

HP OmniBook 800 Docking System  
HP OmniBook 800 Docking-System  
Sistema de Acompañamiento del HP OmniBook 800  
HP OmniBook 800 - Station d'accueil  
HP OmniBook 800 Sistema di collegamento



User's Guide  
Benutzerhandbuch  
Manual de Operación  
Manuel d'utilisation  
Guida d'uso

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# HP OmniBook 800 Docking System



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## User's Guide

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# Contents

<b>1 Using the Docking System</b> . . . . .	<b>1-5</b>
Understanding the Basics . . . . .	1-8
To dock the OmniBook . . . . .	1-8
To undock the OmniBook . . . . .	1-11
To manually undock the OmniBook . . . . .	1-13
To attach a security cable . . . . .	1-14
To set a docking password . . . . .	1-15
To understand docking status lights . . . . .	1-16
To turn docking messages on and off . . . . .	1-16
Making Connections . . . . .	1-17
To connect an external keyboard . . . . .	1-18
To connect a PS/2 mouse . . . . .	1-18
To connect a serial mouse . . . . .	1-19
To switch back to the OmniBook pop-out mouse . . . . .	1-20
To connect an external display . . . . .	1-20
To enable the built-in and external displays simultaneously . . . . .	1-21
To connect a parallel device . . . . .	1-21
To connect a serial device . . . . .	1-22
To connect your audio equipment . . . . .	1-22
To connect SCSI devices . . . . .	1-23
To install an ISA or PCI expansion board . . . . .	1-24
<b>2 Troubleshooting</b> . . . . .	<b>1-29</b>
Solving Basic Problems . . . . .	1-31
To resolve operating problems . . . . .	1-31
To resolve docking problems . . . . .	1-33
<b>3 Specifications and Regulatory Information</b> . . . . .	<b>1-35</b>
Hardware Specifications . . . . .	1-37
Regulatory Information . . . . .	1-38
U.S.A. . . . .	1-38
Canada . . . . .	1-39
Japan . . . . .	1-39
Europe . . . . .	1-40



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**Using the Docking System**



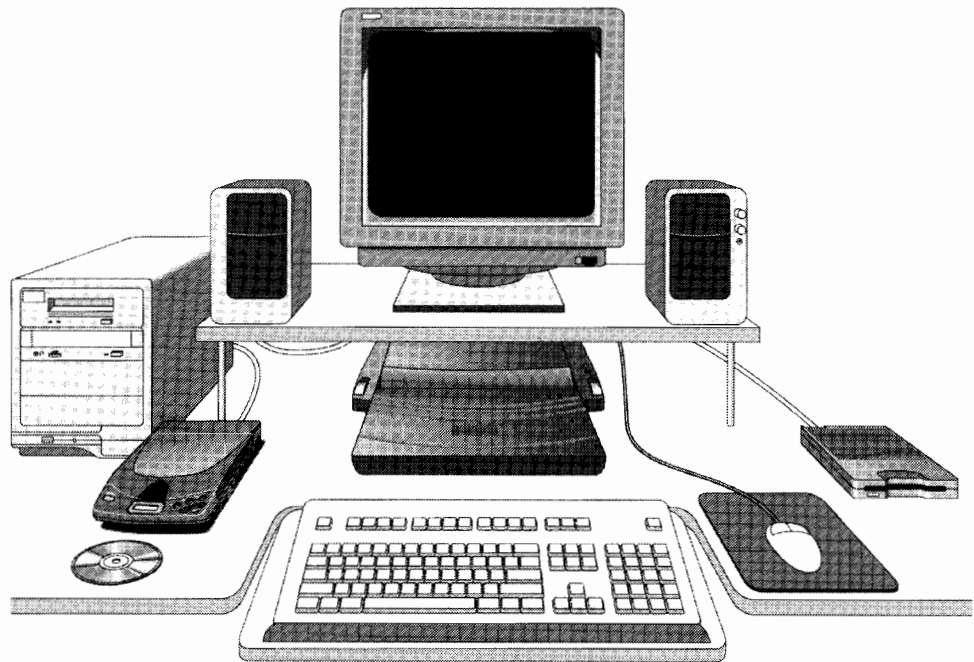
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# Getting Started

Congratulations! With the purchase of your OmniBook docking system, the transformation of your OmniBook 800 into a *true* desktop replacement is complete. It delivers the premium performance you need for true desktop computing—and is backed by HP's unmatched quality, reliability, and customer satisfaction.

By making one connection—plugging your OmniBook into the docking system—you can get convenient access to these connections:

- ◆ External keyboard and mouse.
- ◆ External display.
- ◆ Floppy drive.
- ◆ Parallel and serial devices.
- ◆ Headphones or external speakers.
- ◆ SCSI devices.
- ◆ ISA or PCI expansion board.



## How to Use This manual

The procedures in this manual differ slightly depending on the operating system you've installed—Windows 95 or Windows for Workgroups. Read each step carefully to see if it applies to your operating system.

### What About Other Operating Systems?

If you've installed another operating system on the OmniBook—Windows NT or OS/2 for example—follow the general procedures under Windows for Workgroups. Instead of exiting Windows (when so instructed), exit the operating system you are using.

## About Your OmniBook Manuals

Your OmniBook provides these additional manuals:

- The online OmniBook *User's Guide* introduces the OmniBook and shows you how to operate and maintain your OmniBook. It also contains troubleshooting information.
- The *Introducing Microsoft Windows 95* manual, shipped with your OmniBook, contains information about using the standard features of Windows 95.

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## Understanding the Basics

This section shows you how to get your docking system and OmniBook up and running quickly, including how to

- ◆ Dock the OmniBook.
- ◆ Undock the OmniBook—including manual override.
- ◆ Protect the OmniBook with a security cable.
- ◆ Understand the docking system's status lights.

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## To dock the OmniBook

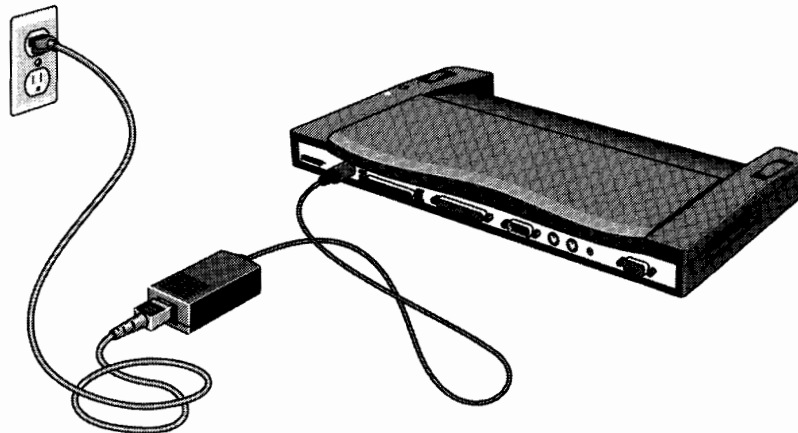
You do not need to turn the OmniBook off when docking.

1. If you're using Windows 95, go to step 2.

—or—

If you're using Windows for Workgroups, save your work and exit Windows. You'll be rebooting the OmniBook.

2. Plug the power cord into the ac adapter, then into a grounded ac outlet.
3. Plug the connector from the ac adapter into the port on the back of the docking system.



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**CAUTION**

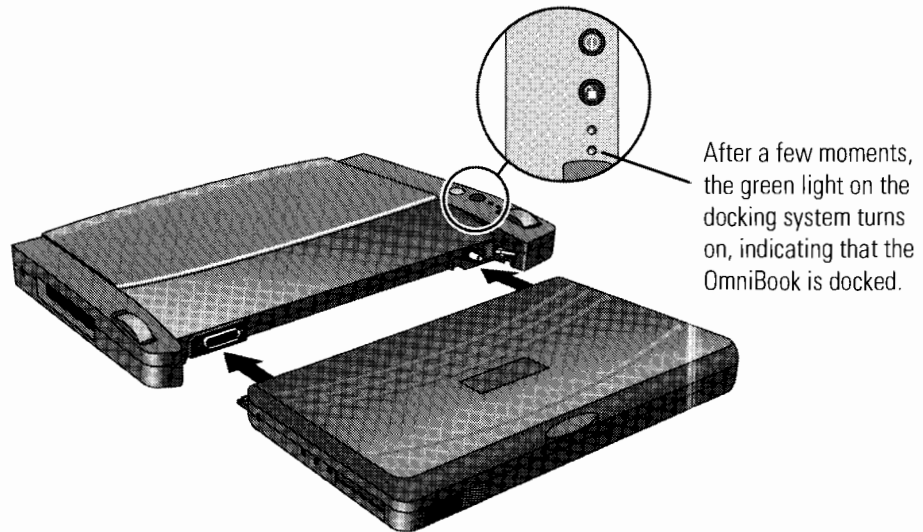
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Use only an HP F1044B ac adapter (the type shipped with the OmniBook). Do not use the ac adapter from another product. Using an improper adapter could damage your equipment and will make your warranties invalid.

4. On the OmniBook, open the rear door that covers the connectors.



5. Slide the OmniBook into the docking system until it's fully seated. Press firmly. The docking system locks onto the OmniBook so you can't accidentally separate them.



**Understanding the Basics**

6. If you're using Windows 95 and docking for the first time, Windows 95 automatically configures the OmniBook for use with a docking system. Thereafter, Windows 95 automatically switches to the "docked" hardware profile. For more information about docked profiles, see the OmniBook's online *User's Guide*.

–or–

If you're using Windows for Workgroups, reboot the OmniBook to configure your system.



## To undock the OmniBook

1. Make sure ac power is connected to the docking system.
2. If you're using Windows 95, go to step 3.

–or–

If you're using Windows for Workgroups, save your work and exit Windows. You'll be rebooting the OmniBook.

3. Exit any applications that are using SCSI or network devices.
4. Press the Undock button on the docking system.

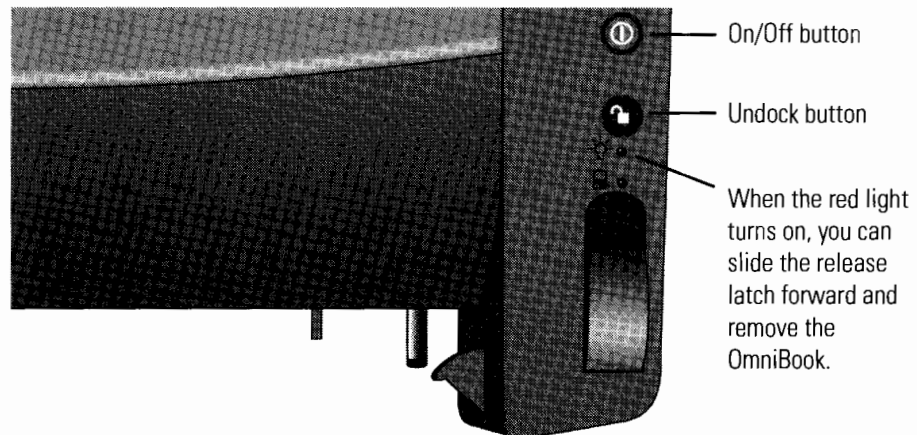
–or–

If you're using Windows 95, you can also select Eject PC from the Start menu.

When the red light turns on, you have approximately 10 seconds to slide the release latch forward and remove the OmniBook—otherwise, the OmniBook automatically docks again.

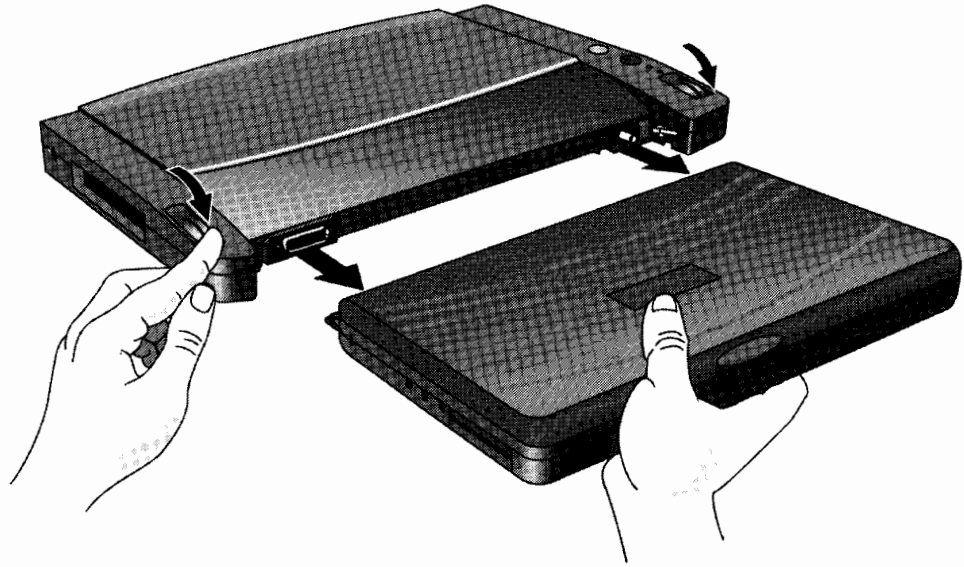


Undock button



Using the Docking System  
Understanding the Basics

5. Slide forward a release latch on the docking system and remove the OmniBook.



6. If you're using Windows for Workgroups, reboot the OmniBook.

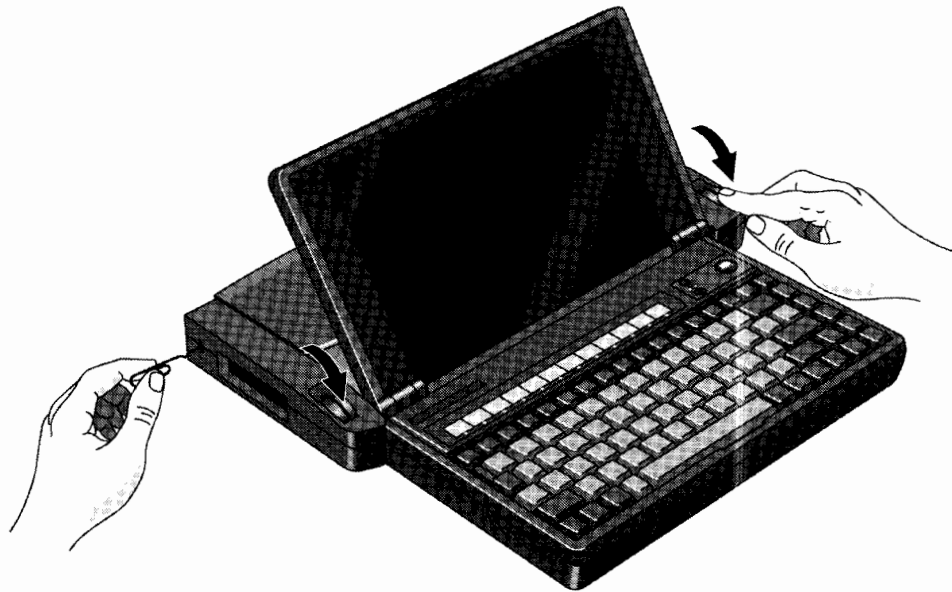
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## To manually undock the OmniBook

If for some reason you can't undock the OmniBook using the Undock button, you can manually unlock it.

Manual undocking overrides password protection. To secure your OmniBook while docked, keep a Kensington MicroSaver lock attached to the security connector on the docking system. (See the following topic for instructions.)

1. Save your work and, if necessary, exit Windows. If you're using Windows 95, be sure to use the shutdown option from the Start menu.
2. Insert a paper clip or other thin object into the security opening.
3. Press the clip inward and while holding it, slide one of the release latches forward.
4. After manually undocking the OmniBook, press the reset button on the OmniBook.

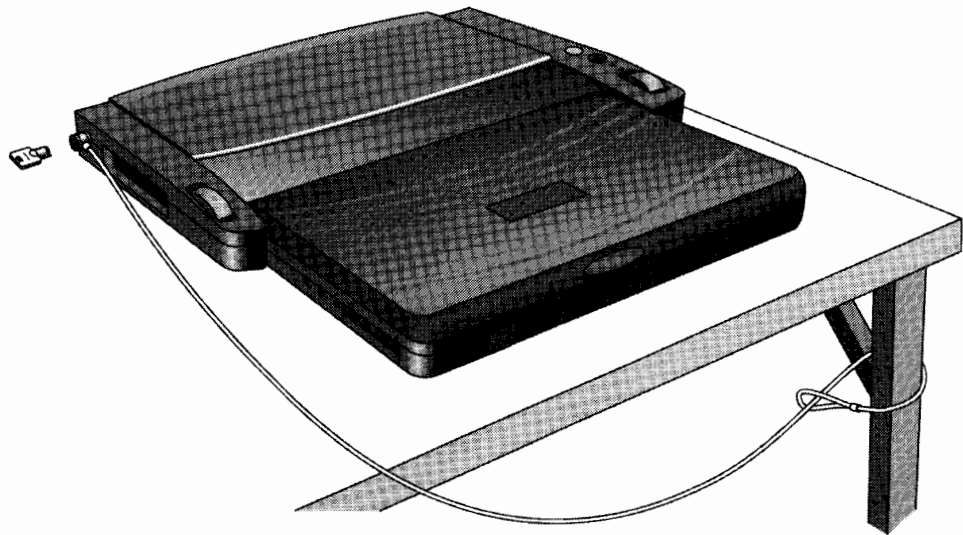




## To attach a security cable

Your docking system has a built-in security connector that allows you to secure the docking system with a cable. Kensington MicroSaver lock systems work with these connectors and are available at many computer stores. When a security cable is attached to the docking system—and an undock password is set—the OmniBook cannot be undocked without supplying the password. (See the following procedure for instructions about how to set a docking password.)

1. Wrap the cable around a stationary object, such as a table leg.
2. Loop the cable to create a slip knot around the stationary object—make sure it can't slip off.
3. Insert the lock into the docking system's security connector and release the key.  
*Store the key in a safe place away from the OmniBook.*



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## To set a docking password

Password security protects access to your OmniBook. If you use password security, you must enter the password at certain times (defined in Password Options). This is where you specify a docking password.



This symbol means a password has locked access to the system. Type the password to gain access. Be sure you record your password in a safe place. To restore operation if you forget your password, you'll have to call Hewlett-Packard at the number in the *Service and Support* booklet or select the OmniBook Support icon in the online OmniBook Library group.

1. Exit Windows, then reboot the OmniBook.
2. When you see the following message:  

Press <F2> to enter System Configuration Utility  
immediately press F2 to open the System Configuration Utility. *The mouse does not work in this environment.*
3. Press ALT+S to open the System menu, then select Passwords.
4. Under Password options, select Undock.  
This enforces that you enter the password in order to undock the OmniBook from a docking system.

---

## To understand docking status lights

The red and green lights on the docking system indicate the current status of the docking system. The following table explains the status lights:

Status	red light	green light
AC adapter has been connected to the docking system. Docking system is powered and ready to go.	on	off
The OmniBook has been inserted into the docking system. OmniBook is in the process of docking.	on	off
OmniBook is fully docked and ready to use.	off	on
The Undock button has been pressed. The OmniBook is ready to eject.	on	off

---

## To turn docking messages on and off

The System Configuration Utility provides a setting for turning docking system messages on and off. You must reboot the computer to run the System Configuration Utility. *Docking messages are not available under Windows 95.*

1. Exit Windows, then reboot the OmniBook.
2. When you see the following message:  

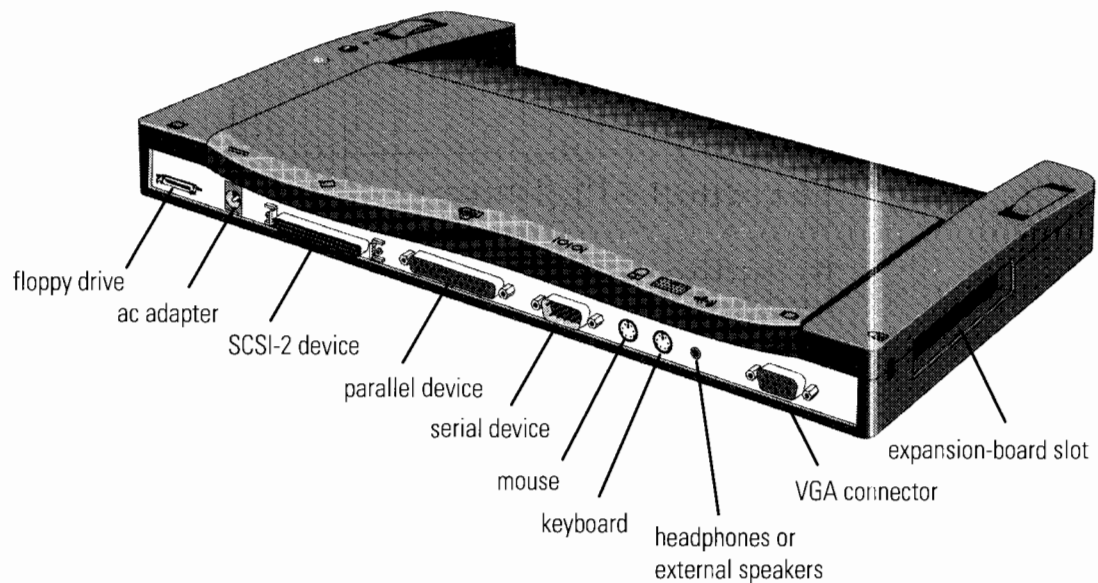
```
Press <F2> to enter System Configuration Utility
```

immediately press F2 to open the System Configuration Utility. *The mouse does not work in this environment.*
3. Press ALT+S to open the System menu.
4. Make sure that the Docking Messages menu item is checked.

---

## Making Connections

- ◆ Power (ac adapter).
- ◆ External keyboard.
- ◆ External mouse.
- ◆ External display.
- ◆ Floppy disk drive.
- ◆ Printer or other parallel device (25-pin).
- ◆ Modem or other serial device (9-pin).
- ◆ Headphones or external speakers.
- ◆ External CD-ROM drive or other SCSI-2 device.
- ◆ Network access and other types of ISA and PCI boards (in the expansion-board slot).

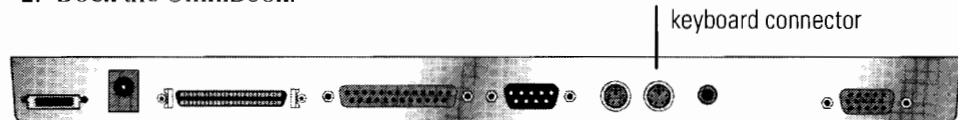


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## To connect an external keyboard

You can use the built-in and external keyboards while docked.

1. Attach the keyboard cable to the docking system.
2. Dock the OmniBook.



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### Hint

If you are using a docking system with an external keyboard without an FN key, substitute the keystrokes CTRL+ALT for FN. You must also select the option Enable external FN key:

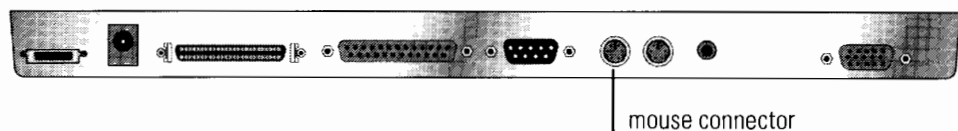
- For Windows 95, click Start, HP User Tools, Settings, OmniBook External Devices.
- For Windows for Workgroups, from Program Manager choose Main, OmniBook Tools, then Input Devices.

---

## To connect a PS/2 mouse

The OmniBook has a PS/2 mouse driver installed. When you dock, the OmniBook automatically detects and sets up the mouse.

1. Attach the mouse cable to the docking system.
2. Dock the OmniBook.
3. If you're using Windows for Workgroups, reboot the OmniBook.



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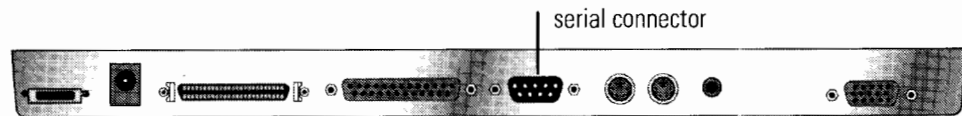
## To connect a serial mouse

1. If you're using Windows 95, go to step 2.

–or–

If you're using Windows for Workgroups, save your work and exit Windows. You'll be rebooting the OmniBook.

2. Attach the serial cable to the docking system.



3. Dock the OmniBook.
4. If you're using Windows 95, go to step 5.

–or–

If you're using Windows for Workgroups, reboot the OmniBook.

5. This step sets up the serial mouse for use.

If you're using Windows 95

- Click Start, Settings, Control Panel, Mouse, General.
- Click Change, then select Standard Serial Mouse.

If you're using Windows for Workgroups

- From Program Manager, select Windows Setup.
- Select Serial Mouse.

---

## To switch back to the OmniBook pop-out mouse

Use this procedure to switch back to the built-in OmniBook mouse from an external mouse.

1. Save your work.
2. Disconnect the mouse cable from the docking system.
3. Reboot the OmniBook.

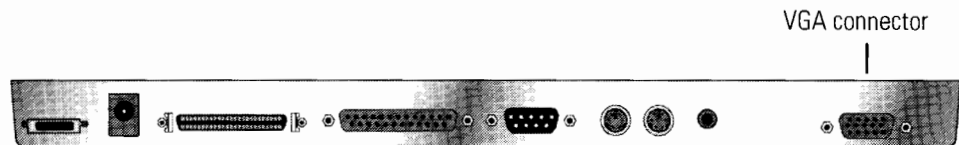
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## To connect an external display

Use this procedure to connect an external display to your OmniBook. Before beginning, check the documentation for your display and make sure that the external display supports standard VGA or super VGA format.

1. Plug the VGA cable from the external display into the VGA connector at the back of the docking system.
2. Dock the OmniBook.

The OmniBook automatically recognizes and activates the external display. The built-in display turns off. If you want to run the built-in display and an external display simultaneously, see the following procedure for instructions.



---

## To enable the built-in and external displays simultaneously

If you enable the built-in display while running the external display, you may notice a slight dimming while the external display is connected. If the display resolutions for the two displays are not the same, panning may result.

The System Configuration Utility provides a setting for turning the built-in display on and off. You must reboot the computer to run the System Configuration Utility. *Docking messages are not available under Windows 95.*

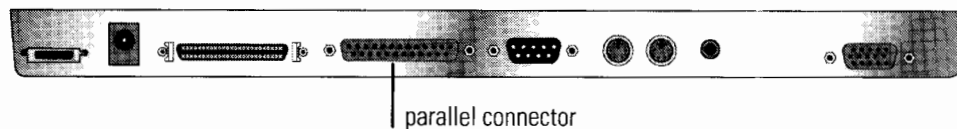
1. Exit Windows, then reboot the OmniBook.
2. When you see the following message:  
Press <F2> to enter System Configuration Utility  
immediately press F2 to open the System Configuration Utility. *The mouse does not work in this environment.*
3. Press ALT+I to open the Input/Output menu.
4. Select External Devices, then select Both External VGA and LCD.

---

## To connect a parallel device

The docking system's 25-pin parallel port is a standard enhanced (EPP/ECP) parallel port. The most common types of parallel connections involve connections to printers and to other computers.

1. Attach the parallel cable to the parallel connector.
2. Dock the OmniBook.
3. If necessary, install your printer or other device driver. See your Windows manual for instructions.



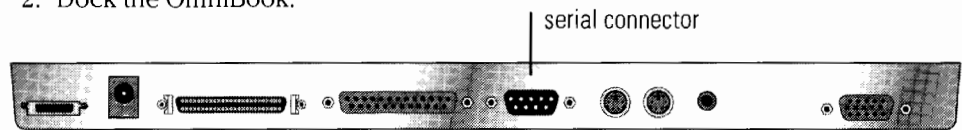


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## To connect a serial device

The docking system's 9-pin serial port is a standard serial port, just like those found on many PCs. The most common types of serial connections involve printers, modems, and other computers. You can make such connections using standard serial cables and adapters available at computer dealers and electronic supply stores. Use the following procedure to connect a modem, serial printer, or serial cable.

1. Attach the serial cable to the serial connector.
2. Dock the OmniBook.

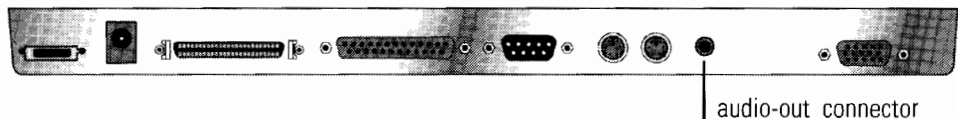


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## To connect your audio equipment

You can connect either headphones or stereo speakers to the docking system. While the OmniBook is docked, just plug in the headphone or speaker cable.

- Attach the headphones or speaker cable to the audio-out connector.



When the OmniBook is docked, its audio out connector is disabled. However, you can use the OmniBook's built-in microphone, as well as the line input and microphone input connectors on the OmniBook.



## To connect SCSI devices

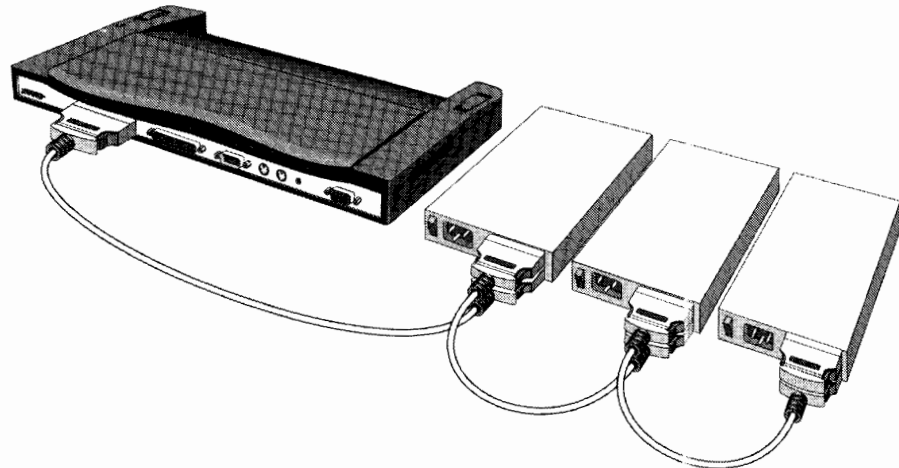
SCSI devices are disabled whenever you turn off the system or undock.

1. Make sure that each SCSI device is set to a different SCSI ID number, ID 1 through ID 6. Do not use ID 0. See the device's documentation for instructions for checking and changing the device's ID.

2. Set the SCSI bus termination for each device.

The device at the end of the SCSI bus must be terminated, while the devices in the middle of the bus must have their terminators removed or disabled. The device's documentation describes how to check and change the termination.

3. Connect the peripheral devices to the docking system one after the other—a "daisy-chain" connection.



4. Plug each SCSI device into a proper electrical outlet. See the device's documentation for details.
5. If you're using Windows 95, the OmniBook automatically detects the new device and sets it up for you. If necessary, Windows requests information about the device.

-or-

If you're using Windows for Workgroups

- Exit Windows.
- Dock the OmniBook.
- Reboot the OmniBook.

**About SCSI Hard Disk Drives**

The SCSI drivers support hard disks with 512 bytes per sector. They also support removable media with 1024 bytes per sector. For complete instructions about formatting and preparing your SCSI hard disk drive, read the SCSIFMT.TXT file located in the C:\SCSI directory on your OmniBook.

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## To install an ISA or PCI expansion board

You can install one expansion board in the docking system. Note that if you are installing a network board, a network connection is lost whenever you undock.

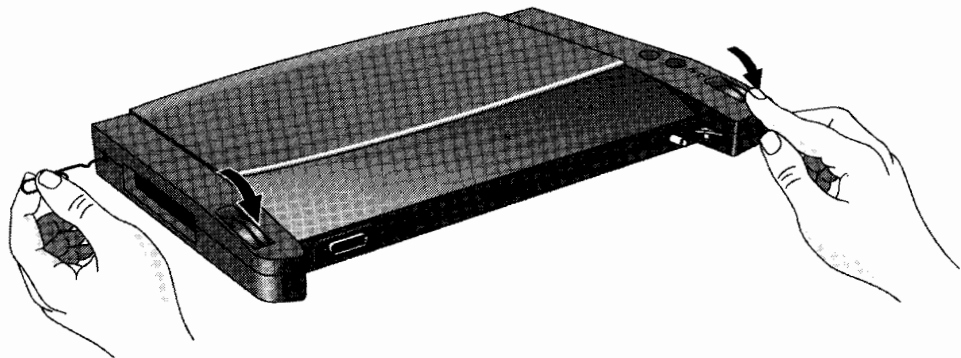
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**CAUTION**

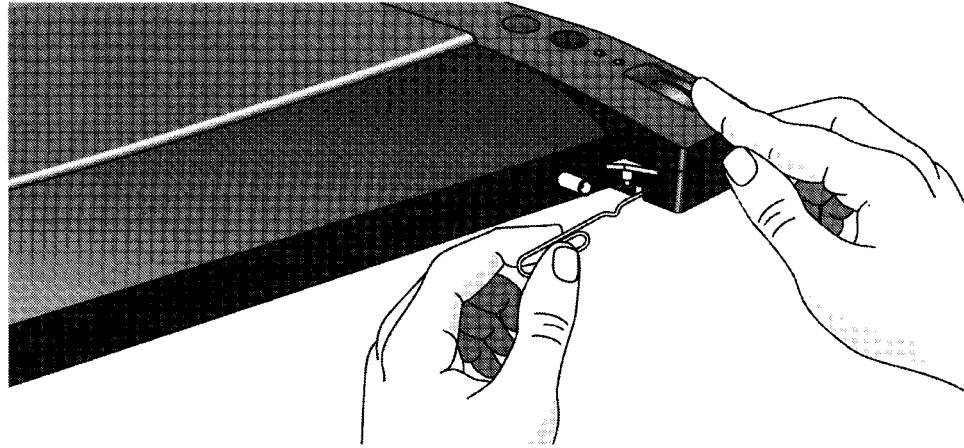
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Before removing the board from its bag, equalize static electricity by touching the bag and the docking system's metal back plate at the same time. Handle the board by its edges. Avoid touching electronic components.

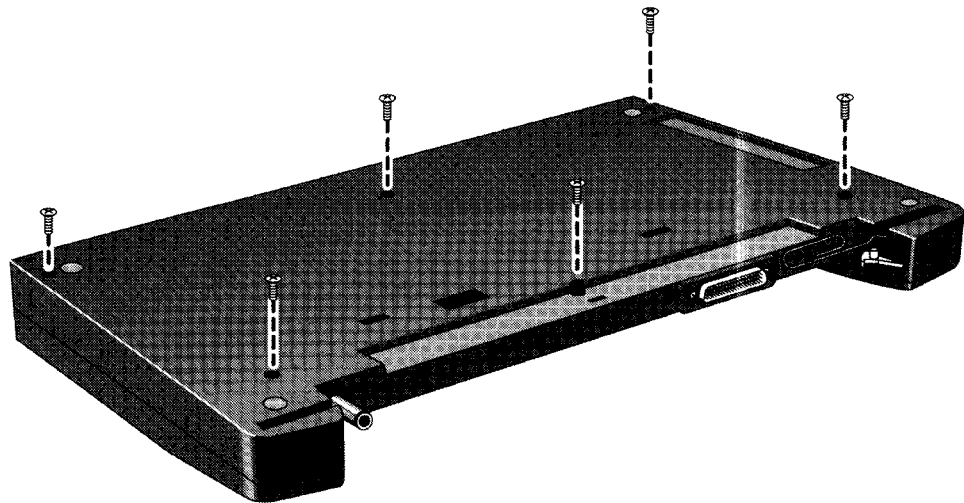
1. Undock the OmniBook and unplug the ac adapter from the docking system.
2. Insert a paper clip or other thin object into the security opening and press firmly. Continue pressing, and slide forward one release latch and hold it forward.



3. Continue holding the latch forward and insert the paper clip as shown below. This holds the release levers forward.

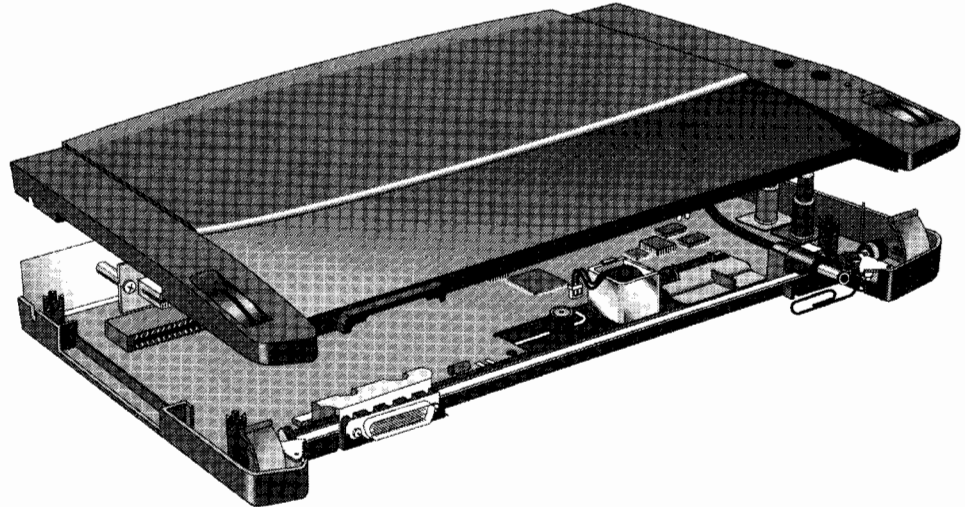


4. Turn over the docking system and remove the six screws from the case.

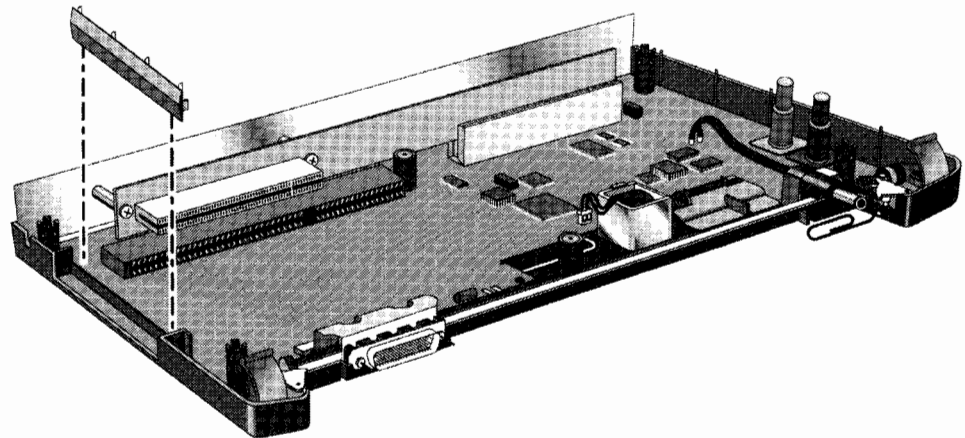


Using the Docking System  
Making Connections

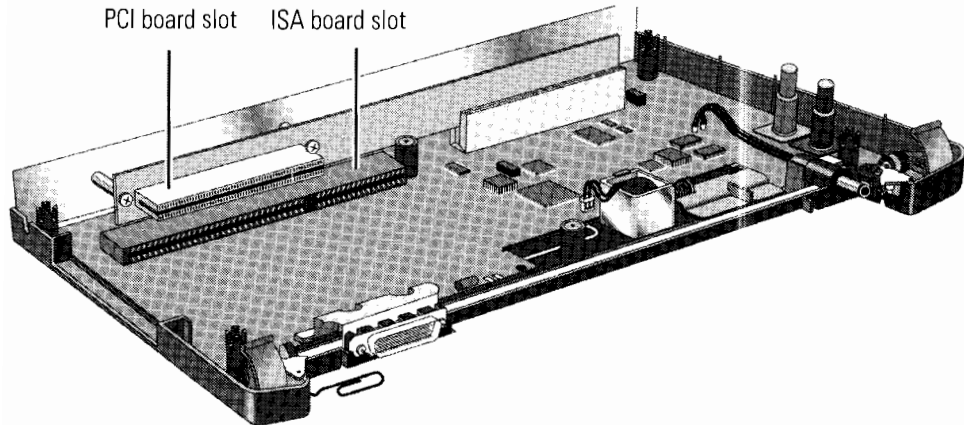
5. Turn the docking system right side up and lift off the top of the case. Lift firmly—there may be some resistance at the back of the unit.



6. Remove the plastic cover from the opening in the side of the case.



- Slide the ISA or PCI board into the appropriate slot. Support the docking system at the lower-back edge while you firmly press the board into the connector.



- Place the top of the case onto the bottom. If necessary, adjust the buttons so that they fit through the holes—be careful not to remove the button covers.
- Turn over the docking system and install the screws into the case until they're snug—do not over-tighten them.
- Plug in the ac adapter and dock the OmniBook.
- Install the software for the network board and connect it to your network. If the board uses configuration software, run it now. See your network administrator or the manual for instructions.



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## Troubleshooting



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# Troubleshooting

If you run into problems using the docking system, you can use the suggestions in this chapter for getting back on track.

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## Hints

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If you're having a problem—see the online OmniBook *User's Guide*. Its troubleshooting chapter contains more troubleshooting information.

If you have questions that this manual doesn't answer, you can

- ◆ See the online OmniBook *User's Guide*—it's your main source of information about using the OmniBook. It includes extensive troubleshooting information.
- ◆ 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.

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## Solving Basic Problems

If you have a problem using the docking system, find the symptom below that matches your situation. Try the suggestions one at a time.

This section separates problems into the following categories:

- ◆ Operating problems.
- ◆ Docking problems.

---

### To resolve operating problems

#### **If a serial or parallel device, external display, or floppy drive doesn't work**

- Make sure the OmniBook is fully inserting in the docking system. Connection should be snug.
- If the green light on the docking system isn't on, check power to the docking system, then try undocking and docking again.

#### **If an external PS/2 mouse or keyboard doesn't work**

- Make sure the OmniBook is fully inserting in the docking system. Connection should be snug.
- Make sure the mouse is plugged into the correct port. The mouse and keyboard ports look the same.
- Turn the system off and on.
- Reboot the system.
- Undock the OmniBook, unplug and reconnect the ac adapter, then dock again.

#### **If network connections don't work**

- Make sure that the LAN cable is connected.
- You normally lose connections when you turn off the system or undock. See if your network software has a reconnect feature.

- Check your configuration files to make sure that the network drivers are properly installed.
- If the green light on the docking system isn't on, check power to the docking system, then try undocking and docking again.
- Check that there is no address or interrupt conflict. Check these settings on the network board—or, if the board has configuration software, check the settings using that software—see the manual for the network board. Also check these settings in your network software.

**If SCSI devices don't work**

- Try rebooting and selecting a startup option that loads the SCSI drivers.
- Check the device id for conflicts.
- Make sure you turn on the SCSI devices before you reboot the system. They're configured at boot time.
- Check your connections and termination.
- Check your configuration files to make sure that the SCSI drivers are properly installed.
- Try pushing the OmniBook into the docking system a bit harder.
- If the green light on the docking system isn't on, check power to the docking system, then try undocking and docking again.
- Check that there is no address or interrupt conflict. The SCSI interface normally uses I/O address 3100F and interrupt 10.

**If a network-enabled system locks up when rebooting**

*The following hints apply to Windows for Workgroups only:*

- Edit AUTOEXEC.BAT to disable Windows for Workgroups network support for all non-network startup options. Add the /N switch to the WIN command (win /n) for each of the non-network options.
- Edit CONFIG.SYS and AUTOEXEC.BAT to load network drivers only for the "Docking system" startup option, and not for undocked startup options.

*For other operating systems:*

- Check any available online tools—Device Wizard in Windows 95, for example—or check with your system administrator.

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## To resolve docking problems

### **If your docking password isn't accepted**

- Check whether Num Lock is off.
- If you've forgotten your password, have your OmniBook at hand and call Hewlett-Packard support. See your OmniBook *Support and Service* booklet.

### **If the OmniBook isn't released after pressing the Undock button**

- If you're using a password, make sure it's accepted.
- If you're prompted about shutting down devices, and if no applications are using those devices, press ENTER. Otherwise, close those applications and try undocking again.

Troubleshooting  
Solving Basic Problems

- To override the undocking software, press a paper clip or other thin object into the security opening in the docking system. Hold it in while sliding one release latch forward.



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**Specifications and Regulatory  
Information**

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# Specifications and Regulatory Information

Your OmniBook docking system is designed to provide trouble-free operation. The following suggestions can help you while working with your OmniBook:

- ◆ Observe the temperature limits and other specifications listed in the next section.
- ◆ If you have problems, see the problem-solving suggestions and references listed in chapter 2.
- ◆ If you think your docking system 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 the 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.

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## Hardware Specifications

Interfaces	Serial: one 9-pin 115,200-baud RS-232 port (with hardware handshaking). Parallel: one 25-pin standard (EPP/ECP) parallel port. SCSI: one SCSI-2 port. Audio: one stereo-output port. Mouse: one PS/2 mouse port. Keyboard: one external keyboard port. Floppy disk drive: one floppy disk drive port for removable 3.5-inch disk drive.
Expansion boards	Electrical: PCI/ISA expansion slot. Mechanical: ½ length boards/ shared slot.
AC Adapter	Input: 115 to 240 Vac (50 to 60 Hz). Output: 12 Vdc, 3.3 A. Polarity: negative (inner contact is negative).
Temperature	Operating: 5 to 35 °C (41 to 95 °F). Storage: -40 to +60 °C (-40 to 140 °F). The unit may not operate properly below 5 °C (41 °F), but it can be stored at temperatures down to -40 °C (-40 °F) without damaging the hardware.
Humidity	Operating: 90% relative humidity at 35 °C (95 °F) maximum. Storage: 90% relative humidity at 60 °C (140 °F) maximum.



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## Regulatory Information

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

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### U.S.A.

The docking system generates and uses radio frequency energy and may interfere with radio and television reception. The docking system 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. (With a network board installed, the docking system complies with the limits for a Class A device, which limits use to a nonresidential 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 undocking the OmniBook and unplugging the ac adapter), try the following:

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

To maintain compliance with FCC Rules and Regulations, use properly shielded cables when connecting peripheral devices to this device. Use cables supplied with the OmniBook when appropriate.

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.

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## 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.

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## 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。

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## 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 F1177A Docking System

**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<sup>[1]</sup>  
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.

[1] The product was tested in a typical configuration with Hewlett-Packard personal computer peripherals.

Quality Department  
Hewlett-Packard Company  
Mobile Computing Division

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- 1 Using the Docking System
  - 2 Troubleshooting
  - 3 Specifications and Regulatory Information

- 1 Verwendung des Docking-Systems
- 2 Fehlerbehebung
- 3 Technische Daten und Sicherheitsinformationen

- 1 Cómo Usar el Sistema de Acoplamiento
- 2 Resolución de Problemas
- 3 Especificaciones e Información Regulatoria

- 1 Utilisation de la station d'accueil
- 2 Résolution des problèmes
- 3 Spécifications et normes

- 1 Uso del Sistema di collegamento
- 2 Ricerca e soluzione dei problemi
- 3 Specifiche tecniche e informazioni di regolamentazione

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1 2 3 4 5 7 8 9 10 11 12  
• 94 95 97 98 99 •



Part Number (P) F1177-90002 Edition 1

