wireless\aeiwlwep.exe`.

Using an Internet Proxy Server

If you set up an Internet connection that uses a LAN proxy server, you should enable the option for bypassing the proxy server for local addresses. Otherwise, you may experience delays accessing local computers or other resources on your network.

Windows NT 4.0

Wireless LAN and Infrared Not Supported

The built-in wireless LAN and the infrared port, each available on certain models, are not supported by Windows NT.

Restoring Operation under Windows NT

For Windows NT, if you install new services, hardware devices, or applications, you must reinstall the Service Pack from the Recovery CD. This ensures that the Service Pack components and other related components work properly. It will not write over any applications, settings, or drivers you have installed.

For example, if you install Windows network support, you should reinstall the Service Pack so that other components work properly.

A recent Service Pack is located on Recovery CD in the root directory \NT4_SPX, where X shows you the Service Pack number on your computer. Follow these steps if you need to install it again:

1. Connect the ac adapter and turn on the computer.
2. From the Start menu, click Run.
3. From the CD-ROM drive, run \NT4_SPX\SpXi386.exe, where X is the Service Pack number.

Setting Up the Internal LAN Adapter

If you have an internal LAN adapter, follow these steps to set it up properly. If you do not complete these steps, you may lose your network connections when the computer suspends or hibernates.

1. In Control Panel, open Network and install network support. When prompted, click Select From List, then Have Disk and enter the path c:\hp\drivers\lan. Select the 3Com ethernet adapter. You may be prompted for the location of NT files one or two times--first try the path c:\i386, then use the path c:\hp\drivers\lan.
2. Plug in the AC adapter and reinstall the Windows NT service pack from the Recovery CD. To do this, click Start, Run, then browse to \NT4_SPX\SpXi386.exe on the Recovery CD, where X is the Service Pack number.
3. Click Start, Run, then type or browse to c:\hp\drivers\lan\tdiinst.exe. This installs power management capabilities.

Using PC Cards

Use of some point-enabled cards and possibly other cards may prevent the system from hibernating when battery power is low. Instead, the batteries can drain to the point of a nonrecoverable shutdown (data is lost). To prevent this from happening when using these cards, do not leave the system unattended when the batteries may drain to this low level. Instead, either connect a charger or power the system off. If APM is installed on the computer, the system will warn about low battery conditions. You should save any data at this time.

Installing VirusScan and Card Executive

If you will be installing both McAfee VirusScan and Card Executive, install McAfee VirusScan first.

If you've already installed Card Executive, install the Windows NT Service Pack (see above) before installing VirusScan. If you don't install the Service Pack after Card Executive, you may get an error while installing VirusScan. If you already got this error, install the Service Pack, then VirusScan.

Matching the Keyboard and Driver

The Windows NT keyboard driver defaults to the OS language. For example, a unit with a French OS defaults to the French keyboard driver, regardless of what keyboard is actually installed. If your computer has a keyboard other than the standard keyboard for your OS language (for example, French Canadian), the keyboard may not work properly.

To select the correct driver for your keyboard

1. From Control Panel, double-click Keyboard, Input Locales.
2. Select the correct keyboard input locales and layout for your keyboard.

Using Media Player

If Media Player does not play certain AVI files correctly, try opening them with Mplay32.exe. Click Start, Run, type mplay32 and click OK.

Using VirusScan without a Floppy Drive

Make sure you do not enable the VirusScan option for checking the floppy drive at shutdown. Otherwise, if you shut down the computer without a floppy drive present, the computer may take several minutes to shut down and may beep loudly. To disable this option, double-click the VirusScan icon in the taskbar, then click Properties and view the Detection tab. In Windows NT, clear Floppy During Shutdown under Scan.

Installing Mediamatics DVD Player Software

If you get an error message about the IDE driver while trying to install Mediamatics DVD software, do the following:

1. In Control Panel, open SCSI Adapter and display the Drivers tab.
2. Highlight the Intel ATA driver and click Remove.
3. Click Add, Have Disk, and Browse. Then go to the c:\hp\Drivers\Piix4 directory and select Piixide.inf to install the PIIXIDE driver.

This should allow you to install the Mediamatics DVD software.

Dr. Watson Errors during Software Installation

If you get a Dr. Watson error message during a software installation, acknowledge the message and continue the installation. For more information about the Dr. Watson utility, see the Microsoft website at <http://www.microsoft.com>.

Best Practices for Using Your HP Notebook Computer

The following are recommendations on how to maintain your notebook computer during everyday use, as well as how to prevent potential physical damage or data loss. Hard disk drives and other internal components are not infallible, and can be damaged by inappropriate handling and operation.

Physical Care

- * Avoid bumps or jolts.
 - Suspend or shut down the computer before transporting it. This turns off the hard drive. A drop of a few inches onto a rigid surface while the hard drive is operating could cause loss of data or damage to the drive.
 - Carry the computer in a padded case to protect against bumps and jolts.
 - Set down the computer gently. Take precautions against accidental bumps.
 - Do not operate the computer while traveling over bumpy terrain.
- * Make sure there is adequate ventilation around the computer. Suspend or shut down the computer before putting it in a carrying case or other enclosed space.
- * Do not pick up or carry the computer by the display.
- * Do not use the computer outside in the rain or snow (inclement weather) or in any extremes of temperature or humidity.

General Use

- * Set the brightness of your display to the lowest comfortable level. This will help prolong your battery charge.
- * Back up your work regularly. Copy files to floppy, tape or network drives.
- * Use a virus scanning program, preferably one that will run automatically, to check the integrity of your files and operating system on a periodic basis. Check your disk using "scandisk" and "defrag" utilities.
- * Before undocking, you may need to shut down the computer.
 - For Windows 98 or other Plug-n-Play operating systems, you do not have to shut down before undocking.

See your manual for details on how to start and stop your HP notebook computer.

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