HP Notebook PC

Startup Guide

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Support Policy for Support Pack of Operating Systems. HP provides end user support for HP PCs that use Microsoft Operating Systems, including its latest service packs. This support will be available within 30 days of the software being released.

# Edition History

Edition 3	••	•••	•	• •	•	•	•	 •	•	•	•	•	•	 •	•	•	•	• •	•	•	•	•	•	•	• •	•	•	•	•	• •	•	•	 . August 200	1
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Introducing Your Computer

# Taking Inventory

Your HP notebook PC is shipped with these items:

- battery
- AC adapter and power cord
- Quick Start sheet
- HP notebook PC Startup Guide
- *Recovery CD* (or CDs), used to restore Windows and all software included with your computer
- Microsoft Windows manual
- telephone cord (if your computer has a built-in modem)

In addition, your HP notebook includes preinstalled software. (The exact software installed depends on your particular notebook model.)

# To find more information

Here are some sources of information about your HP notebook PC.

Source	Description
Quick Start sheet	This pictorial introduction shows you how to get the computer up and running quickly.
Reference Guide	The <i>Reference Guide</i> is a help file located on your hard drive. It provides you with detailed information about your notebook PC. Click Start, Help and Support, HP Library, HP Notebook Reference Guide.
HP Notes	This document contains late-breaking information available after the <i>Reference Guide</i> was completed. Double-click the HP Notes icon on the desktop (if available), or click Start, Help and Support, HP Library, HP Notes.
Introductory Microsoft manual for Windows	This manual contains information about using the standard features of Microsoft Windows.
Windows Help	Click Start, Help and Support.
HP notebook PC web site	www.hp.com/notebooks

# Identifying Parts of the Notebook



7 Click buttons

#### Introducing Your Computer Identifying Parts of the Notebook

Front view



- 14 Headphone audio jack
- 15 Status panel mode select button (on selected models)
- 16 Status panel (on selected models)
- 17 Multimedia buttons **(on selected models)** (see "Multimedia Buttons" in the *Reference Guide*)
- 18 Latch (to open computer)

# Rear and left side view

- 19 AC adapter (power) jack
- 20 PS/2 port (external mouse or keyboard)
- 21 Serial port
- 22 Parallel port
- 23 VGA port (external monitor)
- 24 TV output port
- 25 USB ports

- 26 Microphone jack
- 27 Kensington lock slot (security connector)
- 28 PC card slots
- 29 System-off button (for resetting computer)
- 30 PC card eject buttons
- 31 Floppy disk drive

Introducing Your Computer Identifying Parts of the Notebook

# Bottom view



- 32 Battery
- 33 Battery latch
- 34 RAM expansion cover
- 35 Mini-PCI cover (no user parts inside)

Introducing Your Computer Identifying Parts of the Notebook

# Status lights



- 1 Power
- 2 Battery
- 3 Caps lock (capital letters)
- 4 Num lock (numeric keypad)
- 5 Scroll lock
- 6 Floppy disk drive access
- 7 Hard disk drive access
- 8 CD-ROM, CD-RW, DVD, or CD-RW/DVD drive access

# Setting Up the Computer

## To install the battery

Your computer is shipped with the battery installed. If the battery has been removed, you can install it by inserting it into the battery bay on the bottom of your computer. Insert the back edge first, as shown, then press down the front edge until the battery latch clicks shut.



Once you have installed the battery, connect the AC adapter to the computer and recharge the battery while you work. You can also replace a low battery with a charged one.

WARNING Do not mutilate, puncture, or dispose of batteries in fire. A battery can burst or explode, releasing hazardous chemicals. A rechargeable battery must be recycled or disposed of properly.

# To connect AC power

Plug in the AC adapter, then connect the AC adapter to the rear of the computer. The battery starts charging.



#### CAUTION

Use only an HP AC adapter intended for this product, either the adapter that came with the computer or another authorized HP adapter. Using an unauthorized AC adapter can damage the computer and may void your warranty. Refer to the warranty statement for your product.

Introducing Your Computer Setting Up the Computer

## To connect a phone line

Selected models of the HP notebook PC include a built-in modem. If you prefer, you can instead use a PC card modem or an external modem to connect a phone line.

1. Plug one end of the phone line into the modem phone jack on the computer. Be sure it clicks into place.



2. Plug the other end of the phone line into a telephone jack. (If the phone line does not fit your telephone jack, you may need to use an adapter.)

CAUTION

Your built-in modem may not work with multiple phone lines or a private branch exchange (PBX). It cannot be connected to a coin-operated telephone, and it does not work with party lines. Some of these connections may result in excess electrical voltage and could cause a malfunction in the internal modem. Check your telephone line type prior to connecting your phone line.

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## To turn on the computer

Press the blue standby button located above the center of the keyboard. Windows starts automatically. If you are turning on the computer for the first time, go to "To set up Windows," below.

The power status light next to the power switch (see "Status lights" on page 15) reports the following:

- steady green light: computer is on
- steady amber light: computer is in system standby mode
- no light: computer is off or in hibernate mode

See "Managing Power Consumption" on page 30 for additional information about turning off your computer.

If your computer does not turn on when operating on battery power, the battery may be out of power. Plug in the AC adapter and press the standby button again.

## To set up Windows

Your HP notebook has Microsoft Windows XP preinstalled on the hard disk drive. The first time you turn on your computer, a Windows Setup program will automatically run so that you can customize your setup.

Before you begin, connect the AC adapter to your notebook, since your battery may not be sufficiently charged to complete the Windows setup. Also, be sure to connect the notebook to a phone line; see "To connect a phone line" on page 18.

- 1. Press the blue standby button. The Windows Setup program starts automatically.
- 2. Follow the instructions as they appear on the screen.

During setup, you are prompted to enter a user name and accept the License Agreement.

You can also register your computer at this time. Follow the instructions on the screen during setup.

3. If your computer has a modem, check the modem's country or region settings: click Start, Control Panel, Printers and Other Hardware, Phone and Modem Options, then click Edit on the Dialing Rules tab.

# Introducing Your Computer **Setting Up the Computer**

Note You may be required to enter your Windows ID number. To locate it, look on the Certificate of Authenticity packaged with the Microsoft Windows manual or look for a sticker in the battery compartment. If you have any connection problems with your modem, try redialing. If that doesn't work, you can skip registration for now. If you're not familiar with Windows XP, click Start, Tour Windows XP, or check the Windows manual to discover what's new. To register your computer Be sure to register your computer. Registering is free and fast, and it ensures you will receive quicker, more personalized support. The information you provide during registration will be used to provide you with better products and services. You can register while setting up Windows, or later in any of three ways: by modem, by phone, or by fax. For some countries and models, an HP notebook registration icon is available on the desktop. By modem To register by modem, see that the phone is connected, then follow the onscreen instructions. If you choose not to register right away, you can register by modem later by doubleclicking the Registration icon on the desktop (if available). This icon disappears after you register. Note If you encounter a busy signal while attempting to register by modem, the registration client may suspend with an hourglass icon. Click the Back button and dial-out again. If your computer does not have a built-in modem, you can register after you set up a PC card modem or an external modem-or you can register by phone or fax. By phone You can call your HP Customer Care Center and register by phone. Check "To call HP for service and support" on page 43 for the phone number. By fax If a printer is connected to your computer, you can print a registration form and fax it to HP. Double-click the HP Notebook Registration icon on the desktop (if available), and print the registration form. You will find the fax number on the registration form.

## To reset your computer

If Windows or your computer stops responding, you can reset the computer and restart Windows.

1. If possible, shut down Windows: click Start, Turn Off Computer, Turn Off.

-or, if this fails-

Press CTRL+ALT+DEL, then click Shut Down.

- 2. If the computer does not shut down, slide and hold the power switch for five seconds, then release it.
- 3. If the computer still does not shut down, insert a pin or straightened paper clip into the recess on the left side of the computer, underneath the PC card eject buttons.



4. After the computer shuts down, press the blue standby button to turn the computer on again.

Using Your Computer

Using Your Computer Operating the Computer

# Operating the Computer

## To use the Fn hot keys



The combination of the Fn key plus another key creates a *hot key*—a shortcut key sequence—for various system controls. Press *and hold* Fn while pressing the appropriate key.

Hot key	Does this
Fn+F1	Decreases the display's brightness (TFT screens only)
Fn+F2	Increases the display's brightness (TFT screens only)
Fn+F3	Decreases the display's brightness (HPA screens only)
Fn+F4	Increases the display's brightness (HPA screens only)
Fn+F5	Switches among the built-in display, an external display, and simultaneous displays
Fn+F7	Toggles the sound on and off (mutes sound)
Fn+F8	Toggles the embedded numeric keypad on and off
Fn+Lock key*	Toggles Scroll Lock on and off (except on external keyboard)
Fn+Up arrow	Increases sound volume (except on external keyboard)
Fn+Down arrow	Decreases sound volume (except on external keyboard)
*The Lock	key is in the top row of the keyboard:

## To use the touch pad

The touch pad, a touch-sensitive pointing device that controls the motion and speed of the pointer on the screen, is built into your computer.

#### Using Your Computer Operating the Computer



- 1 Pad Lock (touch pad on/off button)
- 2 Touch pad (pointing device)
- 3 Scroll up/down toggle
- 4 Click buttons
- Move a thumb or finger across the touch pad in the direction you want the pointer to move.
- Use the click buttons, which function like the left and right buttons on a mouse, to make your selection. You can also tap on the touch pad instead of clicking a button.
- To open an application, move the pointer over the icon, then press the left click button twice rapidly (double-click). You can instead tap twice on the touch pad.
- To make a menu selection, move the pointer to the item and click the left click button once.
- To open the shortcut menu for an item, move the pointer over the item and click the right click button.
- To drag an item, move the pointer over the item. Press and hold the left click button while you move the pointer to the new location. Release the button.
- To scroll up and down, press the top or bottom of the center toggle below the touch pad.
- To disable the touch pad, press the Pad Lock button (the amber touch pad indicator turns off). To reenable it, press the Pad Lock button again (the touch pad indicator lights). You may wish to disable the touch pad, for example, when you are entering text and do not want to move the cursor accidentally. Avoid contact with the touch pad itself at the same time you are pressing the Pad Lock button (to disable or to reenable); simultaneous contact will not allow the Pad Lock button to work properly.

# Working in Comfort with a Notebook PC

You can use your HP notebook computer virtually anywhere, anytime. The following recommendations should help you work more comfortably.

Note that if you are using your portable computer as your primary computer, or using it for extended periods, you should use it with a full-size keyboard, monitor, and mouse. This will give your portable computer the adjustability and comfort features of a desktop unit. HP docking accessories offer quick, easy connections to these devices. More information on how to prepare your workspace environment and set up your HP equipment is available in *Working in Comfort*, which is preloaded on the hard disk in the HP Library (click Start, Help and Support, HP Library) and available on the *Recovery CD* in \hp\library—as well as at www.hp.com/ergo.

WARNING Improper use of keyboards and other input devices has been associated with ergonomic injury. For more information about reducing your risk, visit our ergonomics web site or see *Working in Comfort* in the online HP Library.

#### Your mobile work environment

- Use a chair that provides good support for your lower back. If an adjustable chair is not available, you can use a pillow or rolled-up towel to provide lower back support.
- Try to keep your thighs parallel to the floor and your feet flat on the floor. In a mobile environment, you can do this by using a phone book or briefcase to support your feet.
- Adjust the height of either your work surface or chair to keep your arms in a neutral position. Your arms should be relaxed and loose, elbows at your sides, with the forearms and hands parallel with the floor.
- Position your notebook computer display to minimize glare and reflection. For example, on an airplane, lower the window shade; or in a hotel room, draw the curtains. You also should maintain a comfortable viewing distance—approximately 40 to 60 cm (16 to 24 inches). Adjust the angle of your display to help keep your head angled slightly downward in a comfortable position.

#### Using your mobile computer

- Position the computer so your wrists and hands are in a neutral position. Your wrists should be as straight as possible and should not have to bend sideways or more than 10 degrees up or down. Your HP notebook computer has a built-in palm rest, which is ideal for this purpose.
- Try to type as lightly as possible. The notebook keyboard requires little force to activate.
- Take frequent, short rest breaks—this is especially important in a mobile computing environment.
- Portable computers weigh between approximately 1.5 and 4 kilograms (approximately 3 to 8 pounds). When traveling, be sure to carry your computer properly to minimize strain on your body. Shift the bag containing your notebook equipment frequently between your left and right hands and shoulders.

Traveling with Your Computer

# Managing Power Consumption

When you are not using your computer, you will want to maximize battery operating time without compromising performance. It is not necessary to turn the computer off in order to reduce power consumption and extend battery life.

Windows uses Advanced Configuration and Power Interface (ACPI) to provide manual and automated tools for reducing power consumption.

- You can set power management options to occur automatically, based on timeout values entered. See "To use automated power management" in the *Reference Guide*.
- You can also invoke power management options manually at any time by pressing the appropriate key. See "To use manual power management," below.

## To use manual power management

You can manage your computer's power manually whenever you need to with any of the following three levels of power management.

#### System Standby

Action	Turns off the display and hard disk drive.
When	Press the blue standby button - <i>OR</i> - Click Start, Turn Off Computer, Stand By - <i>OR</i> - Configure lid, power switch, or standby button to perform the standby action (see "To set power management properties,"
	above). Then close lid or press button.
Resume	Press the blue standby button to return to your current session.

System standby can also occur automatically when the timeout setting in Power Options in Control Panel is reached.

Make a habit of saving your work before allowing your computer to go to system standby. If there is an interruption in power while the computer is in standby, information that has not been saved will be lost.

CAUTION

#### Traveling with Your Computer Managing Power Consumption

#### System Hibernation

Action	Saves the current session to disk, then shuts down. Provides maximum power savings while still allowing you to recover the current session. Restores network connections.
When	Click Start, Turn Off Computer, then press and hold Shift and click Hibernate. - <i>OR</i> - Configure lid, power switch, or standby button to perform the hibernation action (see "To set power management properties," above). Then close lid or press button.
Resume	Press the blue standby button to recover your current session. This may take several minutes.

Hibernate mode also occurs automatically when battery power reaches a critically low level. See "To respond to a low-battery warning" on page 33.

#### Off

Action	Turning off your computer provides maximum power savings. The current session is not saved and unsaved data will be lost.
When	Click Start, Turn Off Computer, Turn Off - <i>OR</i> - Slide the power switch and hold for five seconds (only if the Start menu procedure doesn't work) - <i>OR</i> - Configure a power switch (see "To set power management properties," above).
Resume	Press the blue standby button to start a new session. This may take several minutes.

If the system stops responding and you are not able to turn off the computer as described above, you can still recover. See "To reset your computer" on page 21.

Traveling with Your Computer Using Battery Power

# Using Battery Power

You can operate the HP notebook PC on battery power for extended periods, but you should be prepared to save your work and shut down if the battery is low.

## To check the battery status

#### From the battery status light



The battery status light reports the following information:

Green	AC attached—battery full
Amber	AC attached—battery charging
Red	AC attached—battery will not accept charge (abnormal)

#### From the Windows taskbar

The System Tray on the Windows taskbar can display a power icon that provides detailed battery status information (see Windows help for details). The icon looks like a battery when AC is not connected.

- Place pointer over the power icon to display the percentage of charge remaining.
- Right-click the power icon to view the options for displaying power information.
- Left-click the power icon to display a menu of the available power schemes.

#### From the Windows Control Panel

• Click Start, Control Panel, Performance and Maintenance, Power Options, then click the Power Meter tab to see battery status. The Alarms and Advanced tabs provide additional Windows' power-information options.

#### From the status panel

If your computer has a status panel, press the status panel mode button repeatedly until you see the battery icon and the percentage of charge remaining.

## To respond to a low-battery warning

The computer automatically alerts you when the battery power drops to a critically low level. If you do not restore power within a short time, the system hibernates.

Once the computer hibernates in this way, you won't be able to turn it on again until you restore power by one of the following actions:

• Plug in the AC adapter (see "To connect AC power" on page 17).

OR

• Replace the battery with one that is charged (see "To install the battery" on page 16). The system must first be shut down or put into hibernate mode before changing the battery.

Note

If you plug in the AC adapter, you can continue to work while your battery recharges.

Configuring and Expanding Your Computer

# Installing RAM Modules

The notebook provides an optional memory expansion slot for installing up to two RAM expansion modules. Use HP PC-133 or higher SDRAM modules only.

#### CAUTION Static electricity can permanently damage computer chips. Handle the RAM module only by its three non-connector edges. Otherwise, you may damage the module due to electrostatic discharge. Always discharge the static electricity from your body by touching the metal shielding around the connectors on the rear of the computer before touching or installing the memory module.

You'll need a small Phillips screwdriver to complete this procedure.

- 1. Click Start, Turn Off Computer, Turn Off.
- 2. Important: unplug the AC adapter, if present, and remove the battery.
- 3. Remove the RAM expansion cover located on the bottom of the computer.



- 4. Insert the RAM expansion module into the connector at about a 30° angle until it's fully inserted. Then press down at both sides of the module until it latches.
- 5. Replace the RAM expansion module door.
- 6. Insert the battery.
## Removing RAM Modules

You'll need a small Phillips screwdriver to complete this procedure.

- 1. Click Start, Turn Off Computer, Turn Off.
- 2. Unplug the AC adapter and remove the battery.
- 3. Remove the RAM expansion cover located on the bottom of the computer.



- 4. Release the two latches at the sides of the RAM expansion module by pushing them gently outward (away from the sides of the module). When you release the latches, the free edge of the module pops up.
- 5. Pull the module out of the connector. Note the markings on the socket, so you can replace the module with a compatible module.
- 6. Replace the RAM expansion module door.

Service and Support

## Hewlett-Packard Limited Warranty Statement

- 1. HP warrants to you, the end-user customer, that HP hardware, accessories, and supplies will be free from defects in materials and workmanship after the date of purchase, for the period specified in the Warranty Duration table below. HP Pavilion and Omnibook XE Series Notebooks typically come with a standard one-year warranty. Please see the Warranty Duration table for more details. If HP receives notice of such defects during the warranty period, HP will, at its option, either repair or replace products which prove to be defective. Replacement products may be either new or equivalent in performance to new.
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- 5. Warranty does not apply to defects resulting from (a) improper or inadequate maintenance or calibration, (b) software, interfacing, parts, or supplies not supplied by HP, (c) unauthorized modification or misuse, (d) operation outside of the published environmental specifications for the product, or (e) improper site preparation or maintenance.

### Service and Support Hewlett-Packard Limited Warranty Statement

- 6. TO THE EXTENT ALLOWED BY LOCAL LAW, THE ABOVE WARRANTIES ARE EXCLUSIVE AND NO OTHER WARRANTY OR CONDITION, WHETHER WRITTEN OR ORAL, IS EXPRESSED OR IMPLIED AND HP SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY, AND FITNESS FOR A PARTICULAR PURPOSE. Some countries, states, or provinces do not allow limitations on the duration of an implied warranty, so the above limitation or exclusion might not apply to you. This warranty gives you specific legal rights and you might also have other rights that vary from country to country, state to state, or province to province.
- 7. TO THE EXTENT ALLOWED BY LOCAL LAW, THE REMEDIES IN THIS WARRANTY STATEMENT ARE YOUR SOLE AND EXCLUSIVE REMEDIES. EXCEPT AS INDICATED ABOVE, IN NO EVENT WILL HP OR ITS SUPPLIERS BE LIABLE FOR LOSS OF DATA OR FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFIT OR DATA), OR OTHER DAMAGE, WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. Some countries, states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

THE WARRANTY TERMS CONTAINED IN THIS STATEMENT, EXCEPT TO THE EXTENT LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT OR MODIFY AND ARE IN ADDITION TO THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THIS PRODUCT TO YOU.

Product	Duration of Limited Warranty
HP Notebook with "1YR" or similar mark on serial- number label	1 year, or number of years marked.
HP Notebook with "90D" or similar mark on serial-number label	90 days or number of days marked.
HP Notebook accessories and batteries	1 year.
Non-HP accessories, Non-HP "Distributed by HP" accessories	Not warranted by HP. Refer to manufacturer's warranty.
HP Software, Microsoft Software	90 days.

## Getting Support for Your HP Notebook PC

HP offers a number of ways that you can get technical support for your computer. If you have questions or problems, here are the resources available to you:

- Look up information in the electronic *Reference Guide*.
- Visit the HP notebook web site.
- Use HP Instant Support on your notebook.
- Call HP support.
- Look up information in Microsoft Windows Help and the printed Windows manual.

## To use the Reference Guide

The *Reference Guide* is an electronic help system included on your hard disk. To open the *Reference Guide*, click Start, Help and Support, HP Library, HP Notebook Reference Guide.

To locate information in the guide, use the Contents, Index, and Search tabs:

- The Contents tab lists the headings of all the topics in the guide.
- The Index tab provides an alphabetical list of the keywords in the guide; you can locate a keyword either by typing it in the box or by scrolling through the list.
- The Search tab allows you to find specific words and phrases.

## To get help from the HP notebook web site

HP has a web site on the Internet dedicated to HP notebook owners: www.hp.com/notebooks. This web site contains information about the various HP notebook models, warranties, support, and special promotions.

To get help with your computer at this web site, click on Technical Support. In the technical support area, you will have access to:

- answers to frequently asked questions
- software, driver, and BIOS updates

## Service and Support Getting Support for Your HP Notebook PC

- electronic manuals
- troubleshooting solutions
- self-help tools
- the basic services included with your warranty, as well as descriptions of enhanced and custom services
- latest support telephone numbers for HP products

#### To use HP Instant Support

Available at no charge, HP Instant Support is a value-added service, featuring web-based automated diagnosis and resolution capabilities. It can be personalized to meet your business needs, delivering the support experience that works for you and accelerating the resolution of computing problems.

Choose either automated Self-Service, for online delivery of answers, or Smart Solutions, which utilizes Instant Support's "smart search" function. This intelligent tool allows you to describe problems in everyday language, then wizards you through a variety of user-friendly support options. Find more information about Instant Support on our external web site at www.hp.com/hps/instant/index.htm.

## To call HP for service and support

If you are unable to solve a problem with your computer, you can call the HP Customer Care Center. The Customer Care Center will assist you at no charge during the term of the warranty, for warranty-related questions; you are responsible only for cost of the telephone call. During the free assistance period, HP will assist with questions about:

- applications and operating systems included with your computer
- HP-described operation environments and conditions
- HP accessories, HP upgrades, and basic operation and troubleshooting

HP will not be able to help with questions about:

- non-HP hardware, software, operating systems, or usage not intended for—or not included by HP with—the product
- how to repair the product yourself
- product development or custom installations
- consulting

### Service and Support Getting Support for Your HP Notebook PC

To locate the Customer Care Center in your area, check the following table. HP Customer Care Centers will assist you for free during the term of the warranty; you are responsible only for the cost of the telephone call. Check the HP notebook web site (www.hp.com/notebooks) for the most complete and current list of phone numbers. If the HP notebook product is not normally sold and supported by HP in the country of use, the customer must call one of the supported HP Customer Care Centers located nearest the region. Currently, Omnibook XE3 and Pavilion notebook service and support assistance is only provided in the following countries:

#### Pavilion Series Notebooks (limited to the following)

United States:	+1 (970) 635-1000	
France:	+33 (0) 1 43 62 34	
United Kingdom:	+44 (0) 207 512 52	
Mexico City:	+52 58 9922	
Mexico (outside Mexico City): +52 01 800 472		

### **Omnibook XE3 Series Notebooks**

North America		Europe	
United States	+1 (970) 635-1000	Austria	+43 (0)7114 20
Canada	+1 (905) 206-4663	Belgium (Dutch)	+32 (0)2 626 8806
Latin America		Belgium (French)	+32 (0)2 626 8807
Mexico City	+52 58 9922	Czech Republic	+42 (0)2 6130 7310
Mexico (outside Mexico	+52 01 800 472	Denmark	+45 39 29 4099
South America		English (from outside UK)	+44 (0)171 512 52
Argentina	+0810 555 5520	Finland	+358 (0)203 47 288
Brazil (São Paulo)	(11) 3747 7799	France	+33 (0)1 43 62 34
Brazil (outside São Paulo)	0800 157751	Germany	+49 (0)180 52 58
Venezuela	0800 157751	Greece	+30 (0)1 619 64 11
Asia Pacific		Hungary	+36 (0)1 382 1111
Australia	+61 (0)3 8877 8000	Ireland	+353 (0)1 662 5525
Hong Kong	+852 800 96 7729	Italy	+39 02 264 10350
India	+91 11 682 6035	Netherlands	+31 (0)20 606 8751
Indonesia	+62 21 350 3408	Norway	+47 22 11 6299
Japan	+81 (0)3 3335 8333	Poland	+48 22 519 06 00
Korea	+82 2 3270 0700	Portugal	+351 21 317 6333
Malaysia	+60 (0)3 295 2566	Russia (Moscow)	+7 095 797 3520
New Zealand	+64 (0)9 356 6640	Russia (St. Petersburg)	+7 812 346 7997
People's Republic of China	+86 800 810 5959	Spain	+34 902 321 123
Philippines	+63 2 867 3551	Sweden	+46 (0)8 619 2170
Singapore	+65 272 5300	Switzerland	+41 (0)848 80 11 11
Taiwan	+886(2)2717 0055	Turkey	+90 216 579 71 71
Thailand	+66 2 661 4000	Ukraine	+7 380 44 490 3520
Vietnam	+84 8 823 4530	United Kingdom	+44 (0)207 512 52
Africa/Middle East			
Dubai	+971 (0)4 8839 292		
Israel	+972 (0)9 952 4848		
Republic of South Africa	+27 (0)86-000-1030		

# Obtaining Repair Service

	To receive warranty repair service	
	To receive warranty repair service for Omnibook XE3 and Pavilion Notebook Series, contact the appropriate HP Customer Care Center. Check "To call HP for service and support" on page 43 for the phone number.	
Note	HP Pavilion notebooks have regional support and service in selected countries. Currently, HP Pavilion notebook PCs are supported only in the country in which they are purchased and marketed. If you are outside the country of purchase, you must cover the cost of shipping your notebook to the appropriate HP authorized repair site.	
	For example, if you purchased a Pavilion notebook in the United Kingdom, and then traveled to Russia, you would be responsible for shipping the unit to the United Kingdom for repair and service under warranty. If you are uncertain about the support, please contact our Customer Care Center—see "To call HP for service and support" on page 43.	
	The support technician will help qualify your unit for warranty repair, based on the warranty applicable to your unit and original purchase date, and will provide you with repair processes. If the HP notebook product is not normally sold and supported by HP in the country of use, it must be returned to a supported country for services. Warranty service may include the cost of shipping, handling, duties, taxes, freight, or fees to or from the service location.	
	To repair your computer outside the warranty period	
	If your PC is no longer in the warranty period, contact the appropriate Customer Care Center. The HP support person will let you know about repair charges and processes.	

## To prepare your computer for shipment

1. **Important.** Back up the contents of your hard disk drive to floppy disks, tape, or a network drive.

While your computer is being repaired, the hard disk may be replaced or reformatted.

- 2. Hewlett-Packard cannot guarantee the return of removable components. Please remove the following before you send your computer for service:
  - PC cards
  - AC adapter and power cord
  - CDs in the CD player
  - floppy disks in the floppy disk drive
- 3. When shipping your computer to Hewlett-Packard, please use the original product packaging or other substantial packaging in order to avoid damage in transit. Make sure to wrap at least three inches of protection around the unit and the courier will put it into one of their boxes.

Solving Problems with Your Computer

## Troubleshooting Techniques

This section contains solutions to a few common problems and troubleshooting techniques for your HP notebook PC. Here in the *Startup Guide*, you will find suggestions about situations that might occur when you cannot access information on your computer. A more complete set of troubleshooting solutions and techniques is in the electronic *Reference Guide*.

## Display problems

### If the computer is on, but the screen is blank

- Move the mouse or tap the touch pad. This will wake the display if it is off.
- Try pressing Fn+F2 or Fn+F4 to increase the brightness.
- Press Fn+F5 in case the internal display was disabled. (Do this three times to return to the state you started from.)
- If the computer is cold, allow it to warm up.

#### If the screen is difficult to read

• Check whether the display resolution is set to its default setting—800×600 for 12" TFT and 13" HPA displays or 1024×768 for 13", 14", and 15" TFT displays: click Start, Control Panel, Appearance and Themes, Display, Settings.

## Hard disk drive problems

### If the computer's hard drive doesn't spin

• Make sure the computer has power. If necessary, connect the AC adapter, making sure it is plugged into a power source and into the rear of the computer.

#### If the hard disk makes a buzzing or whining noise

- Back up the drive immediately.
- Check for alternate noise sources, such as the fan or a PC card drive.

## Keyboard, touch pad, and mouse problems

### If the touch pad is difficult to control

• Customize the touch pad by modifying Mouse properties: click Start, Control Panel, Printers and Other Hardware, Mouse.

#### If the pointing devices don't work

- Don't touch the touch pad while booting or resuming. If this happens, try the following:
  - Press a key on the keyboard to restore normal operation.
  - Suspend and resume operation using the blue standby button.
- Restart the computer: click Start, Turn Off Computer, Restart.

## Performance problems

For best performance with Windows XP, your computer should have at least 96 to 128 MB of memory (RAM).

#### If the computer stops responding

- Press CTRL+ALT+DEL to end any application that is not responding.
- Slide and hold the power switch for at least four seconds to turn off and reset the computer. Then press the blue standby button to turn the computer back on.
- If nothing happens, insert a straightened paper clip into the system-off button on the left side of the computer. Then press the blue standby button to turn the computer back on.

# Solving Problems with Your Computer **Troubleshooting Techniques**

## Power and battery problems

### If the computer turns off immediately after it turns on

• Battery power is probably extremely low. Plug in the AC adapter or insert a newly charged battery.

#### If the computer keeps beeping

• The computer beeps repeatedly or displays a warning when the battery is low. Save your work, shut down the computer immediately, and insert a charged battery or plug in the AC adapter.

#### If the battery doesn't charge

- Make sure the AC adapter is plugged into the power source and that the light on the adapter is on.
- If you're using a power strip, remove the AC adapter from the power strip and plug it directly into a wall outlet.
- Make sure the battery is fully installed and locked in place.
- Turn off the computer, then make sure the battery contacts are clean and that the AC adapter cables are fully plugged in.
- Move the computer away from any nearby heat source. Unplug the AC adapter and allow the battery to cool down. An elevated battery temperature prevents charging.
- If another battery is available, try it.
- If another AC adapter is available, try it.

### Solving Problems with Your Computer Troubleshooting Techniques

## Startup problems

### If the computer doesn't respond when you turn it on

- Connect the AC adapter.
- Slide the power switch to try turning on the unit.
- Reset the computer by inserting a straightened paper clip into the system-off button on the left side of the computer. Then turn it on by pressing the blue standby button.
- Don't use the touch pad while booting or resuming.
- If you get no response, remove the battery and AC adapter, remove any PC cards, and undock the computer. Then plug in the AC adapter, reset the computer using the system-off button, and turn it on by pressing the blue standby button.
- If you still get no response, call HP for assistance.

### If the computer doesn't boot from battery power

- Make sure the battery is properly inserted and fully charged.
- Check battery contacts.
- If another battery is available, try it.

## Testing Hardware Operation

The e-Diagtools program included with your computer provides two levels of testing:

- Automated testing using the basic hardware test.
- Advanced testing using individual hardware tests.

The tests are designed to run after the system reboots. This ensures that the computer will be in a predictable state, so the diagnostic program can properly test the hardware components. The tests are nondestructive and are intended to preserve the state of the computer. The computer reboots when you exit the program, so drivers can be loaded.

#### To run the diagnostic test

- 1. Restart the computer: click Start, Turn Off Computer, Restart.
- 2. Press F10 when you see the HP logo.
- 3. When the menu appears, press Enter to run e-Diagtools.

The first time you run the program, you will be prompted to select the language for the program.

- 4. Follow the prompts to run e-Diagtools.
- 5. When the Configuration Description appears, check the list of detected hardware.

If a device is not detected, it may be configured incorrectly in the BIOS. You can confirm the problem by running BIOS Setup utility and checking the settings.

- 6. **Run the basic test**. Press F2 to start the basic hardware test. The results appear when the test is complete.
- 7. If you intend to exit without running the advanced tests, press F4 to view the Support Ticket. Press F3 to exit e-Diagtools.
- 8. Optional: run the advanced tests. Press F2 to open the advanced test screen.

### Solving Problems with Your Computer Testing Hardware Operation

9. Select and run the appropriate tests. Tests are listed only for detected hardware. Press the following keys to run tests:

Enter	Runs the highlighted test.
F5 or Space	Marks or unmarks the highlighted test.
F6	Marks or unmarks all tests in the current menu.
F7	Marks or unmarks all tests in all menus.

- F10 Run all marked tests.
- 10. **Save the Support Ticket.** Press T to update and display a Support Ticket containing system and test information.
- 11. When you have finished running advanced tests, press ESC to exit.
- 12. Optional: to save the Support Ticket to a floppy disk, press F7 then ALT+C.
- 13. Exit. Press F3 and then any key to exit and reboot.
- 14. **Optional: open the Support Ticket.** In Windows, click Start, All Programs, HP e-Diagtools, e-Diagtools for Windows.
- 15. Click View to display the Support Ticket.
- 16. To add information about your problem, click Comments and type the information, then click OK.

To save or print the Support Ticket, click Save As or Print.

To e-mail the Support Ticket to your support agent, click e-Mail. The first time you make an e-mail connection from this program, click Change Settings in the Connect window and enter the settings recommended by your support agent.

e-Diagtools for Windows can also update the version of e-Diagtools on your computer's hard disk. In e-Diagtools for Windows, use the e-Diagtools menu.

If you have trouble running e-Diagtools diagnostics from the hard disk, you can also run it from the *Recovery CD*. Boot from the CD and select the diagnostics option.

## Recovering and Reinstalling Software

You can use the *Recovery CD* to recover an original build. If you need to recover a specific application, you can reinstall the software directly from your hard drive; for instructions, see "To recover an application" in the *Reference Guide*.

The *Recovery CD* provides the HP notebook–specific Windows drivers to configure your custom system. You can find drivers:

- On the hard drive under c:\hp\drivers.
- On the *Recovery CD*, under \hp\drivers.
- On the HP notebook web site at www.hp.com/notebooks. This web site contains the latest updates of software drivers for your computer.

## To recover the factory installation of your hard disk

The following procedure describes how to recover the original Windows software and operating system that came with your computer.

CAUTION This procedure formats the hard disk drive. After the hard disk drive is formatted, you'll need to reinstall any applications. Reformatting the hard disk drive will erase all data on the disk.

Do not interrupt the following process or unplug the AC adapter until the process is complete.

- 1. **Important:** back up all data from your hard disk. The following steps delete all data from the disk.
- 2. Connect the AC adapter to the computer.
- 3. Insert the *Recovery CD* (disc 1) in the CD-ROM drive. *If the computer is turned off,* insert a straightened paper clip into the hole on the drive door to open it.
- 4. Turn on or restart the computer. If the computer is running, click Start, Turn Off Computer, Restart.
- 5. When you see the HP logo, press ESC to display the Boot menu.
- 6. Use the arrow keys to select the CD-ROM drive as the boot device, and press Enter.

# Solving Problems with Your Computer **Recovering and Reinstalling Software**

7. When the *Recovery CD* dialog box appears, follow the displayed instructions. If prompted, accept the recommended partition size. If you install the factory software, the recovery process can take up to 15 minutes.

If you want to create the hibernate partition without installing the factory software, click Advanced and select not to install the operating system.

If your hard disk is partitioned into several drives, you can install the factory software on drive C without affecting other drives. Click Advanced and select to restore only the C partition.

8. When prompted to reboot the computer, press CTRL+ALT+DEL and follow any instructions that appear.

You can find more details about recovering the factory installation of Windows on the *Recovery CD*: the file readme.txt is in the CD's root directory.

Specifications and Regulatory Information

## Hardware and BIOS Specifications

You will find detailed information about your computer's hardware and BIOS specifications in the *Reference Guide*. Because we are constantly improving our products, the specifications shown below are subject to change. For the latest specifications, go to the HP notebook web site (www.hp.com/notebooks).

## Safety Information

## Power cords

The power cord supplied with the notebook AC adapter should match the plug and voltage requirements for your local area. Regulatory approval for the AC adapter has been obtained using the power cord for the local area. However, if you travel to a different area or need to connect to a different outlet or voltage, you should use one of the power cords listed below. To purchase a power cord (including one for a country not listed below) or a replacement AC adapter, contact your local Hewlett-Packard dealer or sales office. For any power cord with a fused plug, if you have to replace the fuse, be sure to install an approved fuse.

Country	Rated Voltage and Current	HP Part Number
Canada Mexico Philippines Taiwan United States	125 Vac (3 A)	8120-6313
Europe Egypt Israel Saudi Arabia	250 Vac (2.5 A)	8120-6314
Hong Kong Singapore United Kingdom	250 Vac (2.5 A)	8120-8699
Australia New Zealand	250 Vac (2.5 A)	8120-6312
Japan	125 Vac (3 A)	8120-6316
India	250 Vac (2.5 A)	8121-0702
South Africa	250 Vac (2.5 A)	8120-6317
Argentina	250 Vac (2.5 A)	8120-8367
Chile	250 Vac (2.5 A)	8120-8452
People's Republic of China	250 Vac (2.5 A)	8120-8373

# Specifications and Regulatory Information Safety Information

## Battery safety

Note	The following batteries are compatible only with selected HP notebook computers: – HP F2109/NiMH – HP F2024A/LiIon 9-cell – HP F2193/LiIon 6-cell While your computer may be shipped with any of these batteries, only the HP F2024A/LiIon 9-cell battery is available as a replacement after purchasing your notebook.
	• To avoid risk of fire, burns, or damage to your battery pack, do not allow a metal object to touch the battery contacts.
	• The battery pack is suitable for use only with compatible HP notebook models. Check the "Support and Service" section of this <i>Startup Guide</i> for your local HP contact.
	• Do not disassemble. There are no serviceable parts inside. Do not dispose of the battery pack in fire or water.
	• Handle a damaged or leaking battery with extreme care. If you come in contact with the electrolyte, wash the exposed area with soap and water. If it contacts the eye, flush the eye with water for 15 minutes and seek medical attention.
	• Do not expose the battery pack to high storage temperatures, above $60^{\circ}$ C (140° F).
	<ul> <li>When discarding a battery pack, contact your local waste disposal provider regarding local restrictions on the disposal or recycling of batteries.</li> </ul>
	• To obtain a replacement battery, contact your local dealer or HP sales office.
	• Do not charge the battery pack if the ambient temperature exceeds $45^{\circ}$ C (113° F).
	• When discarding a battery pack, contact your local waste disposal provider regarding local restrictions on the disposal or recycling of batteries.
	NL Batterij niet weggooien, maar inleveren als KCA.

### Specifications and Regulatory Information Safety Information

## Laser safety

The CD-ROM and DVD drives used with the HP notebook PC are certified as Class 1 laser devices according to the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard and International Standards IEC 825 / IEC 825-1 (EN60825 / EN60825-1). These devices are not considered harmful, but the following precautions are recommended:

- Ensure proper use by reading and following the instructions carefully.
- If the unit requires service, contact an authorized HP representative—see the "Support and Service" section of this *Startup Guide*.
- Do not attempt to make any adjustment of the unit.
- Avoid direct exposure to the laser beam—do not disassemble the drive.

CLASS 1 LASER PRODUCT LASER KLASSE 1

## **Regulatory Information**

This section presents information that shows how the HP notebook PC complies with regulations in certain regions. Any modifications to the computer not expressly approved by Hewlett-Packard could void the authority to operate the HP notebook PC in these regions.

## U.S.A.

This computer has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This computer generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this computer does cause harmful interference to radio or television reception (which can be determined by removing the unit's batteries and AC adapter), try the following:

- Reorienting or relocating the receiving antenna.
- Relocating the computer with respect to the receiver.
- Connecting the computer's AC adapter to another power outlet.

### **Connections to Peripheral Devices**

To maintain compliance with FCC Rules and Regulations, use properly shielded cables with this device.

For more information, consult your dealer, an experienced radio/television technician, or the following booklet, prepared by the Federal Communications Commission: *How to Identify and Resolve Radio-TV Interference Problems*. This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4. At the first printing of this manual, the telephone number was (202) 512-1800.

#### **Declaration of Conformity (U.S.A.)**

Responsible Party:	Hewlett-Packard Company Manager of Corporate Product Regulations 3000 Hanover Street Palo Alto, CA 94304, U.S.A. +1 (650) 857-1501
declares that the	

	nat the product
Trado namo:	Howlett Backard Company

fraue fiame.	newiell-Packaru Company
Product name:	Notebook PC
Model Number(s):	Omnibook XE3 (OB XE3), Pavilion N5 <i>D</i> series Notebook PC ( <i>D</i> is any number 0–9)

complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- 2. This device must accept any interference received, including interference that may cause undesired operation.

## Canada

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes : (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit étre prét à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif. Specifications and Regulatory Information **Regulatory Information** 

## European Union

The equipment has been approved in accordance with Council Decision 98/482/EC for pan-European single terminal connection to the public switched telephone network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point.

In event of problems, you should contact your equipment supplier in the first instance.

This equipment has been designed to work in all of the countries of the European Economic Area (Public Switched Telephone Networks). Network compatibility is dependent on internal software settings. Contact your equipment supplier if it is necessary to use the equipment on a different telephone network. For further product support, contact Hewlett-Packard at the phone numbers provided in your *Reference Guide*.

**Belgium:** For outdoor usage only channels 10 (2457 MHz) and 11 (2462 MHz) is allowed. For private usage outside buildings across public grounds over less than 300m, no special registration with IBPT/BIPT is required. Registration to IBPT/BIPT is required for private usage outside buildings across public grounds over more than 300m. An IBPT/BIPT license is required for public usage outside building. For registration and license please contact IBPT/BIPT.

**France:** Restricted frequency band: only channels 10 and 11 (2457 MHz and 2462 MHz respectively) may be used in France. License required for every installation, indoor and outdoor installations. Please contact ART for the procedure to follow. Use with outdoor installations not allowed.

**Germany:** License required for outdoor installations. Check with reseller for procedure to follow.

**Netherlands:** License required for outdoor installations. Check with reseller for procedure to follow.

Italy: License required for indoor use. Use with outdoor installations not allowed.

Specifications and Regulatory Information Regulatory Information

## Japan

この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準 に基づくクラスB情報技術装置です。この装置は、家庭環境で使用すること を目的としていますが、この装置がラジオやテレビジョン受信機に近接して 使用されると受信障害を引き起こすことがあります。

取り扱い説明書に従って正しい取り扱いをして下さい。

### Japan Telecommunications Approval

JATE approval number: A00-0143JP, A00-0434JP

Name of Equipment: T18M038.00, T18N040.00

## Russia

Продукт сертифицирован в системе ГОСТ Р Модем сертифицирован в системе ЭЛЕКТРОСВЯЗЬ





## International

Products sold internationally by Hewlett-Packard and its authorized dealers meet the specifications listed on the following pages.

### Specifications and Regulatory Information **Regulatory Information**

Declaration of Conformity (according to ISO/IEC Guide 22 and EN 45014)

Manufacturer's Name:	Hewlett-Packard Company
Manufacturer's Address:	Hewlett-Packard Company Mobile Computing Division 19310 Pruneridge Ave. Cupertino, CA 95014, U.S.A.
declares that the following produ	ct
Product Name:	Notebook PC
Model Numbers:	Omnibook XE3 (OB XE3), Pavilion N5D series Notebook PC (D is any number 0–9)
Product Options:	All
conforms to the following produc	t specifications
Safety:	IEC 950: 1991 +A1,A2,A3,A4 / EN 60950: 1992 +A1,A2,A3,A4,A11 IEC 60825-1: 1993 +A1/EN60825-1: 1994 +A11 Class 1 (LED) GB4943-1995
EMC:	CISPR 22: 1997 / EN 55022: 1998 Class B [1] CISPR 24:1997 / EN 55024: 1998
	IEC 61000-3-2:1995 / EN 61000-3-2:1995 +A1: 1998 +A2: 1998 IEC 61000-3-3:1994 / EN 61000-3-3:1995 GB9254-1988 FCC Title 47 CFR, Part 15 Class B/ANSI C63.4: 1992 AS/NZS 3548: 1995 Rules and Regulations of Class
Telecom:	TBR 21: 1998, EG 201 121: 1998
Supplementary Information:	The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC, amended by 92/31/EEC & 93/68/EEC, and the R&TTE Directive 1999/5/EC (Annex II) and carries the CE marking accordingly.
	[1] The product was tested in a typical configuration with Hewlett-Packard Personal Computer peripherals.
	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
	The HP F1454A and F1781A ac/dc adapter used with this product is designed to operate on all power systems, other than IT power systems.
Corvallis, OR, July 1, 2001	GUREN

CE

Olerta Curt-

Jerry Erickson, R&D Product Execution Manger

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