
HP OmniBook 800

Getting Started

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Starting Out with Your
OmniBook

Starting Out with Your OmniBook



Congratulations! Your OmniBook sets a new standard in personal computing. Although it's compact and easy to carry, the OmniBook is equipped with a full-size keyboard, its own built-in mouse, and Microsoft® Windows®95. In addition, your OmniBook has been specifically designed for ease of use on the road. It features “instant-on” power that immediately restores your last screen. And the OmniBook is infused with the quality and attention to detail that are the hallmark of Hewlett-Packard.

This OmniBook *Getting Started* manual shows how to start using your OmniBook. It also shows what to do if you run into trouble getting started. You also have an *Introducing Windows 95* manual to help you start using Windows 95.

Your OmniBook provides these additional manuals:

- The online OmniBook *User's Guide* : This introduces the OmniBook and shows you how to operate and maintain your OmniBook. It also contains troubleshooting information. Hold down FN and press F5 (FN+F5)—or look in the OmniBook Library.
- The *Introducing Microsoft Windows 95* manual: This is shipped with your OmniBook and contains information about using the standard features of Windows 95.
- The online *Windows Quick Start* and *MS-DOS Quick Start* manuals: These are in the OmniBook Library group for Windows 3.1 and 3.11.

Setting Up

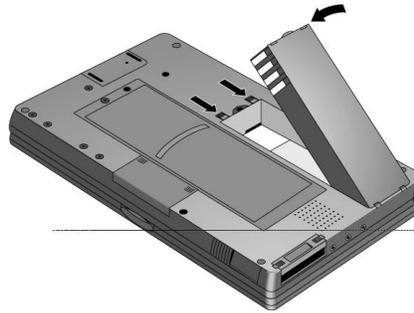
To start working with your OmniBook the first time, you have to make the following preparations—they're described in detail on the following pages:

1. Install the battery.
2. Connect the ac adapter and start charging the battery.
3. Open the OmniBook.
4. Press the reset button on the side.
5. Adjust the display.
6. Pop out the mouse. (The mouse is PS/2-compatible and is replaceable.)
7. Plug in the floppy drive.
8. Go through the setup screens and install the operating system.

1. Install the battery pack.

See “Battery Safety” in chapter 3 for the proper handling of batteries.

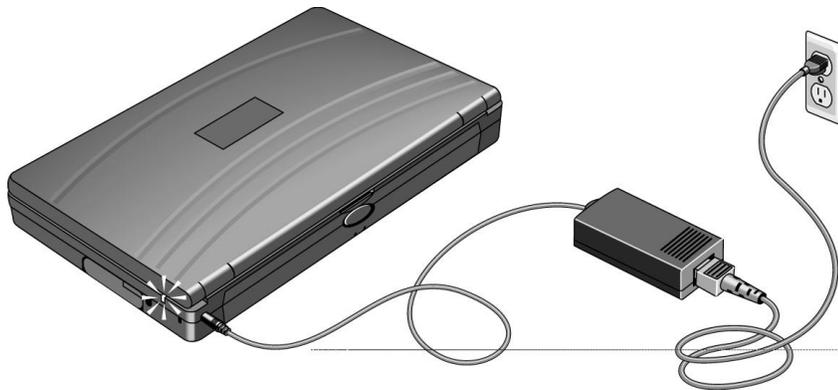
1. Lay the battery pack into the battery compartment. The metal battery contacts on the pack mate with contacts in the compartment.
2. Close the two latches.



The battery pack contains rechargeable batteries. The first time you use your OmniBook, you should charge the battery for 1 or 2 hours before operating solely on battery power. However, you can operate immediately with the ac adapter plugged in—see the next section.

2. Connect the ac adapter and start charging

- Plug the power cord into the ac adapter, then into a grounded ac outlet.
- Plug the connector from the ac adapter into the socket at the right-rear corner of the OmniBook.



The Charging Light

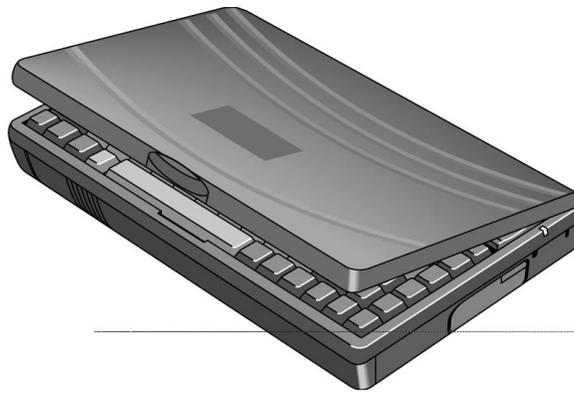
Color	Meaning for Battery
Off	Not charging (no power connection).
Green	Charged 90% - 100%.
Orange	Charging.
Red	Bad battery or missing battery.

CAUTION

Use the ac adapter shipped with the OmniBook (HP part number F1044B or other Hewlett-Packard adapter intended for use with the OmniBook 800). *Using any other adapter could damage the OmniBook and void your warranty.* Always plug the ac adapter into a grounded outlet. Also, the adapter plug has negative polarity —the inner contact is negative, and the outer is positive. This is different from many other adapters.

3. Open the OmniBook

- Press the center latch and lift the lid to open the OmniBook.



4. Reset the OmniBook

- Press the reset button: Insert a pen tip or bent paper clip into the small opening marked "RESET" on the right side of the computer. Press the red button for 1 to 2 seconds. The OmniBook may take half a minute or more to restart (reboot).



Starting Out with Your OmniBook Setting Up

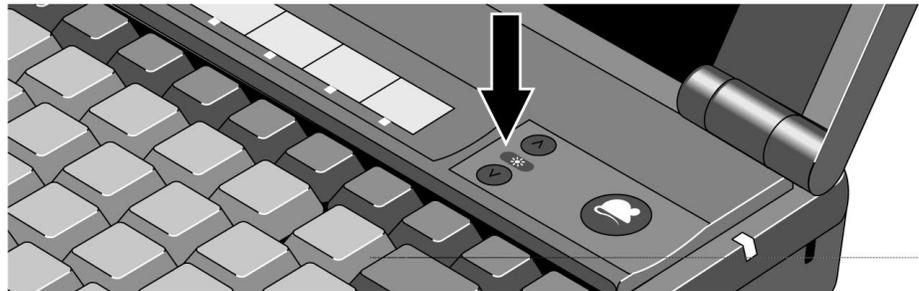


Pressing the reset button is similar to turning off a PC's power, then turning it back on again. After this first time, you should not need to press the reset button often.

If you have an OmniBook floppy drive attached when you reset the OmniBook, make sure there's no disk in the drive (unless you set the option in the System Configuration Utility to boot only from the hard drive). As on a PC, if there's a disk in the floppy drive, the OmniBook looks there first for its startup files.



5. Adjust the display



Some OmniBook models have just a brightness control, while others have both brightness and contrast controls.

- If there is only a brightness symbol: Press the \wedge and \vee buttons above the keyboard to adjust the brightness.
- If there is a gray contrast symbol and an orange brightness symbol: Press the \wedge and \vee buttons above the keyboard to adjust the contrast. Hold down the (orange) FN key and press the same two buttons to adjust the brightness.

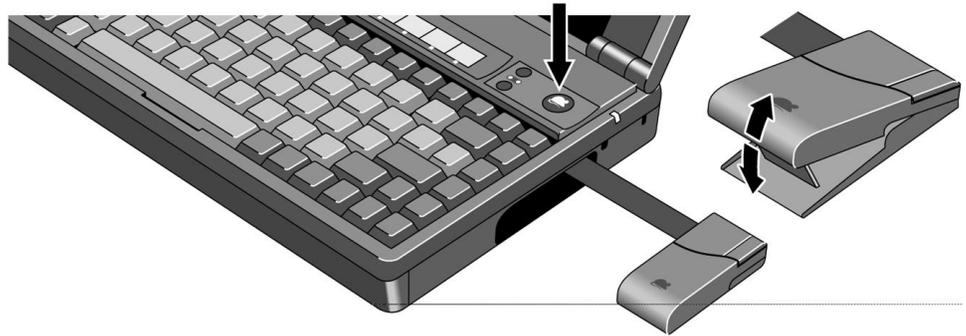
Note

Keep in mind that a higher brightness setting gives a shorter battery operating time—because the internal light is using more power. This may affect the operating time by as much as 1 hour or so. (The contrast setting doesn't affect the operating time.)

When you turn on your OmniBook, the display usually takes 1 minute or more to reach its normal brightness. The cooler the environment, the longer it takes.

6. Pop out the mouse

1. Press the round mouse-eject button in the upper-right corner of the keyboard.
2. Firmly pull the mouse out past the first resistance to its full extended position—about 3 inches (8 centimeters).
3. Lift the near end of the mouse—it pops up for a more comfortable shape.
4. Although the arm limits the *physical* extension of the mouse, it does not limit the travel of the pointer, as you will see. Just by pushing or pulling on the pointer, the pointer will continue to travel.



The mouse is extremely sturdy. Its flexibility allows it to withstand bending and accidental bumps without breaking.

To store the mouse

1. If the mouse is popped up, press inward on the support arm and press the raised end of the mouse downward to collapse it.
2. Gently push the mouse into the case opening until it latches.

To replace the mouse

1. Tug sharply on the mouse to remove it and its arm from the computer.
2. Slip the arm of the new mouse into the slot inside the mousehole on the computer. Push the arm in and force it past the first resistance.

7. Plug in the floppy drive

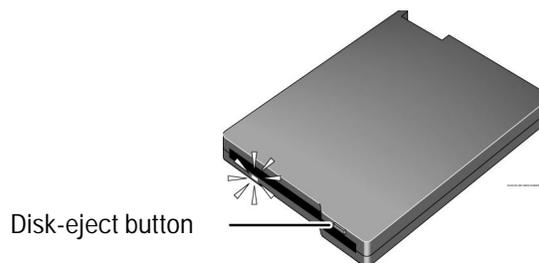
1. Find the floppy-drive cable included with the OmniBook.
2. Plug the larger plug (pinching its tabs) into the back of the floppy drive.
3. Plug the smaller plug into the floppy-drive port at the back of the OmniBook.



Hint

When possible, plug in the OmniBook ac adapter while you're using the floppy drive. This prevents the battery from running down.

- When unplugging the cable, pinch the two tabs on the plug.
- The plug-in floppy drive accepts 3.5-inch disks (1.44 MB and 720 KB).
- There are two models of this drive: the one *not pictured* has the disk-eject button *on top* of the drive.



CAUTION

Always wait until all disk activity stops (the Busy light is off) before ejecting a disk or unplugging a cable.

8. Set up and install the operating system

When your OmniBook starts up the first time, it takes you through a series of setup screens, including installation of the operating system. (If you have a docking system, you should *not* have it docked during the installation of the operating system.)

NOTE

This product offers a choice between two Microsoft operating systems:

Windows 95, or

Windows for Workgroups. (See the steps below.)

As part of the setup procedure, you must make a *one-time, final* selection of the operating system you want to use. Once made, this selection can be changed *only* by purchasing new copies of DOS 6.22 and Windows 3.1 or 3.11. (Windows95 is included on the *Recovery* CD ROM.)

To install Windows for Workgroups (Windows 3.11)

CAUTION

When prompted to do so, it is important that you make back-up installation disks for MS-DOS and Windows for Workgroups. This will require 12 floppy disks for English. (The back-up program will format the disks.)

You will need these installation disks to install certain drivers (such as printers and networks), as well as to recover your operating system in case of a failure. If you do not make these disks, you will need to purchase your own copies of MS-DOS 6.22 and Windows 3.11. (You can make these back-up disks at any time from the icon in the Windows OmniBook group.)

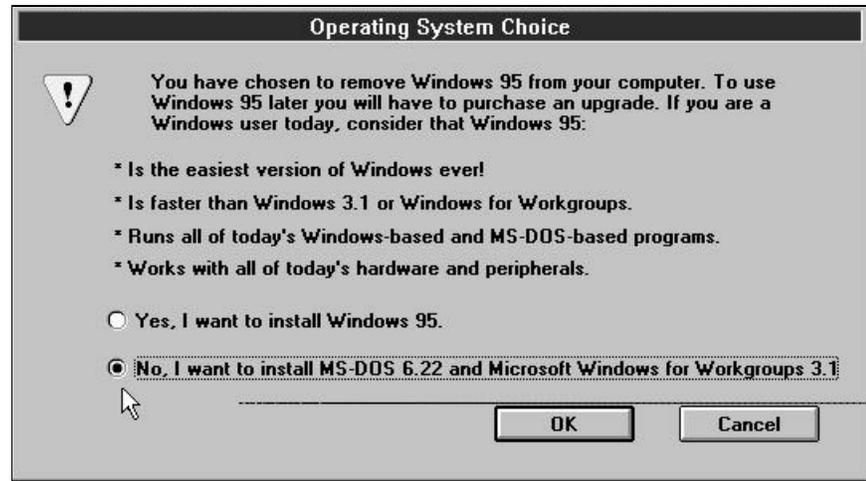
1. The Setup screens are labeled Windows 95, but they are for Windows for Workgroups, too. After you accept the License Agreement and enter the Product ID (printed on the Certificate of Authenticity on the Microsoft *Introducing Windows95* book), you will see the Windows Version screen.
2. In the Windows Version screen, click the Change button.



Starting Out with Your OmniBook
Setting Up

3. Choose the following option, then click OK:

No, I want to install MS-DOS 6.22 and Microsoft Windows for Workgroups 3.1



4. When you are done with this installation, you should swap the icon-label strip that slips into place at the top of the keyboard above the F1–F12 keys. Two strips are provided with your computer, but the one pre-inserted is for Windows 95. (The assignments for the F1–F12 keys differ between Windows for Workgroups and Windows 95.)

To install an alternate operating system

You provide the software to install the alternate operating system. You will need OmniBook-specific drivers, which we provide. The drivers for alternate operating systems are on the *Recovery* CD ROM, under OMNIBOOK\DRIVERS\WINNT and OMNIBOOK\DRIVERS\OS2. *Different versions of an operating system require different drivers*, so make sure to select the appropriate driver.

You can also find the drivers on the OmniBook's hard drive under C:\OMNIBOOK\DRIVERS.

CAUTION

Before you start installing a new operating system, make sure the drivers you need will be accessible after the installation .

If you do not have a CD-ROM drive, then copy the drivers you need from the Omnibook directory of the hard disk to a floppy disk. Alternatively, check our World-Wide Web site (<http://www.hp.com/go/omnibook>) for the drivers.

1. Install your alternate operating system.
2. If you have a CD-ROM drive, connect it according to the instructions for your operating system. This gives you access to the information on the *Recovery* CD. Otherwise, use the floppy disk you made per the Caution above.
3. Load the drivers you need from the *Recovery* CD or from a floppy disk onto the hard-disk drive. Each driver includes instructions for installing it.

Where to Go from Here

You can probably start using your OmniBook immediately, especially if you're familiar with personal computers, or if you've already worked with Microsoft Windows. Still, your OmniBook is designed as a compact, mobile computer—so it has a few useful features that you don't normally find on a desktop PC. Take a few minutes to explore them.

See the Online Documentation

For detailed information about the OmniBook, see the online *User's Guide*. (Press FN+F5 or open the online OmniBook Library.) Also see the other online information in the online OmniBook Library.

Check OmniBook Notes

For late-breaking information available after the manuals were completed, see OmniBook Notes in the online OmniBook Library (click Start, Programs, OmniBook Library).

Visit Our Web site

For updates to the BIOS and other technical information, connect to our World-Wide Web site on the Internet at <http://www.hp.com/go/omnibook>

Special Features

- Instant On and power shut-down.
- Using the back panel.
- Using hot keys as shortcuts.
- Using the System Configuration Utility.
- Using the *Recovery CD*.
- Using a docking system.
- System resources.
- Replacing the hard-disk drive.

Instant On and Power Shut-Down

- To turn the OmniBook on or off, press the blue On/Off key located at the upper right-hand corner of the keyboard. This controls “instant on”, a feature that retains your current work session when you press Off.

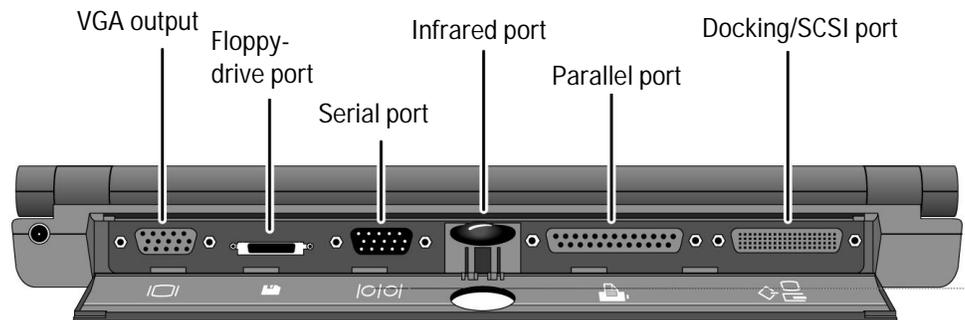


The On/Off key turns the display off and suspends electronic activity. When you turn the OmniBook back on again, it comes back exactly where you left it! You don't have to worry about losing information when you turn off the power.

- *The On/Off key does not shut off all power or reset the components.* If you want to shut off all power and reset all components, then close all applications, exit Windows, and press CTRL+ALT+OFF.

Using the Back Panel

When you open the panel on the back edge of the OmniBook, you will see these ports:



Using Hot Keys as Shortcuts

The following key sequences provide shortcuts to the given features.

FN+ESC	Display or hide the Status Panel.
FN+Home, End, PgUp, or PgDn	Move the Status Panel to another corner.
FN+▲ and FN+▼	Increase and decrease the master volume.
FN+SPACE	Turn master volume on or off.
FN+▶ and FN+◀	Adjust the beeper mix/volume.
^ and v (near the mouse button)	Increase and decrease contrast (DSTN display) or increase and decrease brightness (TFT display).
FN+^ and FN+v	Increase and decrease brightness (DSTN display).

Using the System Configuration Utility

The System Configuration Utility (SCU) provides access to basic configuration settings. It is independent of the operating system.

To run the System Configuration Utility

1. Close all programs and re-start the OmniBook: press the Reset button or press CTRL+ALT+DEL.
2. At the message <F2> to enter System Configuration Utility , press F2 to open the SCU. *The mouse is not active in the SCU.* The main screen shows you the status of the
 - Devices. Hard drive, serial port, IR port, parallel port, audio port.
 - System. CPU type and clock speed.
 - Memory. Base, extended, shadow, reserved, total RAM, cache.
3. Press ALT for menus, and use arrow keys, spacebar, ENTER, and ESC to navigate and select options. The Defaults menu can restore the original default settings or the settings in effect prior to opening the SCU.
4. After making the selections you want in the menus, exit the SCU by pressing ALT+X for the Exit menu.

Starting Out with Your OmniBook
Special Features

The System Menu of the SCU

Date and Time...	Sets date and time for the OmniBook.
Boot Devices...	
Boot Device	<ul style="list-style-type: none"> • "FDD First" is the typical PC boot, where drive A is searched first for an operating system, then drive C. • "HDD Only" boots the computer from drive C only. Provides protection from boot-sector virus.
Fast Boot	Accelerates the boot process by skipping the RAM test.
Boot Configuration	<ul style="list-style-type: none"> • "Auto-detect" detects the current operating system and boots the appropriate configuration. • "Full" configures all Plug 'n' Play devices, such as needed for DOS or Windows 3.x. • "Boot Devices Only" configures just the keyboard, display, and disk, such as needed for Windows 95.
Force PCI Bridge Configuration	Necessary for proper installation of Windows NT version 3.51.
Docking Messages	On or off. Provides prompts during docking and undocking.
Passwords...	<ul style="list-style-type: none"> • "Password options" controls when passwords are required. See "Using a Password" in the online <i>OmniBook User's Guide</i>. • "Set Admin password" controls access to an administrator independently of the main user. The administrator password provides access to everything the user password does, plus can restrict access to PC ID changes. • "Set User password" controls access to a user independently of a systems administrator. <i>If the administrator password is required to save PC ID changes, then the user password is not sufficient.</i>
PC Identification...	Four text strings for name, company, address, phone, etc.
Enable Cache	Enables faster performance by reallocating memory.
Status Panel Enable	Displays status panel.
Status Panel Settings...	<ul style="list-style-type: none"> • "Status Panel Position" picks a corner for the status panel. • "Items to Show in Status Panel": Battery, keyboard, hard drive.

The Input/Output Menu of the SCU

COM Port...	Serial Port addresses and interrupts.
LPT Ports...	Printer Port addresses and interrupts.
LPT Type...	Standard AT (Centronics) or Bi-directional (PS/2).
Keyboard Setup...	<ul style="list-style-type: none"> • "Key Delay": How long a key must be held down before characters start repeating. • "Key Repeat Rate": Once repeating starts, how many characters per second are repeated. • "Keyboard Numlock" sets whether Num Lock (Nm Lk) is on or off at boot-up (system restart).
External Devices...	<ul style="list-style-type: none"> • "VGA Display device". If you have an external display connected, you can choose to have the display appear on <i>just the external display</i>, or on <i>both the external and the OmniBook displays</i>. • "Force recognition of external VGA". If the OmniBook does not recognize your external display, this setting will force it to. • "Enable External FN Key". If an external keyboard <i>without</i> an FN key is connected, then pressing CTRL+ALT on the external keyboard is equivalent to pressing FN on the OmniBook keyboard. • "Ignore External Pointing Device". If you want to use the internal mouse while an external mouse is connected, turn this setting on.
Audio Port...	<ul style="list-style-type: none"> • "Basic Audio". If you have a sound board installed in a docking system, turn on Disable Internal to disable the OmniBook's internal sound chip. Beeper Volume and Audio Volume control the master volume levels for the beeper and the sound speaker. • "Advanced Audio". For a given Audio address, you can specify an IRQ (interrupt value) and a DMA (direct memory access) channel.
Enable IrDA IR	Toggles IR port on and off.

The Power Menu

Power Controls...	<ul style="list-style-type: none"> • "CPU Power Management". Choose "Maximum" for greatest power savings. "None" prevents automatic power-down of the hard-disk drive. • "Auto Turn Off w/ Batteries" and "HDD power-down w/ Batteries". Automatic turn-off times when batteries are supplying the power. • "Auto Turn-Off w/ A/C". Automatic turn-off time when using ac power. • "Port Activity". Activity of any of the checked ports prevents automatic turn-off.
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Using the Recovery CD

Your OmniBook package includes a *Recovery* CD ROM and a *Support Utilities* floppy disk. These media have two main uses:

- **Recovery** . You can reinstall the Windows 95 operating system and/or original HP software (such as the Appointment Book and the online *User's Guide*). See page 2-6.
- **Installation of alternate operating systems** . If you own and want to install software for another operating system, you will also need the HP OmniBook drivers. You can also load HP OmniBook-specific software. See page 1-13.

Refer to the README text file on the *Recovery* CD and the *Support Utilities* disk for instructions on carrying out a recovery or installation.

Contents of the *Recovery* CD

Directory	Contains...
README.TXT text file	Instructions for using the <i>Recovery</i> CD.
RECOVER	
ENC	Encrypted Microsoft Windows 95 recovery files. (Usable only in conjunction with the <i>Support Utilities</i> disk.)
BOOTDISK	For creating your own copy of a boot disk (like the <i>Support Utilities</i> disk). You will need to edit the resulting boot disk if you are <i>not</i> using a SCSI CD-ROM drive for the <i>Recovery</i> CD.
FILE.CHK	Checksum program.
README text file	Same as README.TXT
OMNIBOOK	
HPADDON.WFW	For Windows 3.1 and Windows for Workgroups: Use for the easiest setup after installing Windows for Workgroups. Installs necessary drivers and optional OmniBook software.
HPUTILS	For Windows 3.1, 3.11, and 95: Use to pick and install optional HP OmniBook applications, including Appointment Book, Phone Book, Calculator, the online <i>User's Guide</i> , OmniBook Tools, Diagnostics, and icon-strip printing.
DRIVERS	Installs audio, video, SCSI, and PC-Card (PCMCIA) drivers for various operating systems (MS-DOS, OS/2, Windows of all types). Look for the specific driver for the specific version of your operating system.
MANUALS	User's guides under \W95 and \WFW. Not recommended for installation.

Using a Docking System

If you will be setting up a desktop work area with your OmniBook, consider using an HP Docking System for the OmniBook 800. External devices, such as a larger display, a full-sized mouse, a printer, a floppy-disk drive, or a CD-ROM drive, can remain connected to the docking system for desktop use. The OmniBook itself is then easily disconnected from the docking system whenever you want to take the OmniBook with you.

Refer to the Docking System's user's guide for instructions on its use.



System Resources

Interrupt Capabilities (IRQs)

0	System timer
1	Keyboard
2	2nd 8259
3	COM2 or COM4 serial port, PC Card*
4	COM1 or COM3 serial port, PC Card*
5	LPT2 parallel port, PC Card*, Audio
6	Floppy drive
7	LPT1 parallel port (default), PC Card*, Audio
8	Real-time clock
9	PC Card*, Audio
10	PC Card*, SCSI (default), Audio
11	PC Card*, SCSI, Wave 2
12	Pointing device
13	Math co-processor
14	Hard disk
15	PC Card*, IrDA, Wave 2, Docking/PCI slot

* The PC Card's IRQ depends on the card. The default for PC Card status is no IRQ.

DMA Channel Capabilities

0	Wave 2, Audio
1	Audio (default)
2	Floppy drive
3	ECP parallel port, Audio
4	
5	Wave 2 (default)
6	Wave 2

Memory Map

F000-FFFF	System BIOS
EC00-EFFF	PCI BIOS
E900-EBFF	PnP BIOS
E800-E8FF	EPP BIOS
E600-E7FF	PnP ISA BIOS
D000-DFFF	UMB space, PC Card memory windows, buffers
CA00-CFFF	UMB space
C000-C9FF	VGA BIOS

I/O Addresses

60 and 64	Keyboard controller
70 and 71	RTC CMOS, bytes 0 to 127
74 and 76, re-mappable	RTC CMOS, bytes 128 to 255
220-22F <i>or</i> 240-24F <i>or</i> 250-25F <i>and</i> 300-301 <i>or</i> 310-311 <i>or</i> 320-321 <i>or</i> 330-331 <i>and</i> 388-38B	Sound
3F8-3FF	Serial COM1 port
2F8-2FF	Serial COM 2 port
3E8-3EF	Serial COM3 port
2E8-2EF	Serial COM4 port
3000-301F	IrDA
378-37F <i>and</i> 778-77A	Parallel LPT1 port in ECP mode
278-27F <i>and</i> 678-67A	Parallel LPT2 port in ECP mode
3F2-3F7 (primary)	Floppy drive
1F0-1F7 <i>and</i> 3F6-3F7 (primary)	Hard-disk drive

Replacing the Hard-Disk Drive

You normally don't remove drive C, the main internal disk (also called the "hard-disk drive"). The two main reasons to replace drive C are for upgrade and for repair.

CAUTION

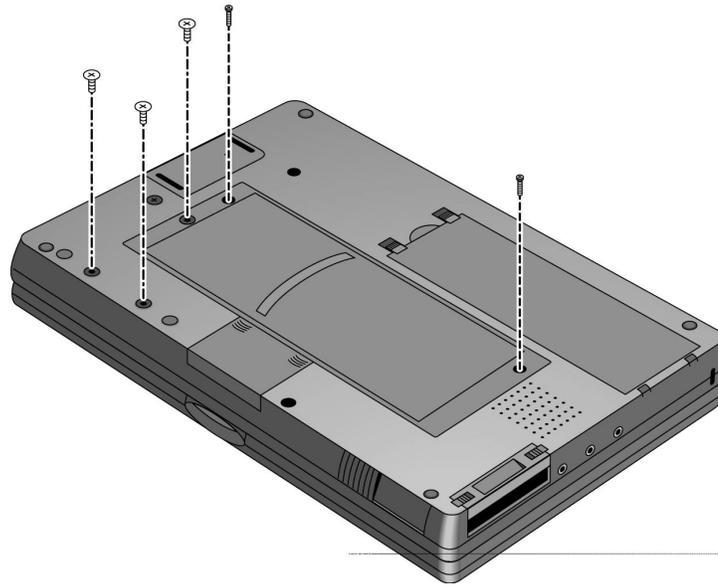
Back up your files before replacing the drive.

Take precautions against damage from static electricity. Gather all the parts you need so you can complete the installation in one sitting. Don't remove the drive from its packaging until you're ready to insert it.

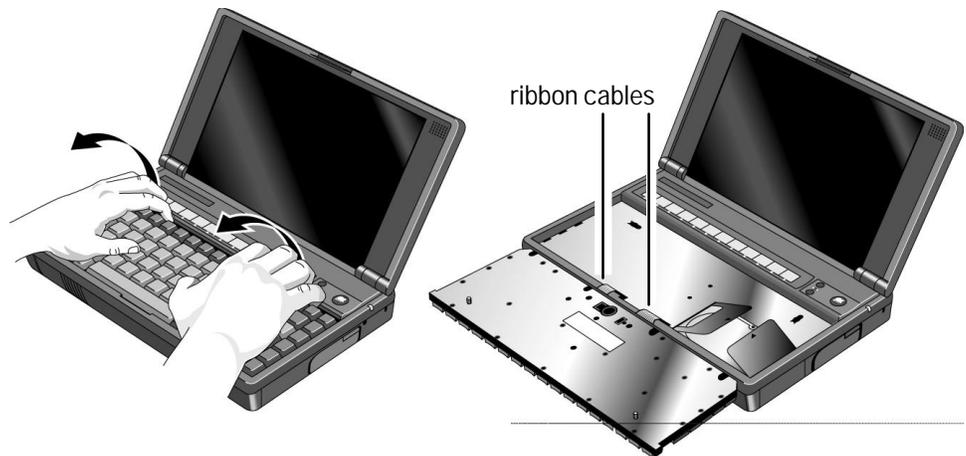
When you remove the drive from its packaging, hold it only by its edges.

Turn off the computer, unplug the ac adapter, and remove the battery before removing the hard drive. Otherwise, the OmniBook or the hard drive may be damaged.

1. Back up all the files on your current drive C. You can back up the files to a tape drive, a network drive, a PC card, or a floppy disk. In Windows95, use the Backup utility (Start, Programs, Accessories, System Tools, Backup, Backup tab). In Windows for Workgroups, you must back up individual files (File Manager) or use a commercial back-up program.
2. *Important:* Turn off the unit, unplug the adapter, and remove the battery.
3. Close the cover and turn your computer over. Using a Torx-T6 screwdriver, remove the five screws holding the hard drive and the keyboard in place (the exact locations vary with the type of hard drive).



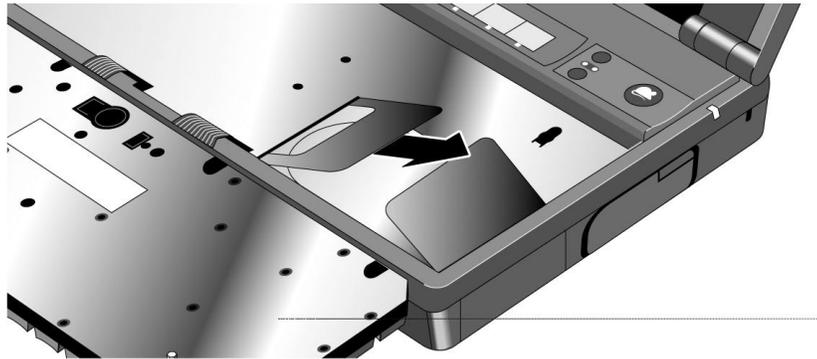
4. Remove the keyboard by inserting your fingertips between the top row of keys (the F keys) and the case and then lifting. Then fold the keyboard *gently* forward so that it lies upside down on the table. *Do not pull up on the keyboard. Keep the ribbon cables tucked in the case, otherwise you will need to tuck them back in with a paper clip. Do not pick up the computer while the keyboard is out.*



Starting Out with Your OmniBook
Special Features

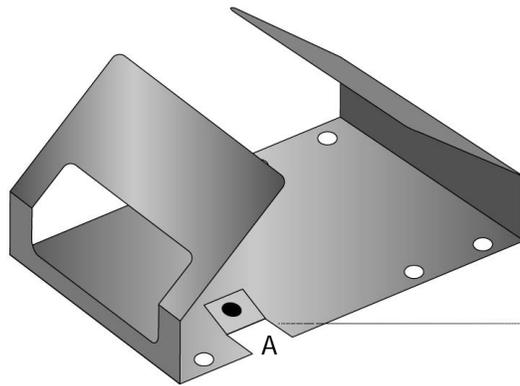
5. CAUTION: handle the hard drive only by its edges to avoid damage from electrostatic discharge .

Disengage the hard drive connectors by grasping the left flap of the plastic insulator and pulling to the right as shown. Lift up on the insulator sheet and remove the hard drive. The insulator sheet stays in place.

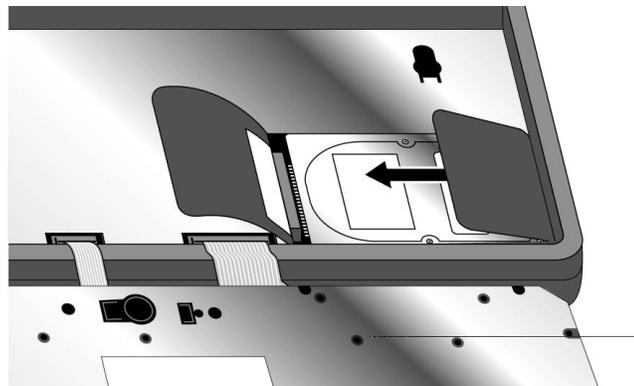


6. If your new hard drive is from a different manufacturer than the old one, it may have screws in different positions. Determine which mounting holes you need; then, if necessary, push out rubber screw-hole covers from the inside using a bent paper clip. (From the outside of the computer, insert the rubber covers into the holes you won't need.)

If your new hard drive has screws in different positions from the old one, you will also need to adjust the insulator sheet. Compare the location of the screw-holes in the new hard drive with those in the insulator sheet. If there is *no* screw at position A, then *unfold* the flap at position A, and lay it flat before laying the hard drive down on the insulator.

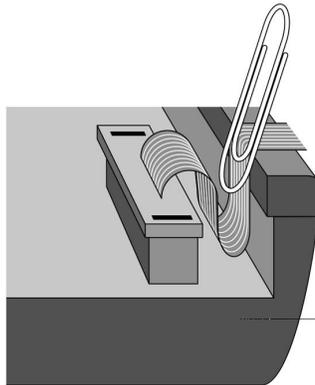


7. Holding the new hard drive by its edges, lay it in place. Grasp the right flap of the insulator and pull to the left to engage the connection between the hard drive and the computer. *Do not push down on the hard drive.* If the hard drive's connectors do not engage the computer's connectors, pull the hard drive back out and try again. Then fold the insulator sheet back over the hard drive.



Starting Out with Your OmniBook
Special Features

8. If the ribbon cables are no longer tucked into the frame, then push them back into the recessed openings with a paper clip, as shown below. Re-insert the keyboard by engaging the four front tabs on the keyboard into the four slots in the computer frame, pressing down on the keyboard as you insert the tabs. Make sure the ribbon cables slide into the recessed openings *and do not extend under the keyboard*.



9. Close the OmniBook, turn it over, and re-insert the five screws removed in step 3. *Do not over-tighten the screws*—screw just until you feel resistance.
10. Insert the battery. Connect the ac adapter.
11. Press the reset button.
12. Install Windows and the original software on the new drive C using the *Recovery* CD-ROM—see “If you need to reinstall Windows and original software” under Troubleshooting. Also check the README file for instructions.
 - There are different procedures for Windows95 and Windows for Workgroups.
 - For other operating systems, re-install the operating system from your own source first, then load the OmniBook-specific software.
13. Restore the files you backed up from the old drive C. In Windows95, use the Backup utility (Start, Programs, Accessories, System Tools, Backup, Restore tab).

———— Troubleshooting

Troubleshooting

If you run into problems getting your OmniBook started, you can use the troubleshooting suggestions in this chapter for getting back on track. If you have questions that this manual doesn't answer, try these other sources.

If the OmniBook will not run:

- Check the troubleshooting suggestions under “Solving Basic Problems.”
- Check with your computer system administrator, if you have one.
- Contact your dealer, or contact Hewlett-Packard—see the OmniBook *Support and Service* booklet or OmniBook Support in the online OmniBook Library.
- Find technical information about the OmniBook on the Internet. Visit the World-Wide Web support site at <http://www.hp.com/go/omnibook>

If the OmniBook does run:

- See the online OmniBook *User's Guide*—it's your main source of information about using the OmniBook. It includes extensive troubleshooting information.
- If you're having a problem within one particular application, check the manual for that application, too.
- Check the documentation for your operating system. (For Windows 95, check the printed *Introducing Microsoft Windows95* manual. For Windows for Workgroups, check the online MS-DOS and Windows manuals.)
- Look at the online Help for Windows and other applications.
- See other books about Windows, MS-DOS®, and other applications. Check your local library or bookstore.
- Find technical information about the OmniBook on the Internet. Visit the World-Wide Web support site at <http://www.hp.com/go/omnibook>

Solving Basic Problems

If your OmniBook has a problem starting, find the symptom below that matches your situation. Try the suggestions one at a time.

If the OmniBook turns off immediately after it turns on

- Battery power is probably extremely low. Plug in the ac adapter—or turn off the OmniBook and insert a fresh battery (see chapter 1).

If the OmniBook stops responding

- Try waiting a few moments, then try turning it off and on.
- Press CTRL+ALT+DEL to reboot.
- If nothing happens, insert a ball-point pen tip or other slender object into the reset-button hole in the right side of the case. Push in momentarily—the system should reset and reboot.

If the OmniBook doesn't turn on

- Connect the ac adapter in case the battery is low.
- Press On/Off to try turning on the unit.
- Try adjusting the display—press the ^ or v buttons above the keyboard several times or hold one of them down. Try holding the FN key at the same time.
- Insert a ball-point pen tip or other slender object into the reset-button hole in the right side of the case. Push in momentarily—the system should reset and reboot.
 - If you get no response, remove the battery, ac adapter, and all external devices, and wait 1 minute—then plug in the ac adapter and try resetting again. If you still get no response, the unit requires service.
 - If you get an error message during startup, see the next symptom.

If the OmniBook doesn't reboot successfully (Windows 95)

If your operating system is Windows 95

- If no text is displayed during reboot, or if the system stops before you see “Starting Windows 95...”, the unit might require service. Try rebooting again. You can try to start the System Configuration Utility (press F2 during reboot), then select Factory Default Settings from the Defaults menu, and then select Save from the Exit menu.
- If you see “Starting Windows 95...” during startup followed by error messages, reboot again—but when you see “Starting Windows 95...”, press F8 to get the startup menu. Choose a startup option that might help you discover or fix the problem.
 - Use the “safe mode” option to start Windows with a basic configuration. Run ScanDisk (in Start, Programs, Accessories, System Tools) to fix problems with drive C. You can also make other changes to repair your startup files.
 - Use the “step-by-step” option to step through each startup command to find where problems occur, so you can repair or restore any files indicated.
- If drive C (the hard disk) isn't working properly, insert the *Support Utility* floppy disk in the floppy drive, then press CTRL+ALT+DEL to reboot from drive A—then choose the Minimum Startup option. (Note that the System Configuration Utility must have System, Boot Devices set to boot FDD First.) At the MS-DOS prompt, type `scandisk c:` to fix certain problems with drive C. You can use other commands on drive A to try to repair drive C. Then remove the floppy disk and try rebooting again. If it still doesn't start, you could try reinstalling all of the original files on drive C—see “If you need to reinstall Windows95 and original software on drive C,” below.

If the OmniBook doesn't reboot successfully (Windows for Workgroups)

If your operating system is MS-DOS or Windows for Workgroups

- If no text is displayed, or if the system stops before you see any text about MS-DOS, the unit might require service. Try rebooting again. You can try to start the System Configuration Utility (press F2 during reboot), then select Factory Default Settings from the Defaults menu, and then select Save from the Exit menu.
- If you see error messages during startup, but Windows starts or you get an MS-DOS prompt, exit Windows (if necessary), and type `scandisk` to fix problems with drive C. Then press CTRL+ALT+DEL to reboot—but at the “MS-DOS Startup Menu,” press F8 ENTER and step through each startup command to find where the problem occurs. Repair or restore the necessary files as indicated.
- If you see text about MS-DOS but things stop before Windows starts or before you get an MS-DOS prompt, insert the *Support Utility* disk or other boot disk in the floppy drive, then press CTRL+ALT+DEL to reboot from drive A. (Note that the System Configuration Utility must have System, Boot Devices set to boot FDD First.) If the unit doesn't reboot from a floppy boot disk, the unit probably requires service.

If it reboots, type `dir c:` to see if drive C contains valid files. Then try the following:

- If drive C has valid files, try typing these commands:
`c:\dos\scandisk` (to repair any defects)
`sys a: c:` (to restore core MS-DOS files).
- Try typing each of these commands to see if it fixes the problem:
`fdisk /mbr` (to repair only the boot sector of drive C) and
`c:\dos\scandisk` (to repair any file defects).
- Last resort: The following commands delete all files on drive C, so try to back up your data files. You must reinstall your files after running these commands:
`fdisk` (to verify partitions on drive C)
`format c: /u` (to prepare drive C for storing data)
Then reinstall the operating system and the special drivers and software from the *Recovery* CD.

If you need to reinstall Windows95 and original software on drive C:

These steps will delete any software or files you may have installed or created on your hard disk since the original set-up.

The equipment you need are the OmniBook, its ac adapter, a floppy drive, and a CD-ROM drive (preferably SCSI-type). You also need the *Recovery* CD ROM and the *Support Utility* floppy disk. If you have a docking system, you can leave the OmniBook docked during most of this procedure.

1. Plug in the ac adapter to the OmniBook. Turn *off* the OmniBook.
2. Connect a SCSI CD-ROM drive (HP part number F1196A) to the OmniBook's docking/SCSI port according to the CD ROM drive's instructions. (This requires a special OmniBook-to-SCSI adapter cable, HP part number F1182A, unless you are using a docking system.) If you have a non-SCSI CD-ROM drive (parallel port or PC-card slot), read the README.1ST file on the *Support Utilities* disk.)
3. Turn on the CD-ROM drive and insert the *Recovery* CD-ROM —make sure you use the correct CD-ROM.
4. Connect the floppy drive to the OmniBook. Insert the *Support Utility* floppy disk into the floppy drive.
5. Reboot the computer from the floppy by pressing the reset button. (To reboot from the floppy drive, the System Configuration Utility must have System, Boot Devices set to FDD First.)
6. When you see a menu of startup options, select Reinstall All Original Files for Windows95. Follow the instructions and *do not interrupt the file-transfer process*.

When the process finishes, your hard disk contains the original files. *This process can take an hour or more.*

If you need to reinstall an alternate operating system and original software

To reinstall your original software files on another operating system besides Windows95 or Windows for Workgroups, repeat your original installation procedure (page 1-13).

If you need to reinstall Windows for Workgroups and original software

These steps will delete any software or files you may have installed or created on your hard disk since the original set-up. Back up what you would like to save.

The equipment you need are the OmniBook, its ac adapter, a floppy drive, and a CD-ROM drive (preferably SCSI-type). You also need the *Recovery* CD ROM and the *Support Utility* floppy disk. If you have a docking system, you can leave the OmniBook docked during most of this procedure.

1. Install DOS 6.22 (from back-up installation disks or from purchased software) onto drive C as follows:
2. Insert MS-DOS disk #1 into the floppy drive. Switch to drive A, then format drive C by typing `FORMAT C: /U`. If you cannot format the drive, type `FDISK C:` and choose option 1 to prepare the drive for formatting. Reboot the computer and follow the instructions in the display. Install the fourth disk separately: at the A: prompt, type `SETUP C:\DOS`. When prompted for installation choices, choose All Components, and choose the VGA display driver. Reboot when done.
3. Install Windows for Workgroups (from back-up installation disks or from purchased software) onto drive C as follows:
 - Insert disk #1 and type `A: SETUP`.
 - Choose the Express Setup.
 - *Select all defaults for this installation. Do not install any printers or networks. Install them after the rest of this installation is complete.*The installation does not use all of the Windows disks.
4. Connect a SCSI CD-ROM drive (HP part number F1196A) to the OmniBook's docking/SCSI port according to the CD ROM drive's instructions. (This requires a special OmniBook-to-SCSI adapter cable, HP part number F1182A, unless you are using a docking system.) If you have a non-SCSI CD-ROM drive (parallel port or PC-card slot), read the `README.1ST` file on the *Support Utilities* disk.)
5. Turn on the CD-ROM drive and insert the *Recovery* CD-ROM—make sure you use the correct CD-ROM.
6. Insert the *Support Utilities* disk into the floppy drive.
7. Exit Windows, if necessary, then reboot the OmniBook from the Support Utilities disk by pressing the reset button. (To restart from the floppy drive, the System Configuration Utility must have System, Boot Devices set to FDD First.)

8. Select the option Install Windows for Workgroups Drivers and HP Applications Software, which loads the special drivers you need with the OmniBook. It also loads OmniBook-specific software: the online User's Guide, the Appointment Book, the Phone Book, the HP Calculator, OmniBook diagnostics, OmniBook Tools, and the icon-print routine for shortcut key assignments.
9. Select the WfW Install option appropriate for your CD-ROM drive: SCSI port or PC-card slot/parallel port.

This re-installation process can take an hour or more. When the above installation is done, you can use Windows to add printers and enable networks.

If the Windows for Workgroups Setup (above) fails due to a problem with the display driver

- Specify VGA for the display driver.

If you need to recover the online User's Guide

- If you have deleted the online User's Guide but would like to re-gain access to it, you can re-install it from the *Recovery* CD ROM. Run OMNIBOOK\HPUTILADISK1\SETUP.EXE.

If the OmniBook doesn't turn on with a fresh battery

- If you replaced the battery after the OmniBook turned off due to a low battery, either plug in the ac adapter—or turn off the OmniBook, then hold F4 and press the On/Off key (F4+ON) to turn it on.

If your password doesn't work

- Check whether Num Lock (Nm Lk) is off. Try changing it.
- If you've forgotten your password, have your OmniBook at hand and call Hewlett-Packard at the phone number in the *Service and Support* booklet.

If the OmniBook beeps repeatedly

- If two beeps occur every 10 seconds or so, battery power is critically low and less than 2 minutes of operation remain. Plug in the ac adapter—or turn off the OmniBook and insert a fresh battery (see chapter 1).

If the screen is difficult to read

- Try adjusting the display—press the ^ and v buttons above the keyboard. Try holding FN and pressing one of the buttons.
- If the OmniBook is cold, allow it to warm up.
- Set the display resolution to its original setting: 800×600 (SVGA) and 256 colors, or set the lowest available setting. For Windows for Workgroups, use Display in OmniBook Tools. For Windows 95, use the Settings tab under Display in the Control Panel (under HP User Tools or under Settings).

If an external display won't turn on

- If the external display is unrecognized by the OmniBook, the computer will not send it video signals. However, you can force the computer to send these signals anyway. Open the OmniBook External Devices screen (Start, Settings, Control Panel, then OmniBook External Devices). Check the box that reads Force video signal to external display .

If the computer seems slow

- Check that Cache is enabled (in the System Configuration Utility, open the System menu and check Enable Cache).
- You might need to install more RAM. The memory-expansion boards are HP part numbers F1167A (8 MB), F1168A (16 MB), and F1169A (32 MB).

If the infrared connection does not work

- Try re-aligning the two devices to align their infrared ports. Make sure the two devices are no more than 1 meter apart.
- Check the settings in your communications software and in the OmniBook's IR Monitor. IrDA must be enabled.

If you cannot install Windows NT 3.51

- In the System Configuration Utility, under the System menu, Boot Devices..., enable the checkbox Force PCI Bridge Configuration.

Specifications, Regulatory,
and Safety Information

Specifications, Regulatory, and Safety Information

Your OmniBook is designed to provide trouble-free operation. The following suggestions can help you maintain its dependability:

- Observe the temperature limits and other specifications listed in the next section.
- Check out the tips about ergonomics and work habits.
- If you have problems, see the problem-solving suggestions in chapter 2 of this manual.
- If you think your OmniBook might need repair service, see the warranty and service information in the *Support and Service* booklet.

To contact Hewlett-Packard: If you have questions that this manual and the online OmniBook manuals don't answer (even after looking in the contents and index), you can contact Hewlett-Packard at the address or phone number listed in the *Support and Service* booklet or in OmniBook Support in the online OmniBook Library. Please have your OmniBook with you.

To clean the OmniBook: You can clean the OmniBook with a soft cloth dampened either in clean water or in water containing a mild detergent. Do not use an excessively wet cloth nor allow water inside the case. Do not use any abrasive cleaners, especially on the display. *Do not apply any cleaner directly to the display.* Instead, apply the cleaner to a soft cloth and then gently wipe the display. You can clean the keyboard with a vacuum cleaner to remove accumulated dust.

Hardware Specifications

Display	Backlit liquid-crystal display (LCD). Color SVGA (800 × 600). Accelerated PCI-bus video controller.
Keyboard	Enhanced PC functionality with compact layout. Full-sized keyboard with embedded numeric keypad. FN key.
Mouse	PS/2-compatible mouse.
Memory	RAM: 16 MB built in, expandable to 40 or 48 MB maximum (depending on the model).
Mass Storage	IDE hard disk drive: 810 MB or 1.44GB. Two card slots.
Sound System	SoundBlaster PRO-compatible stereo sound, microphone, speakers. Input jacks: microphone (monaural), line (stereo). Output jack: headphone or speakers (stereo).
Interfaces	Serial: one 9-pin 115,200-baud RS-232 port (with hardware handshaking). Parallel: one 25-pin bi-directional port. Infrared: one 4 Mbps IrDA II bi-directional port (fast IR). IrDA-compatible. VGA output: one 15-pin color-VGA port (up to 1024×768 pixels). Floppy drive: one custom floppy-drive port. Docking/SCSI-II port: one custom port for a docking system or a SCSI-adapter cable.
Card Slots	Electrical: PC Card Standard. Mechanical: PC Cards, types I, II, and III. Two type-II or one type-III PC-Card 2.1 slots.
AC Adapter	Input: 100 to 240 Vac (50 to 60 Hz). Output: 12 Vdc, 3.3 A. Operating temperature: 0 to 40°C (32 to 104°F).
Battery Pack	Voltage: 7.2 Vdc (Lithium-ion battery). Recharge time: up to 4 hours. Operating time from 100% charge: up to 3 hours. Maximum storage temperature: 60 °C (140°F).
Temperature	Operating: 5 to 40 °C (41 to 104 °F). Storage with data retention: 0 to 55°C (32 to 131 °F).
Humidity	Operating and storage: 90% relative humidity at 40 °C (104 °F) maximum.

Safety Information

Power Cord, Plug, and Voltage Requirements

The power cord supplied with the OmniBook 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 and 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 (HP part number F1044B), contact your local Hewlett-Packard dealer or Sales and Service office.

Power Cords			
Country	Rated Voltage and Current	AC Plug Type	HP Part Numbers
Canada	125–127 Vac (10 A)	NEMA 5-15P	8120-1348 (2.3 m)
Mexico			–or–
Philippines			8120-6260 (1.0 m)
Taiwan			
United States			
United States	250 Vac (6 A)	NEMA 6-15P	8120-0698 (2.5 m)
East and West Europe	250 Vac (10 A)	CEE 7-VII	8120-1689 (2 m)
Egypt			–or–
Saudi Arabia			8120-6262 (1.0 m)
Hong Kong	250 Vac (5 A)	BS 1363A	8120-1351 (2.3 m)
Singapore			–or–
United Kingdom			8120-6261 (1.0 m)
Australia	250 Vac (7.5 A)	AS3112	8120-1369 (2 m)
New Zealand			–or–
People's Republic of China			8120-6346 (1.0 m)
Switzerland	250 Vac (6 A)	SEV Type 12	8120-2104 (2 m)
Denmark	250 Vac (6 A)	Danish AFSNIT 107	8120-2956 (2 m)
Japan	125 Vac (12 A)	MITI 41-9682	8120-5342 (2.5 m)
	125 Vac (7 A)	MITI 41-7275	8120-6768 (0.2 m)
India	250 Vac (10 A)	IEC 83-B1	8120-4211 (2.0 m)
South Africa			

Battery Safety

- To avoid risk of fire, burns, or damage to your battery pack, do not allow a metal object to touch across the battery contacts.
- The battery pack is suitable for use only with an HP OmniBook 800 and, if desired, the HP F1063B battery charger.
- 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 lithium-ion 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 °C, 140 °F).
- When the battery is not in use, store it in the battery pouch provided.
- When discarding a battery pack, contact your local waste disposal provider regarding local restrictions on the disposal or recycling of batteries.
- 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 °C (113 °F).

LED Safety

The infrared port located on the back panel of the OmniBook is classified as a Class 1 LED (light-emitting diode) device according to International Standard IEC 825-1 (EN60825-1). This device is not considered harmful, but the following precautions are recommended:

- If the unit requires service, contact an authorized HP service center—see the *OmniBook Support and Service* booklet.
- Do not attempt to make any adjustment of the unit.
- Avoid direct eye exposure to the infrared LED beam. Be aware that the beam is invisible light and cannot be seen.
- Do not attempt to view the infrared LED beam with any type of optical device.

CLASS 1 LED PRODUCT
LEDSCHÜTZKLASSE 1 PRODUKT

Working in Comfort

Ergonomics is the science that fits products to people. Its goal is to make products easy, enjoyable, safe, and efficient to use. However, with even the best designed equipment, how you use the product is very important.

You can use your OmniBook virtually anywhere, anytime, so following the guidelines below can be a challenge—but your efforts will be worthwhile, and help ensure that your OmniBook is ergonomically effective for you.

- Place your OmniBook directly in front of you, within easy reaching distance for your hands when your arms are hanging straight down at your side (this is about 16 inches, or 40 centimeters, in most cases).
- Whenever possible, adjust your seat height, work surface, or both to position the surface at approximately elbow height.
- Try not to use a lot of force when typing—type as lightly as possible. The OmniBook keyboard requires little force to activate, and excess force during typing may increase the risk of injury to you in the long term.
- Do not rest your wrists on a sharp edge when typing. Whenever possible, find a work surface edge that is rounded or padded, or position yourself so your hands rest on the surface, not its edge.
- When typing, try to find positions where you can sit with your arms (shoulder to elbow) straight down at your sides, and try not to hold your arms out away from your body (angle less than 20 degrees).
- Position the keyboard so your wrists, hands, and fingers are in a “neutral” line while typing. This means they do not tilt up or sideways more than 10 degrees.
- Shift positions and move your body from time to time—keeping your body “locked” in one position for a long period of time is unnatural and stressful.
- Take short (about 2 minutes or so) breaks whenever you feel fatigued, tired, or stiff—or at least once every hour. Use the breaks to gently stretch your hands, fingers, arms, and shoulders.

Regulatory Information

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

U.S.A.

The OmniBook generates and uses radio frequency energy and may interfere with radio and television reception. The OmniBook complies with the limits for a Class B computing device as specified in Part 15 of FCC Rules, which provide reasonable protection against such interference in a residential installation. The “FCC ID” number for this product is listed on the bottom of the unit. In the unlikely event that there is interference to radio or television reception (which can be determined by removing the unit’s battery), try the following:

- Reorienting or relocating the receiving antenna.
- Relocating the OmniBook with respect to the receiver.
- Connecting the OmniBook ac adapter to another power outlet.

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, D.C. 20402, Stock Number 004-000-00345-4. At the first printing of this manual, the telephone number was (202) 512-1800.

Any OmniBook cables provided with the unit or with its accessories—such as the floppy-drive cable—must be used to connect the devices to the OmniBook. To maintain compliance with the Class B emission limits for residential use, use properly shielded cables with this device.

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.

Japan

この装置は、第二種情報処理装置（住宅地域又はその隣接した地域において使用されるべき情報処理装置）で住宅地域での電波障害防止を目的とした情報処理装置等電波障害自主規制協議会(VCCI)基準に適合しております。

しかし、本装置をラジオ、テレビジョン受信機等に近接してご使用になると、受信障害の原因となることがあります。

取扱説明書に従って正しい取り扱いをして下さい。

Europe

Products sold in Europe by Hewlett-Packard and its authorized dealers meet the specifications listed below.

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

Manufacturer: Hewlett-Packard Company
Address: Hewlett-Packard Co.
Mobile Computing Division
1000 NE Circle Blvd.
Corvallis, OR 97330
declares that the following product
Product name: HP OmniBook 800 , all models
Options: All
conforms to the following product specifications
Safety: IEC 950:1991+A1,A2 / EN 60950 (1992)+A1,A2
EMC: CISPR 22:1993 / EN 55022 (1994): Class B*
EN 50082-1:1992
IEC 1000-4-2:1995 / prEN 55024-2 (1992): 4kV CD, 8kV AD
IEC 1000-4-3:1995 / prEN 55024-3 (1991): 3V/m
IEC 1000-4-4:1995 / prEN 55024-4 (1992): 0.5kV signal lines, 1.0kV power lines
Supplementary Information: The product herewith complies with the requirements of the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC.
The HP F1044B ac adapter used with this product is disconnected from the power by unplugging the power cord from the power outlet. Therefore, the power outlet should be located close to the product and be easily accessible.
This declaration also applies to these dedicated peripherals and modules used with the OmniBook 800:
HP F1059C External Floppy Disk Drive, HP F1196C Quad Speed CD-ROM Drive,
HP F1044B AC/DC Adapter
*The product was tested in a typical configuration with Hewlett-Packard personal computer peripherals.

Quality Department
Hewlett-Packard Company
Mobile Computing Division

