
Welcome.....9

**Using Your VAIO PictureBook Computer ...
11**

Using the Keyboard..... 12

- Functions of the keyboard keys 13
- Combinations and functions with the Windows key 14
- Indicators 15
- Indicator lights 16
- Combinations and functions with the Fn key 16

Using the MOTION EYE Camera 19

- To capture a still image..... 19
- To set the image quality and mode of MOTION EYE camera
21
- Notes on using the MOTION EYE camera 23

Using the Pointing Device..... 24

- To replace the pointing device cover 25

Using the Jog Dial Control..... 26

- To use the Jog Dial Control 26
- Using the Indicate Window 27
- Selecting a mode 28
- Selecting a menu item 29
- To change the Jog Dial settings 29
- Using the Jog Dial Navigator with Sony software 29

Using Memory Stick Media 31

- Types of Memory Stick media..... 31
- Notes on using Memory Stick media..... 33

Using PC Cards 34

- To insert PC card 34
- To remove a PC Card..... 35
- Notes on PC Cards 36

Using Power Saving Modes.....	37
Normal mode.....	37
Standby mode.....	37
Hibernate mode.....	37
Notes on power saving modes	38
Connecting a Telephone Cable	39
How to connect a telephone cable.....	39
Connecting to a Local Area Network	41
To set up your ethernet connection.....	41

Connecting Peripheral Devices43

Connecting the Port Replicator.....	44
To connect a port replicator	44
Connecting a Floppy Disk Drive	46
To connect the floppy disk drive.....	46
To insert a floppy disk	46
To remove a floppy disk	47
To remove the floppy disk drive when the computer is on.....	47
To carry the floppy disk drive.....	48
Notes on handling floppy disks.....	48
Connecting a PC Card Bus Drive	49
To connect a PC Card Bus drive.....	49
To insert a disc	50
To remove the drive	51
Notes on CD and DVD discs	51

Connecting an i.LINK Optical Disc Drive	53
To connect an i.LINK optical disc drive.....	53
To disconnect an i.LINK optical disc drive	54
To play a DVD.....	55
To play an audio CD.....	56
Notes on CD and DVD discs	56
To write data to a CD-RW or CD-R disc.....	57
Notes on using i.LINK optical disc drives.....	58
Connecting a USB Mouse	59
To connect a USB mouse.....	59
Connecting VAIO Computers	60
Connecting with i.LINK	60
To connect two VAIO computers.....	60
Connecting an i.LINK Device.....	62
Connecting an External Display.....	65
To connect a computer display	65
To connect a projector	66
To connect a TV	67
Connecting a USB Printer	68
To connect a printer	68
Connecting an External Microphone.....	69
To connect an external microphone.....	69
To record from a microphone or audio equipment	69
To switch the microphone jack functionality	69
To adjust sound volume in the Recording Control window ..	70
To increase the sound of the microphone	70
To adjust sound device volume	70
To set the microphone to echo	72
To modify the MIDI sound.....	72

Connecting External Speakers	74
To connect external speakers	74
Notes on using external speakers	74
Expanding Your Computer's Capabilities	75
Personal Digital Assistant	75
The Wireless LAN Access Point	75
The Wireless LAN PC Card.....	76

Customizing Your VAIO Computer.....77

Displaying the Sony Notebook Setup Screen	78
Sony Notebook Setup tabs	79
Controlling Power Management.....	80
To view the Power Management status icons	80
Power Management profiles	81
Power Management commands	83
Conserving battery power	84
Displaying Battery Information	85
Battery icon descriptions.....	86
Displaying detailed battery information	86
Selecting the Display Mode	88
Changing the window design of Sony software.....	89
Using the Multilingual User Interface Language Option	91
To Change the Language Option	91
To Change Numbers, Currency, Time, and Date Formats	92

Adding Memory.....93

Precautions and Procedures	94
Typical expansion memory configuration	94
Removing a Memory Module.....	95

Installing a Memory Module.....	97
Confirming Added Memory Capacity.....	99

About the Software on Your Computer.101

Software Overview.....	102
DVgate application notes	107
Digital video captures	107
Adjusting image resolution.....	107
Exporting images to a digital video device.....	107
Hard disk drive partition	107
Software Support Information.....	109
Sony Service Center.....	111

Using the Recovery CDs.....113

Application and System Recovery CDs	114
Using Your Recovery CDs.....	115
Using the Application Recovery CD(s)	115
Using the System Recovery CD(s)	117

Troubleshooting.....121

Troubleshooting Your Computer	122
My computer does not start.	122
My computer starts, but a BIOS error appears.	122
My computer starts, but the message “Operating system not found” appears and Windows does not start.....	123
My computer stops responding or does not shut down. ..	124
The Power Management setting is not responding.....	124
The sound of my computer’s fan is too loud.	125
Why does the System Properties dialog box display a slower CPU speed than advertised?	125

Troubleshooting the LCD Screen	126
My LCD screen is blank.	126
The image on my connected external display is not centered or sized properly.....	126
I cannot simultaneously display movies, DVD video, or the Smart Capture (Finder) window on the LCD display and an external display.	126
I want to change the video resolution of my display.	126
Troubleshooting the Mouse and Pointing Device...	127
My mouse does not work.	127
My pointing device does not work properly.	127
The pointer does not move (while using the pointing device or mouse).....	127
Troubleshooting Drives, PC Cards and Peripheral Devices.....	129
My floppy disk drive icon doesn't appear even though it is connected.	129
My optical drive is not playing my disc properly.	129
My optical disc drive tray does not open.	130
I cannot use digital video (DV) devices. The message "DV equipment seems to be disconnected or turned off" appears.	130
My PC Card is not working.	130
Troubleshooting i.LINK devices	131
I cannot establish a connection between two VAIO computers when using an i.LINK cable.....	131
I cannot export images to a digital video (DV) device. ..	131
Troubleshooting Software.....	132
My software program stops responding or crashes.....	132
When I click an application icon, the message "You must insert the application CD into your CD-ROM (DVD-ROM)	

drive” appears, and the software does not start.....	132
I cannot use the DVgate software.	132
My computer’s start-up time seems longer after I have installed AOL. What can I do?	132
What software do I use for CD-R/CD-RW software functions?.....	133
Troubleshooting the Modem	134
My modem does not work.	134
My modem connection is slow.	134
Troubleshooting Audio	135
My speakers have no sound.....	135
There is noise distortion while listening to music with speakers or headphones.	135
My microphone does not work.	136
Troubleshooting Memory Stick Media	137
I cannot open image files.....	137
Memory Stick media does not work. I cannot access the removable drive.	137

***Getting Help*..... 139**

Support Options.....	139
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***Index*..... 141**

Welcome

Congratulations on your purchase of this Sony VAIO® computer, and welcome to the online VAIO® Computer User Guide.

This user guide provides detailed information on all aspects of using your new VAIO computer, from keyboard functions to preinstalled software applications.

In the left navigation window, click the topics you want to learn more about, and that information will be displayed in this main window.



Click here to find the latest updates and supplemental information about your computer.

Click here to view your computer's hardware specifications and software information.

Using Your VAIO PictureBook Computer

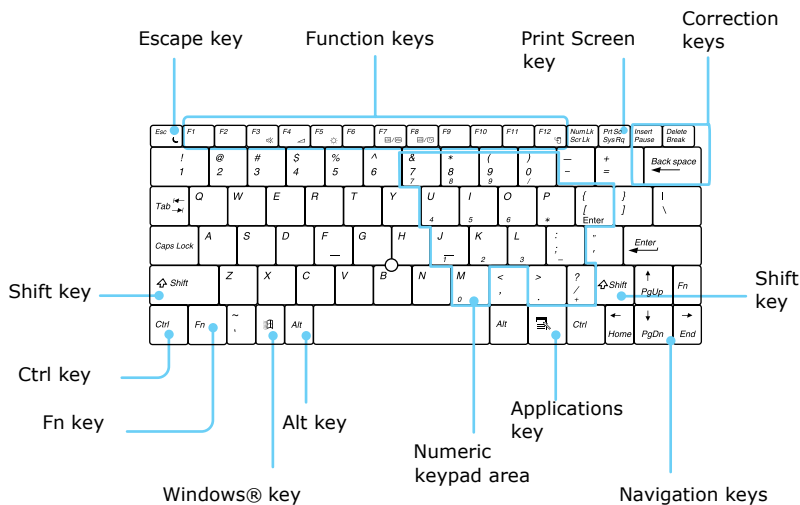
This section describes the following aspects of your new computer:

- ❑ Using the Keyboard
- ❑ Using the MOTION EYE Camera
- ❑ Using the Pointing Device
- ❑ Using the Jog Dial Control
- ❑ Using Memory Stick Media
- ❑ Using PC Cards
- ❑ Using Power Saving Modes
- ❑ Connecting a Telephone Cable
- ❑ Connecting to a Local Area Network

Using the Keyboard



Your keyboard is very similar to a typewriter's, but your computer keyboard has additional keys that perform specific computer-related tasks.

Keyboard












Functions of the keyboard keys

Key	Description
Numeric keypad area	Contains the keys found on a typical calculator. Use the numeric keypad area to type numbers or to perform mathematical calculations such as addition and subtraction. Numbers appear on the front beveled edge of the numeric keys. Note that you must press the Num Lock key to activate the numeric keypad. (When you do so, the Num Lock light will be on.)
Navigation keys	Several keys are devoted to moving the cursor on the screen (the four arrow keys which also function as the Home, End, Page Up, and Page Down keys).
Correction keys	The Insert, Backspace, and Delete keys enable you to make corrections in your documents.
Function keys	The twelve function keys along the top of the keyboard are used to perform designated tasks. For example, in many applications, F1 is the Help key. The task associated with each function key may vary from one application to the next.
Escape key	The Esc (Escape) key is used to cancel commands.
Print Screen key	The Print Screen key takes an electronic snapshot of the screen and places it in the Windows® Clipboard. You can then paste the screen shot into a document and print it.




Key	Description
Operator keys (Shift, Ctrl, Alt keys)	Several keys are always used with at least one other key: Ctrl, Alt, and Shift. When held down with another key, the Ctrl (Control) and Alt (Alternate) keys offer another way to give commands. For example, in many applications, instead of choosing the Save command from a menu, you can hold down Ctrl and press the S key (referred to as Ctrl+S). The Shift key operates the same way as on a typewriter; it is used to produce capital letters or special symbols, such as @ and \$.
Windows® key 	The key with the Windows® logo displays the Windows® Start menu; it's the equivalent of clicking the Start button on the taskbar. See "Combinations and functions with the Windows key" for more information.
Fn key	The Fn key is used in combination with other keys to issue commands. The Fn keys at the left and right sides both work the same. See "Combinations and functions with the Fn key" for more information.
Applications key 	The Applications key displays a shortcut menu of context-sensitive choices. Pressing this key is the equivalent of clicking the right mouse button.

Combinations and functions with the Windows key





Combination	Function
 + F1	Displays VAIO® Help and Support Center window.
 + Tab	Switches the selected button on the taskbar.
 + E	Displays the My Computer window.

Combination	Function
 + F	Displays the Search window to find a file or folder. This is the equivalent of selecting Search from the Start menu.
 + Ctrl + F	Displays the Search Results: Computers window where you can locate other computers. This is the equivalent of selecting Search and then Computers from the Start menu.
 + M	Minimizes all displayed windows (with Num Lock off).
Shift +  + M	Returns all minimized windows to their previous size.
 + R	Displays the Run window. This is the equivalent of selecting Run from the Start menu.
Fn +  + Insert	Displays the System Properties window. This is the equivalent of selecting Control Panel and then System from the Start menu.


Indicators

Indicator	Function
Power 	Light is green when the power to the computer is turned on, flashes amber in Standby mode, and turns off when the computer is in Hibernate mode or powered off.
Battery 	Indicates the status of the battery inserted in the computer.
Hard disk 	Lights when data is read from or written to the hard disk drive. Do not enter Standby mode or turn off the computer when this indicator light is on.


Indicator lights

<i>Light</i>	<i>On</i>	<i>Off</i>
Memory Stick® 	Data is read from or written to the Memory Stick media. (Do not enter Standby mode or turn off the computer when this indicator light is on.)	The Memory Stick media is not being accessed.
Num Lock 	The number keys area in the numeric keypad are active.	The alphanumeric character keys in the keypad area are active.
Caps Lock 	The letters appear in uppercase as you type. The Shift key lowers the case of typed letters when Caps Lock is on.	The letters appear in lower case as you type (unless you hold down the Shift key).
Scroll Lock 	The screen scrolls differently. (Exactly how it scrolls depends on the specific application. This function does not work with all applications.)	Information moves across the display normally.


Combinations and functions with the Fn key

 If you switch user identities during a computing session, the Fn+F7 and Fn+F8 key functionality (if available on your computer) will be interrupted. To switch to an external display or monitor, see “Selecting the Display Mode” for more information.

**Combinations/
Feature****Functions**





Fn+  (ESC)
Standby


Puts the system into Standby mode, a power management state. To return the system to the active state, press any key on your computer.





Fn+  (F3)
Speaker switch


Toggles the built-in speaker off and on.


Fn+  (F4)
Speaker volume

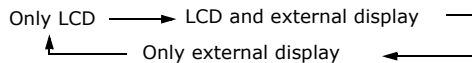
Adjusts the built-in speaker volume.
To increase volume, press Fn+F4, then  or  .
To decrease volume, press Fn+F4, then  or  .

Fn+  (F5)
Brightness control

Adjusts the brightness of the LCD.
To increase light intensity, press Fn+F5 and then  or  .
To decrease light intensity, press Fn+F5 and then  or  .



Fn+  (F7)
Switch to the
external display

Toggles between the LCD, external display (connected to the  Monitor port), and both LCD and external display modes.

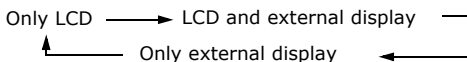


**Combinations/
Feature**


Functions

Fn+  only/ (F8)
Control AV Out

Toggles between LCD-only and dual LCD/TV display modes.



Select one display at a time to playback DVDs. Connect the cable before you turn on the computer, otherwise Fn+F8 will not work. You cannot use the Fn+F8 function to switch between LCD and TV once a DVD is inserted into the optical disc drive.

Fn+  (F12)
Hibernate

Provides for the lowest level of power consumption. When you execute this command, the state of the system and state of the peripheral devices are written to the hard disk and the system power is turned off. To return the system to the original state, press the power button briefly to turn on the power.

Fn+B
Bass Boost

Toggles the bass-boost function off and on. This feature is available only while using headphones.

 Some functions are not available until Windows® launches.

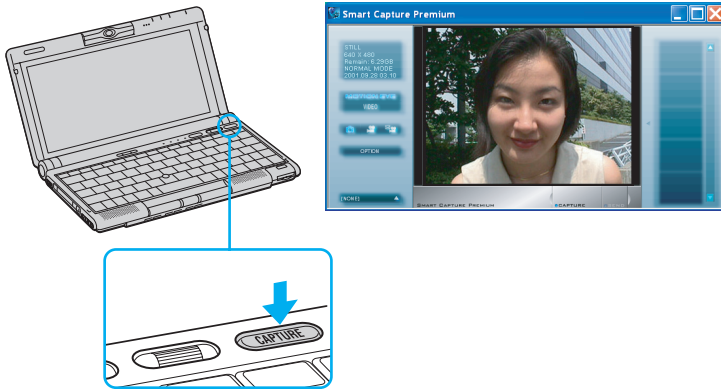
Using the MOTION EYE Camera

Your computer includes a built-in MOTION EYE™ camera. You can use the camera to shoot still images and record video clips.

To capture a still image

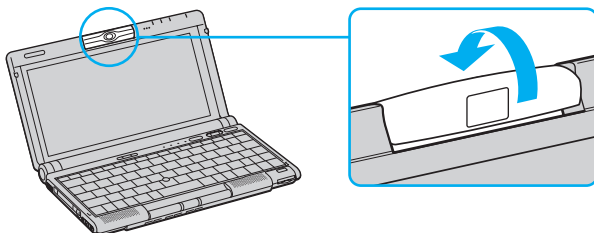
- 1 Press the CAPTURE button to start the Smart Capture Premium application.

CAPTURE Button



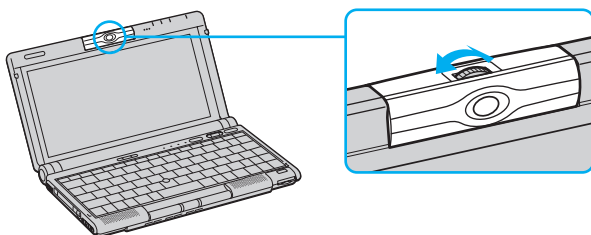
- 2 Select Still Viewer/Long Movie Player/Net Movie Player from the application list.
- 3 Choose Still by clicking the on-screen Capture Mode button. To switch to Motion, click the on-screen Change Capture Mode button. (You can also use Jog Dial Control for this function.)
- 4 The Finder window appears. Turn the MOTION EYE camera lens toward the subject you want to photograph.

Turning **MOTION EYE**



- 5 Adjust the focusing ring.

Adjusting the **Focusing Ring**



- 6 Half-press the CAPTURE button on the computer. The image remains still for a few seconds. To display another image, release the CAPTURE button and press again.
- 7 Fully press the CAPTURE button. The still viewer window opens and the captured still image appears in the still viewer window.
- 8 For more detailed information about the capture software, refer to the online Help for Smart Capture Premium. To access the online help file, click Start on the Windows® taskbar, select All Programs, select Smart Capture Premium, and click Smart Capture Premium Online Help.

If you turn the lens toward you, Smart Capture Premium goes into mirror mode. You can use the mirror mode to take a still image of yourself. A mirror-image appears in the finder window of the display while shooting; after capturing, however, a normal image appears.

 You can capture still images in the following sizes: 640 × 480, 320 × 240, 160 × 120, and 80 × 60 pixels.


Using the self-timer

You can take a still image 10 seconds after clicking the CAPTURE button by using the self-timer.

- 1 Click Still Viewer/Movie Player from the switch applications list.
- 2 Select Still mode.
- 3 Click the Options button. The Still Image Options dialog box appears.
- 4 Click Self-timer capture on the Capturing mode tab.
- 5 Click OK.

After Self-timer capture is complete, the capturing mode changes automatically to single image (Normal Capture).


To display the remaining time before the picture is taken, turn on the capture information display. The capture information display can be turned on and off by selecting Displaying Capture Information from the shortcut menu.

 To stop the self-timer, click the CAPTURE button.

To set the image quality and mode of MOTION EYE camera

You can change the settings of image quality or mode of MOTION EYE camera.

- 1 Click the Start button, then click Control Panel and Printers and Other Hardware.
- 2 Double-click the MOTION EYE™ camera icon. The Camera Control Utility dialog box appears.


 You can also activate the camera control utility using the Jog Dial™ control. The camera control utility is available even while using other software applications that use the MOTION EYE camera.

- 3 Click the Image tab and drag the slider to the left or the right. The level settings increase as the slider is moved to the right, and decrease as it is moved to the left.
- 4 Click the Mode tab, and then click the item you want to set.

Features	Description
Brightness	Adjust the brightness
Contrast	Adjust the contrast of the light part and the dark part
Hue	Adjust the hue of the color
Color	Adjust the coloring
Sharpness	Adjust the sharpness
White balance	Adjust the colors to be more natural. Auto: Adjust automatically to natural colors. Indoor: Suitable for indoor capturing. Outdoor: Suitable for outdoor capturing. Hold: Suspend the proximate settings of the white balance, so that settings do not change automatically.
Shutter speed	Set the shutter speed: Auto: Adjust the shutter speed automatically. $\frac{1}{50}$: This speed is suitable for capturing images under fluorescent light. Hold: Suspend the proximate settings of the shutter speed, so that settings do not change automatically.


The appropriate mode will vary depending on the situation or subject. Switching between outdoor and indoor environments while setting the White Balance to Hold may cause colors to appear incorrectly. To correct color discrepancies, set White Balance to Auto and pture something white, and then wait approximately 10 seconds. The image should now display with the correct color.

- 5 Click OK.

 Click the Default button, and then click OK to return all settings to the default settings.

Notes on using the MOTION EYE camera

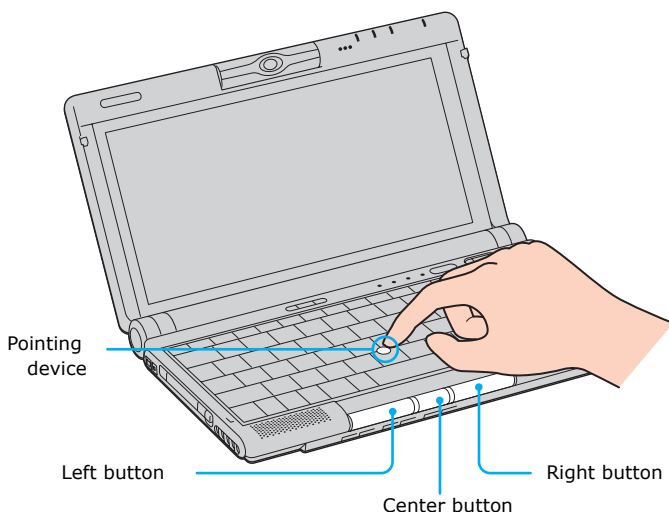
- ❑ Do not touch the camera lens, as dirt may accumulate and degrade picture quality.
- ❑ Do not point the camera toward the sun.
- ❑ You cannot detach the camera.
- ❑ Smart Capture Premium is unavailable while other software that uses the built-in camera is in use. Close all software that uses the built-in camera before you use Smart Capture Premium.
- ❑ You cannot transfer still images or video clips from the built-in camera while transferring to connected i.LINK® devices.
- ❑ Take an initial shot before taking a final shot to ensure sound and picture quality.
- ❑ You can adjust the sound quality for different sound environments. Click Start, point to Settings, and then point to Control Panel. Click Sounds and Multimedia and then Audio tab. Click Volume under the Sound Recording category. Adjust the volume level with the microphone slider.
- ❑ Your recording is not guaranteed.
- ❑ If your recording fails due to conditions unfavorable to the camera, the contents of your recording cannot be guaranteed.
- ❑ Clean the lens regularly. Picture quality is adversely affected when the lens is dirty. Use a non-abrasive lens cleaning cloth and approved lens cleaning fluid.

 MOTION EYE™ camera can also be used with the Microsoft® NetMeeting® application. For more information about the Microsoft® NetMeeting® application, open the Start menu, select All Programs, Accessories, Communications, and then click NetMeeting.

Using the Pointing Device


The pointing device on the keyboard enables you to point to, select, drag, and scroll objects on the screen.

Using the Pointing Device



Action	Description
Point	Press the pointing device in a direction to place the pointer on an item or object.
Click	Press the left button once.
Double-click	Press the left button twice.

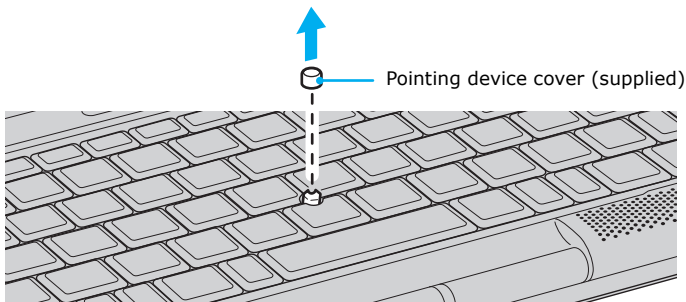
Action	Description
Right-click	Press the right button once. In many applications, this action displays a shortcut menu of context-sensitive choices.
Drag	Press the pointing device in a direction to place the pointer on an item or object. While holding the left button, press the pointing device in a direction, and then release it at the desired point.
Scroll	Press the pointing device while pressing the center button.


 The scroll function is available only with applications that support a scroll pointing device feature. Pressing the pointing device too hard may damage it.

To replace the pointing device cover

You can take off the pointing device cover and replace it with the additional cover supplied with your computer.

Replacing the Pointing Device Cover

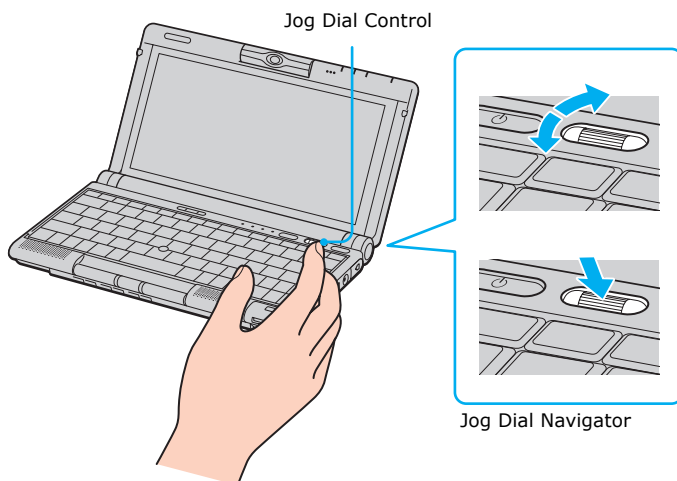


 Make sure the cover is tightly secured to prevent damage to the screen when you close the computer.

Using the Jog Dial Control

Your computer is equipped with a Jog Dial™ Control and Jog Dial Navigator software, which enables you to scroll through applications, folders, and documents from a predefined list. The Jog Dial Control and Jog Dial Navigator are only compatible with preinstalled Sony software.

Using the Jog Dial Control



To use the Jog Dial Control


- 1 Select a mode in which to navigate from the Indicate Window. See “Using the Indicate Window.”
- 2 Rotate the center Jog Dial™ Control to scroll up and down a selected menu.
- 3 Press the Jog Dial Control to select a menu item listed between the two arrows on the Jog Dial Launcher.
- 4 If necessary, press the Back button to return to the previous menu.

Using the Indicate Window

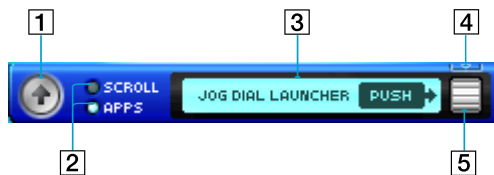
To scroll through applications, folders, and documents on your computer, you must first select a mode: Scroll or Application. The Indicate Window enables you to quickly select a mode:

- ❑ Scroll mode navigates through the menu items or functions of an active application.
- ❑ Application mode navigates through a menu of applications, which are compatible with the Jog Dial Navigator software.

As a default setting, the Indicate Window always appears as a floating window on your desktop unless you:

- ❑ Store it on your computer's taskbar by right-clicking the taskbar and selecting Jog Dial from the Toolbar menu. To make the Indicate Window reappear, right-click the taskbar and select Jog Dial from the Toolbar menu.
- ❑ Hide it by right-clicking anywhere on the Indicate Window and selecting Hide Indicate Window from the menu. To make the Indicate Window reappear, right-click the Jog Dial Navigator  icon on the taskbar, and select Display Indicate Window.
- ❑ Move it by clicking on the window and dragging it to another location.

Indicate Window



	Features	Function
1	Launcher button	Opens the Jog Dial Launcher.
2	Mode buttons	Offers mode options.

3	LCD area	Shows the current mode, and then the active application.
4	Close button	Closes the Indicate Window.
5	Jog icon	Opens the Application mode.

Selecting a mode

To select the Scroll mode

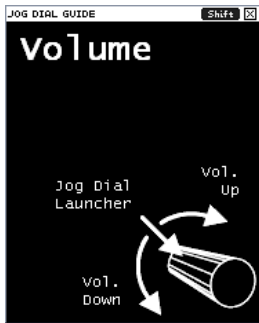
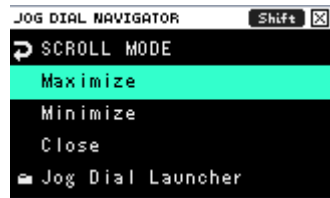
- 1 Click SCROLL on the Indicate Window.
- 2 Click the Launcher button. The Jog Dial Launcher window appears.

Jog Dial Launcher



To select the Application mode


- 1 Click APPS on the Indicate Window.
- 2 Click the Jog icon. The Jog Dial Navigator or the Jog Dial Guide windows appears, depending on the application you are using.


Jog Dial Guide**Jog Dial Navigator****Selecting a menu item**

To select a menu item in either Scroll or Application mode

- 1 Rotate the Jog Dial™ Control until the menu item you want to select appears between the two center arrows or is highlighted.
- 2 Press the Jog Dial Control. Pressing the Jog Dial Control is the equivalent of pressing Enter.

To change the Jog Dial settings


- 1 Right-click the Jog Dial Navigator  icon on the taskbar. A pop-up menu appears.
- 2 Select Jog Dial Setting. The Jog Dial Setting window appears.
- 3 Make your changes, and click OK.

For information about Jog Dial settings, right-click the Jog Dial Navigator  icon on the taskbar, and click Help.

Using the Jog Dial Navigator with Sony software

If Sony software that supports the Jog Dial™ Control is active, you can use the Jog Dial's functions that are allocated to that software*. For more information on functions allocated to software, see the software application's online Help.



* Some software applications do not support these functions.

For more information about Jog Dial Navigator, right-click the Jog Dial Navigator  icon on the taskbar, and click Help.

Using Memory Stick Media

This new compact, portable, and versatile recording medium has a data capacity exceeding that of a floppy disk. The media is specially designed for exchanging and sharing digital data with compatible products. Because it is removable, the media can be used for external data storage.

Types of Memory Stick media

Two types of Memory Stick® media are available. The first type, MagicGate™  Memory Stick media (hereafter referred as MG Memory Stick media), is provided with copyright protection. (The MG Memory Stick media are colored white.) The second type, simply referred to as Memory Stick  media, does not have the same copyright protection as MagicGate. (The Memory Stick media are colored purple.)

You can use both media with your computer.


For music, which requires copyright protection, you can only use MG Memory Stick media with your computer. You can also use compatible MagicGate devices to record and play back music when they are connected to your computer.

You can store mixed data on the Memory Stick media. For example, you can copy an image onto MG Memory Stick media that already contains music.

What is MagicGate?

MagicGate technology is copyright protection that consists of authentication and encryption technology. Authentication technology ensures that protected content is only transferred between compliant devices and media. Protected content is recorded and transferred in an encrypted format to prevent unauthorized duplication or playback.



Ensure that the MG Memory Stick media has the MG mark  .

To insert a Memory Stick media

- 1 Insert with the arrow facing toward the Memory Stick® media slot and the label facing up.

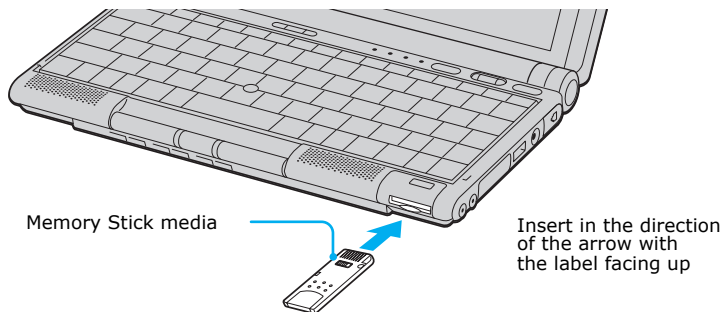


Inserting the media in the wrong direction may damage the connector pins.

Hold the Memory Stick media with the arrow pointing in the correct direction and then turn it so the label side is down before inserting into the slot. To avoid damaging the computer or the Memory Stick Media, do not force the Memory Stick media into the slot.

- 2 Carefully insert the Memory Stick media until it clicks into place.

Inserting Memory Stick



To view the contents of Memory Stick media

To see the contents, do the following:

- 1 Click Start on the Windows® taskbar, and select My Computer.
- 2 Under the heading “Devices with Removable Storage,” click Sony Memory Stick.

To remove a Memory Stick media

Make sure the access light is off. Push the media in toward the computer. When the media ejects, pull it out. When removing the Memory Stick media, be careful as it may eject completely from the slot.


Notes on using Memory Stick media

- ❑ When the media's write-protect tab is set to LOCK, data cannot be recorded or erased.
- ❑ Before using Memory Stick media, you should back up important data.
- ❑ Wait a minimum of 10 seconds after the media finishes reading or writing data before removing it. If the media is removed prematurely, an error message appears, prompting you to continue or exit. Reinsert the media into the slot and press Enter to continue. This enables the media to finish reading or writing data.
- ❑ You can enjoy video clips that you have recorded with compatible Memory Stick digital camcorders.
- ❑ The media slot can accommodate one media at a time.
- ❑ To copy images from a digital video camera via Memory Stick® media, see "Connecting an i.LINK Device" for more information.
- ❑ Only MG™ Memory Stick media can be used with copyright protected data like music.
- ❑ Do not remove the media or turn off the power while the access light is on.
- ❑ Do not use the media in locations that are subject to static electricity or electrical noise.
- ❑ Do not touch the media connector with your finger or metallic objects.
- ❑ Do not attach labels other than the supplied label to a media.
- ❑ Do not bend, drop, or shock the media.
- ❑ Do not disassemble or modify the media.
- ❑ Do not allow the media to get wet.
- ❑ Do not use or store the media in a location that is subject to:
 - ❑ Extremely high temperatures, such as in a car parked in the sun.
 - ❑ Direct sunlight.
 - ❑ High humidity or places with corrosive substances.

To prolong the life of the media, use the supplied storage case. See the instructions supplied with your media for more information on its use.

Using PC Cards

Your computer includes a PC Card slot. PC Cards enable you to connect portable external devices, such as an optical disc drive, or to connect to a network using a PC Network Interface Card (NIC).

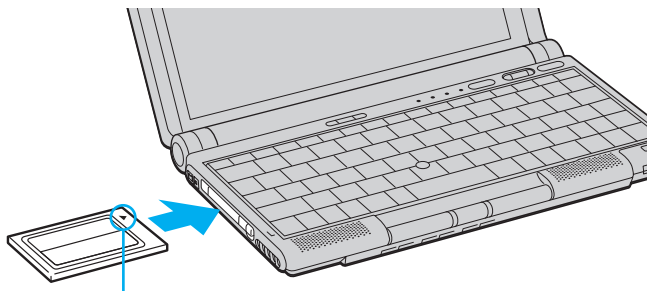
 The PC Card slot can accommodate a Type I or Type II PC Card. This slot is compatible with Card Bus. Type III PC Cards are not supported.

To insert PC card


 You do not need to turn off the computer before inserting or removing a PC Card.

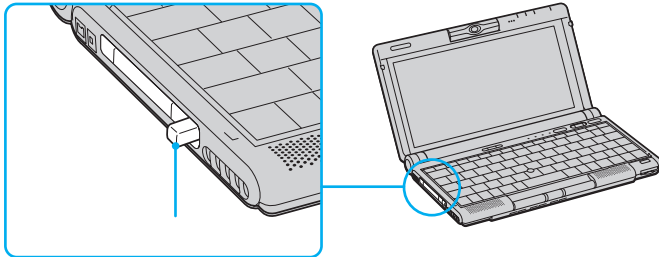
- 1 Insert the PC Card into the PC Card slot with the front label facing up.

Inserting PC Card



Insert in the direction of the arrow.

- 2 Push the PC Card gently into the slot until the release button pops out. The PC Card is automatically detected by your system. If your computer is on, the  Unplug or Eject Hardware icon appears on the taskbar.

Release Button

Release button




Do not force a PC Card into the slot. It may damage the connector pins.

When a PC Card is inserted, do not place your computer in a bag or case. Pressure or shock to a PC Card may damage your computer.

Touching the head of the PC Card will not cause damage to the connector pins, but damage can occur if the head of the PC Card is sticking out of the computer while the unit is being transported.

To remove a PC Card

If your computer is turned on, follow these instructions. If your computer is turned off skip to step number 5.


- 1 Close all applications that use the PC Card; otherwise, data may be lost.
- 2 Double-click  Unplug or Eject Hardware icon on the taskbar.
- 3 Select an option in the Hardware devices box, and click Stop. The Stop a Hardware device window appears.
- 4 Click OK to confirm your selection, and then click Close.
- 5 Push the release button. The release button pops out.
- 6 Push the release button a second time (in some cases). Remove the card.

Notes on PC Cards

- ❑ For some PC Cards, if you alternate between normal power operation and the Standby or Hibernate power management modes while the card is inserted, you may find that a device connected to your system is not recognized. Restart your system to correct the problem.
- ❑ Some PC Cards may require that you disable idle devices when using the PC Card. You can use Sony Notebook Setup to disable devices. See “Displaying the Sony Notebook Setup Screen” for more information.
- ❑ Use the most recent software driver provided by the PC Card manufacturer.
- ❑ If an exclamation mark (!) appears on the Device Manager tab in the System Properties dialog box, remove the software driver and then reinstall it.
- ❑ You may not be able to use some PC Cards or some functions of the PC Card with this computer. If you have difficulty inserting a card, check that you are orienting the card correctly. See the manual supplied with your PC Card for more information on its use.

Using Power Saving Modes

When you use a battery as the source of power for your computer, you can take advantage of power management settings to conserve battery life. In addition to the normal operating mode, which enables you to turn off specific devices, your computer has two distinct power saving modes: Standby and Hibernate. When using battery power, be aware that the computer automatically enters Hibernate mode when the remaining battery charge drops below 5 percent, regardless of the power management setting you select.

 If the battery level falls below 10 percent, you should either attach the AC adapter to recharge the battery or shut down your computer and insert a fully charged battery.

Normal mode

Normal mode is the normal state of your computer when it is in use. The power indicator displays green when your computer is in this mode. To save power, you can turn off a specific device such as the LCD or the hard disk.

Standby mode

In Standby Mode the computer saves the current state of the system in RAM and switches off power to the CPU. The amber power indicator flashes in this mode.

To activate Standby mode


- 1 Press the key combination Fn+Esc. You can also use the PowerPanel™ utility to enter Standby mode.
- 2 Press any key to return to normal mode.

Hibernate mode

In the Hibernate mode, the state of the system is saved on the hard disk drive and power is turned off. The power indicator is off in this mode.

To activate Hibernate mode

- 1 Press the key combination Fn+F12, or press the power button and release it immediately. The computer enters Hibernate mode.

 Do not move the computer until its power indicator turns off.


- 2 Press the power button to return to normal mode.

Notes on power saving modes

- ❑ When returning from Hibernate mode (by pressing the power button momentarily) the system status stored on the hard disk is erased and the computer starts normally.
- ❑ Standby uses more power than Hibernate.
- ❑ Standby requires less time than Hibernate to return to normal mode.

Connecting a Telephone Cable

You need to connect a telephone cable (not supplied) to take advantage of online services and the Internet.

 In order to register your VAI0® computer, register your software online, and use Sony Customer Support, you must connect to a telephone cable.

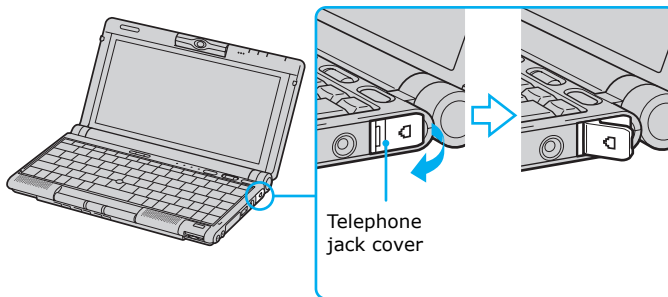
How to connect a telephone cable

- 1 Open the telephone jack cover. The cover opens only to a 45-degree angle.



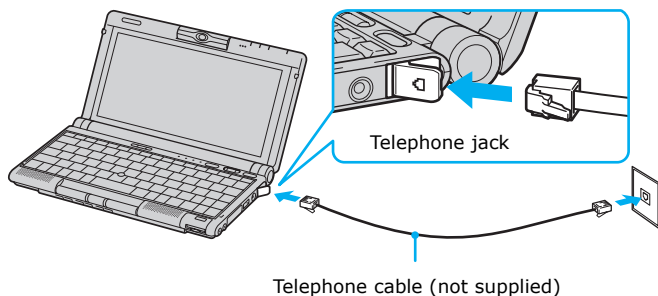
Use care when opening the telephone jack cover. Opening it beyond a 45-degree angle may result in damage to the unit.


Opening Telephone Jack Cover



- 2 Plug one end of the telephone cable into the telephone jack. You must insert the cable from the rear of the computer.
- 3 Plug the other end of the telephone cable into the wall jack.

Plugging in Telephone Cable



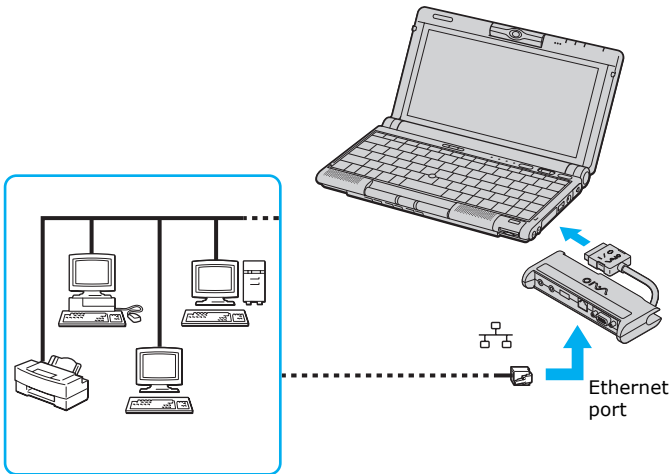
 Your computer does not work with party lines, cannot be connected to a coin-operated telephone, and may not work with multiple telephone lines or a private branch exchange (PBX). Some of these connections may result in excess electrical current and could cause a malfunction in the internal modem.


If you connect a telephone cable coming through a splitter, the modem or connected device may not work properly.

Connecting to a Local Area Network

You can connect your computer to 10BASE-T and 100BASE-TX-type Local Area Networks (LANs) by using the supplied port replicator and its Ethernet port. For the detailed settings and devices needed to connect to the network, ask your network administrator.

Connecting to LAN



Warning: Only connect 10BASE-T and 100BASE-TX cables to the  Ethernet port. Do not connect any other type of network cable or any telephone line. Connecting cables other than those listed above may result in an electric current overload and could cause a malfunction, excessive heat, or fire in the port. To connect the unit to the network, contact your network administrator.

If you enable Wake on LAN, the power saving mode will be switched to Standby mode.

To set up your ethernet connection

To connect to a network:

- 1** Click Start, select My Computer, and click My Network Places under the Other Places header.
- 2** Click “Add a network place” under the Network Tasks header, or click “Set up a home or small office network,” depending on your configuration. Depending on your choice, either the The Add Network Place Wizard or Network Setup Wizard appears.
- 3** Follow the on-screen instructions.

Connecting Peripheral Devices

You can add functionality to your computer by connecting a variety of peripherals, as discussed in the following sections:

- ❑ Connecting the Port Replicator
- ❑ Connecting a Floppy Disk Drive
- ❑ Connecting a PC Card Bus Drive
- ❑ Connecting an i.LINK Optical Disc Drive
- ❑ Connecting a USB Mouse
- ❑ Connecting VAIO Computers
- ❑ Connecting an i.LINK Device
- ❑ Connecting an External Display
- ❑ Connecting a USB Printer
- ❑ Connecting an External Microphone
- ❑ Connecting External Speakers
- ❑ Expanding Your Computer's Capabilities

Connecting the Port Replicator

Your computer is supplied with a port replicator to enable you to connect additional devices. The port replicator is equipped with one each of the following:

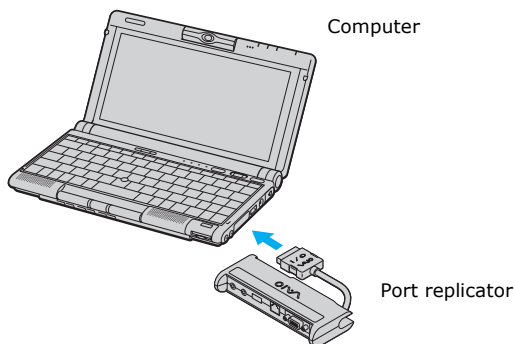
- Monitor port
- Ethernet port
- USB port
- AV Out jack
- AV In jack

To connect a port replicator


When connecting the port replicator to the computer, make sure the VAIO® logo on the connector faces up.

- 1 Open the port replicator port cover on the side of the computer.

Connecting the Port Replicator



- 2 Insert the port replicator connector gently into the port until it clicks into place. Make sure the VAIO® logo on the connector faces up.
- 3 Connect any compatible peripheral devices to the port replicator.

 Retail videos played back on a DVD player or VCR and videos received via a digital CS tuner contain copyright protection signals and cannot be displayed or recorded. If you use the AV In jack on the port replicator to import a video containing copyright protection signals, the video input image turns black to disable video display or record functions.

Analog signals from video playback may also produce electronic "noise" distortions that can disable video display or record functions.

Connecting a Floppy Disk Drive

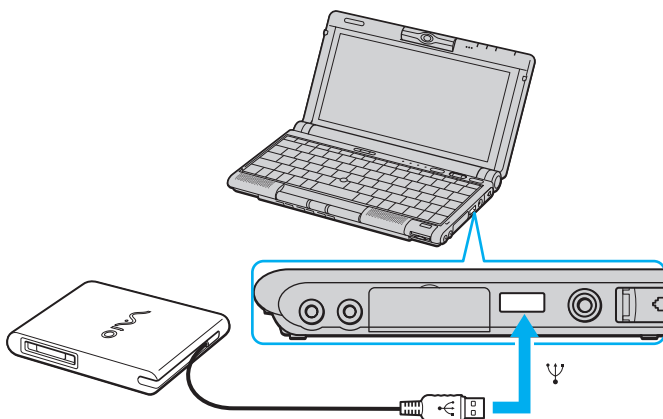
You can connect an optional floppy disk drive to the USB Ψ port on your computer.

To connect the floppy disk drive

 You do not need to turn off the computer to connect or disconnect the floppy disk drive.

Plug the USB cable from the floppy disk drive into the USB Ψ port on the computer. The VAIO® logo on the disk drive should be facing up.

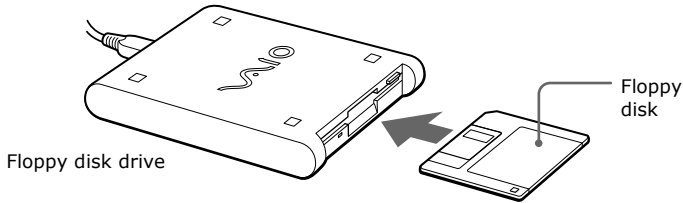
Plugging in USB Cable



To insert a floppy disk

- 1 Hold the floppy disk with the label side facing up.
- 2 Gently push the floppy disk into the drive until it clicks into place.

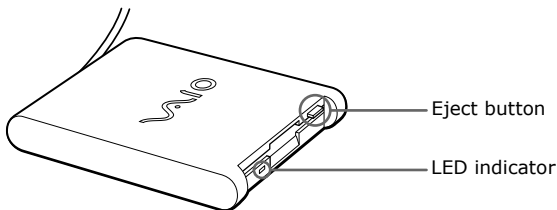
Inserting a floppy disk




To remove a floppy disk

- ❑ When you finish using the floppy disk, wait until the LED indicator light turns off, and then press the Eject button to remove the disk.

Removing a floppy disk



To remove the floppy disk drive when the computer is on

- 1 Close all applications that use the floppy disk drive; otherwise, data may be lost.
- 2 Double-click the  Safely Remove Hardware icon on the taskbar. The Safely Remove Hardware window appears.
- 3 Select an option in the Hardware devices box, and click Stop. The Stop a Hardware device window appears.
- 4 Click OK to confirm your selection, and then click Close.
- 5 Unplug the floppy disk drive from the computer.

To carry the floppy disk drive

Fold the floppy disk cable into the compartment on the right side.

Notes on handling floppy disks

- Do not open the shutter manually and touch the surface of the disk.
- Keep disks away from magnets.
- Keep disks away from direct sunlight and other heat sources.

Connecting a PC Card Bus Drive

You can use an optional PC Card Bus drive with your computer. Some PC Card Bus drives draw power from the computer through the PC Card. If you use this type of drive when the computer is running on battery power, the battery life will be shorter.



If you connect a non-Sony DVD drive to your VAIO® computer, the DVD playback may not function properly. The bundled DVD software must be installed to play a DVD.

For best performance, it is recommended that you use a Sony compatible DVD drive.

To connect a PC Card Bus drive

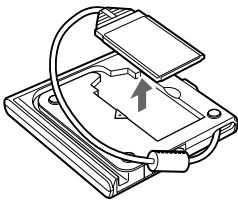
Procedures for connecting an optical drive may vary, depending on the specific drive you purchase. See the manual supplied with your optical drive for more information on its installation and use.



You can connect an optical drive while the computer is on. For specific instructions on using your supplied Application Recovery and System Recovery CDs, see “Using Your Recovery CDs” for more information.

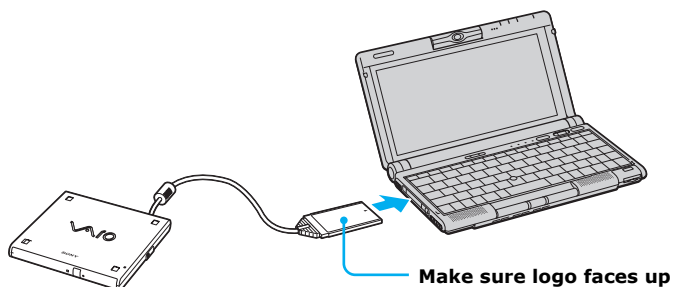
- 1 Remove the PC Card from the bottom side of the optical drive.


Removing PC Card



- 2 Insert the PC Card into the PC Card slot with the SONY logo facing up. See “Using PC Cards” for details.

Inserting PC Card

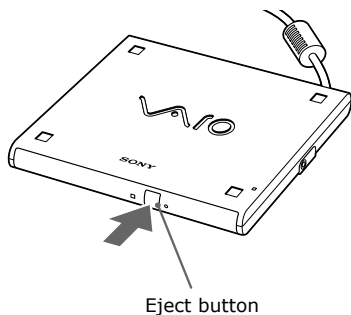


 A protective cover is attached to the lens of the optical drive at the factory. Before using the optical drive, remove the protective cover.

To insert a disc

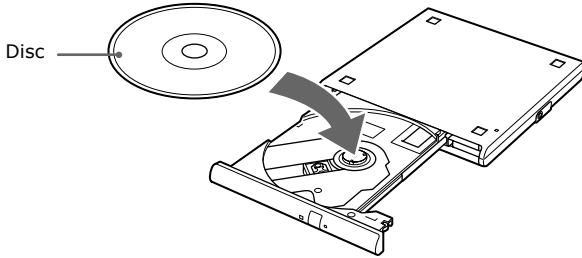
- 1 Press the Eject button. The disc tray slides out.

Optical Drive



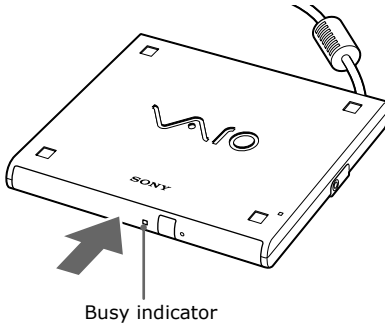
- 2 Place the disc in the tray with the label side facing up.
- 3 Push the disc onto the hub until the disc clicks into place.

Inserting Disc



- 4 Close the tray by pushing it in gently. The Busy indicator on the drive flashes while your computer is reading data from the disc.

Flashing Busy Indicator



To remove the drive

Remove the PC Card from the computer. See “To remove a PC Card” for more information.

Notes on CD and DVD discs

Handling CD or DVD discs

- ❑ Do not touch the surface of the disc.


- ❑ Do not drop or bend the disc.
- ❑ Avoid using adhesive labels to identify your discs. Adhesive labels may come off while the disc is in use in your optical drive, and may cause damage to the unit.

Cleaning CD or DVD discs

- ❑ Fingerprints and dust on the surface of a disc may cause data reading errors. Proper care of the disc is essential to maintain its reliability. Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray, as they may cause damage to the disc.
- ❑ For normal cleaning, hold the disc by its edge and use a soft cloth to wipe the surface from the center out.
- ❑ If the disc is badly soiled, moisten a soft cloth with water, wring it out well, and use it to wipe the surface of the disc from the center out. Wipe off any remaining moisture with a dry soft cloth

Connecting an i.LINK Optical Disc Drive

You can use the supplied i.LINK®* optical disc drive with your computer. The i.LINK optical disc drive draws power from the computer through the power cable that is integrated with the VAIO Computer Peripheral Cable. Use the i.LINK optical disc drive with your preinstalled software to create CDs and play DVD movies. See “About the Software on Your Computer” for more information.

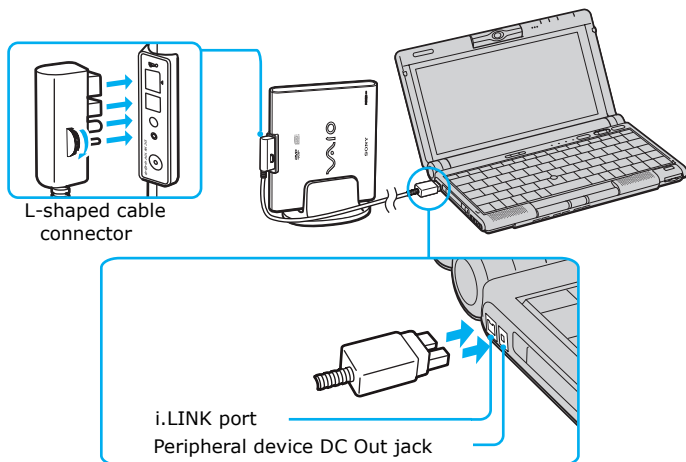
 If you connect and use an optional drive when your computer is running on battery power, the battery life will be shorter.

To connect an i.LINK optical disc drive

- 1 Close any active applications to help prevent data loss.
- 2 Turn on power to the computer. Insert the L-shaped plug of the VAIO® Computer Peripheral Cable (supplied with the i.LINK drive) into the matching jack on the rear of the i.LINK drive. Secure the plug by turning the screw on the cable connector clockwise.

* i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other. Refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as a CD-RW or hard disk drive, confirm their operating system compatibility and required operating conditions.


Connecting i.LINK optical disc drive



- 3 Insert the straight-shaped, two-prong plug of the VAIO® Computer Peripheral Cable into both the computer's i.LINK port and peripheral device DC Out jack.
- 4 The i.LINK drive's power indicator lights up, and the computer will automatically detect and identify the connected drive.
- 5 Click Start on the Windows® taskbar, and select My Computer to verify that an icon for the i.LINK optical disc drive has been added in the window.

 The Sony i.LINK optical disc drive is compatible only with certain Sony VAIO® PCG series computers preinstalled with Microsoft® Windows® XP Home Edition or Professional.


To disconnect an i.LINK optical disc drive

 Close all open software applications.

- 1 Close all applications that use the i.LINK optical disc drive, and wait for the drive's BUSY indicator to turn off.
- 2 Disconnect the VAIO Computer Peripheral Cable from the computer.


To play a DVD

To play a DVD, you may use the optical disc drive and the preinstalled WinDVD® application. For more information, see the Help menu in the WinDVD application.

 Before you use the optical disc drive to play a DVD, quit any open applications.

Your optical drive can read most DVD-R media. When you are ready to play a DVD, read the suggestions below to maximize your video viewing experience.

- ❑ When playing a DVD on battery power, set the power management profile to DVD. You can also set the power management profile to Automatic Profile Selection if the display is not clear when using other profiles.

 Automatic Profile Selection sets the power management profile to DVD whenever a DVD is inserted. See “Controlling Power Management” for more information.

- ❑ If you connect your computer to a TV display, you may need to adjust the display resolution. Read the suggestions below to set the display resolution to the proper dimensions. Also see “Selecting the Display Mode” for more information.
- ❑ If the computer is set to the default display setting, part of the video screen will not appear. To view the entire screen, adjust the display resolution to 640 x 480.



Some discs recorded at 20 or 24 bits may produce noise while playing. If you have audio devices connected, this may cause damage to your hearing and the speakers. Reduce the volume before playing a DVD.


You cannot use the Fn + F8 function to switch between LCD and TV once a DVD is inserted into the optical drive.

Do not switch between LCD and the external display while the DVD is playing. This may cause a malfunction, and you may need to restart the DVD software.

Do not switch the power saving modes while you are playing the DVD.

Change the settings to disable the screen saver and the virus checker.

Do not use memory-resident utility software to speed up disc access. This may cause the computer to malfunction.

 If a region code warning appears when you try to play a DVD, the DVD may be incompatible with the optical disc drive. Check the region code listing on the DVD packaging.

To play an audio CD

To play an audio CD, make sure the audio function is turned on. To do this, complete the following procedure.

 The optical disc drive must be installed before you begin.

- 1 Open the Start menu, point to Control Panel, Performance and Maintenance, and then click System. The System Properties window appears.
- 2 Select the Hardware tab and then click Device Manager in the Device Manager box. A window appears, listing your computer hardware devices.
- 3 Double-click DVD/CD-ROM drives. From the drop-down list, double-click the drive name. A properties window appears.
- 4 Click the Properties tab.
- 5 Select the “Enable digital CD audio for this CD-ROM device” check box if it is not already selected and then click OK.

Notes on CD and DVD discs

- Do not drop or bend the disc.

- ❑ Do not touch the surface of the disc. Fingerprints and dust on the surface of a disc may cause reading errors. Proper care of the disc is essential to maintain its reliability. Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray, as they may cause damage to the disc.
- ❑ For normal cleaning, hold the disc by its edge and use a soft cloth to wipe the surface from the center out.
- ❑ If the disc is badly soiled, moisten a soft cloth with water, wring it out well, and use it to wipe the surface of the disc from the center out. Wipe off any remaining moisture with a dry, soft cloth.

To write data to a CD-RW or CD-R disc *

You can use Sony SonicStage and Microsoft® Windows® XP to write data to a CD-R or CD-RW disc. To create a CD-R disc that is readable in a CD-ROM drive, make sure that you finish the writing process before ejecting the disc. For more information, see the instructions included with Windows® XP.




Do not strike or shake the computer while writing data to a disc.

Always use the AC adapter as the power source for your computer if you are writing data to a CD-RW or CD-R disc. Using battery power may result in data transfer failure.

Notes on writing data to a CD-RW or CD-R disc

- ❑ For optimal writing speed, deactivate the screen saver and exit anti-virus software before writing data to a disc.
- ❑ For best results, use CD-Rs that are compatible with 8x speed.
- ❑ Your computer does not support 1x writing speed.
- ❑ Memory-resident disc utilities may cause unstable operation or data loss. Deactivate these utilities before writing data to a disc.
- ❑ If your notebook computer has preinstalled Microsoft® Office applications, such as Excel, Word, and Outlook, turn off the FindFast application.

* For computer models equipped with a CD-RW/DVD Combo Drive.

 Making copies of and using CD-ROMs or music CDs may violate copyright laws or the terms of the End-User Software License provided with such CD-ROMs or music CDs. Be sure to comply with the copyright laws and terms of the End User Software License when making or using original CDs. If you have any questions regarding the copyright laws or the terms of the End-user Software License, please consult with the appropriate legal experts.

Notes on using i.LINK optical disc drives

- ❑ You can use the supplied Application Recovery and System Recovery CDs with an i.LINK optical disc drive. See “Application and System Recovery CDs” for more information.
- ❑ Do not use an optional i.LINK optical disc drive and an optional optical disc drive with PC Card at the same time. Connecting both drives may cause the system to malfunction.

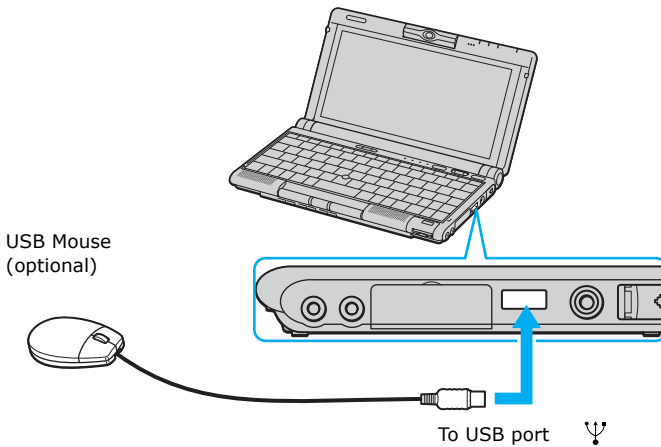
Connecting a USB Mouse


You can connect an optional USB mouse, such as the Sony PCGA-UMS1 series, to your computer.

To connect a USB mouse

Plug the mouse cable into the USB port. PCGA-UMS1 series drivers have already been installed.

Connecting a USB Mouse



 A serial mouse or PS/2® mouse is not compatible with the VAIO® C1 PictureBook® computer.

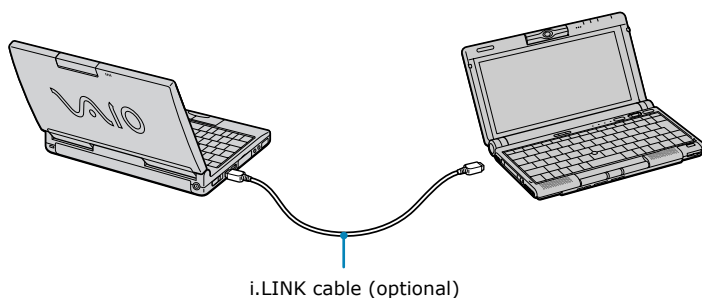
See the manual supplied with your mouse for more information on its installation and use.

Connecting VAIO Computers

Connecting with i.LINK

The preinstalled Microsoft® Windows® XP operating system enables you to use a compatible i.LINK®* cable (not supplied) to connect your VAIO computer to another compatible computer. You can use one computer to edit, copy, or delete files on the other computer. You can also print from a printer attached to either computer.

Connecting with an i.LINK cable




To connect two VAIO computers

- 1 Right-click My Computer, and select Properties.
- 2 Select the Computer Name tab, and type in a unique name for the computer. You will use this unique name to differentiate the two computers once they are networked together.
- 3 Click Apply, and then click OK.


* i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other. Refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as a CD-RW or hard disk drive, confirm their operating system compatibility and required operating conditions.

- 4 Repeat steps 1 to 3 on the second computer.
- 5 Reboot both computers to install these settings.
- 6 Connect one end of the i.LINK cable to the i.LINK port on each computer.


 To connect VAIO computers that do not have the latest Windows® operating system, Smart Connect software may be necessary. Consult the Sony Computing Support Web site for support options (<http://www.sony.com/pcsupport>).

Connecting an i.LINK Device

Your VAIO® computer includes an i.LINK®* S400 (IEEE 1394) port, which you can use to connect a compatible i.LINK device, such as an i.LINK enabled digital video camera recorder.

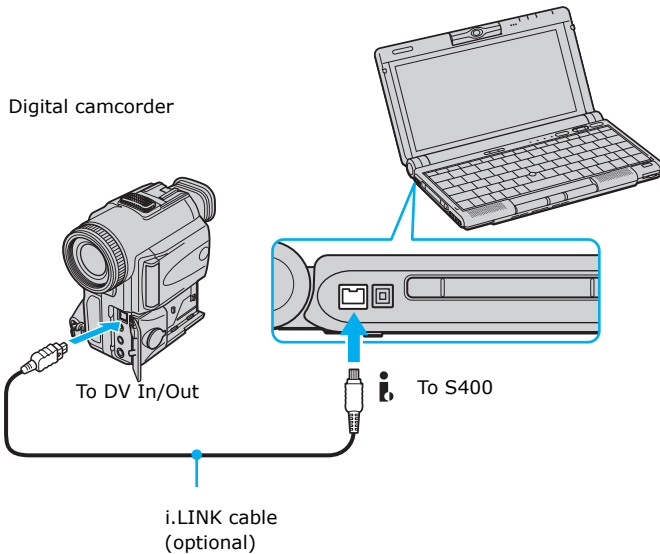
 You can purchase compatible i.LINK cables from your local retailer, through the Sony VAIO® Direct Web site (<http://vaio.sonymstyle.com>), or by calling 1-888-315-7669 (toll free).

To connect a digital camcorder

- 1 Turn on the digital camcorder.
- 2 Plug one end of an i.LINK® cable into the  S400 port on the left side of the computer and the other end into the DV In/Out port on the digital camcorder.


* i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other. Refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as a CD-RW or hard disk drive, confirm their operating system compatibility and required operating conditions.

Connecting a Digital Camcorder*



* Your digital camcorder may need to be connected differently.

Notes on connecting an i.LINK device

- ❑ Only the i.LINK / DV In/Out  port on the digital video camera is i.LINK-compatible.
- ❑ Do not connect more than one digital video camera at a time. The software supplied with your computer will not recognize multiple cameras.
- ❑ The i.LINK port does not supply power to external devices. If the external device requires power from the i.LINK port, you cannot use the device with the computer.
- ❑ The C1 PictureBook® computer supports transfer rates up to 400 Mbps; however, the actual transfer rate is limited to the maximum transfer rate supported by the external device. If multiple devices are connected, the transfer rate will be the lowest maximum transfer rate for the connected devices.

- ❑ The i.LINK® features available may vary depending on the software applications you use. See the documentation supplied with your software for more information.
- ❑ See the manual supplied with your digital camcorder for more information on its installation and use.

Connecting an External Display

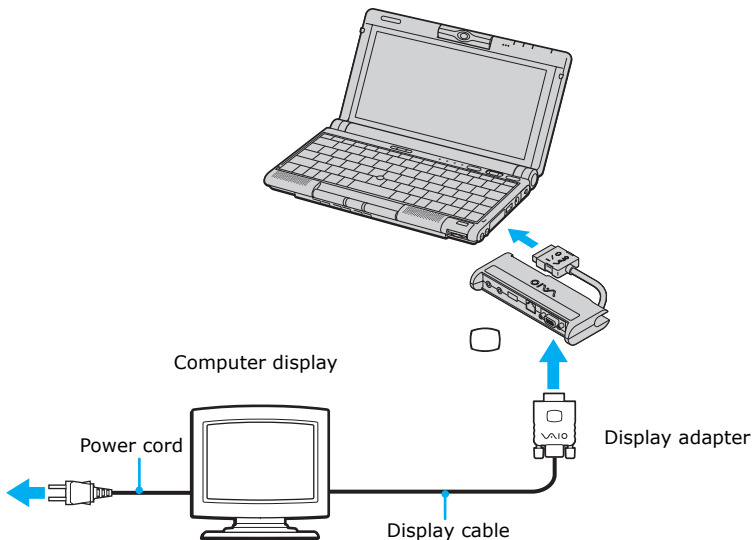
You can connect an external display to your VAIO® C1 PictureBook Computer. For example, you can use the computer with any of the following:

- ❑ Computer display or monitor (See “To connect a computer display” for more information)
- ❑ Projector (See “To connect a projector” for more information)
- ❑ TV (See “To connect a TV” for more information)

To connect a computer display

- 1 Connect the port replicator to the computer.
- 2 Connect the display adapter to the Monitor port on the supplied port replicator.

Connecting a Display



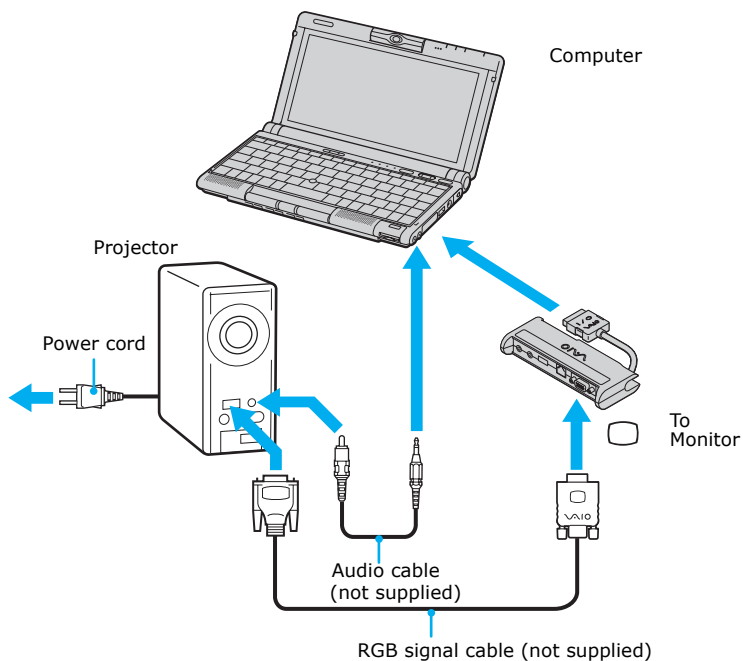
 See the manual supplied with your computer display for more information on its installation and use.

To connect a projector

You can use a projector, such as the Sony LCD Projector, as an external display.

- 1 Connect the port replicator to the computer.
- 2 Plug one end of the RGB signal cable (not supplied) into the Monitor port on the port replicator and the other end into the projector's corresponding port.
- 3 Plug the audio cable into the Headphone Ω jack.

Connecting a Projector



 You may not be able to display the computer's LCD and the external display together, depending on the specific computer display or projector used.

Connect the AC adapter after you finish connecting all other peripheral devices. Turn on all the peripheral devices before you turn on the computer.

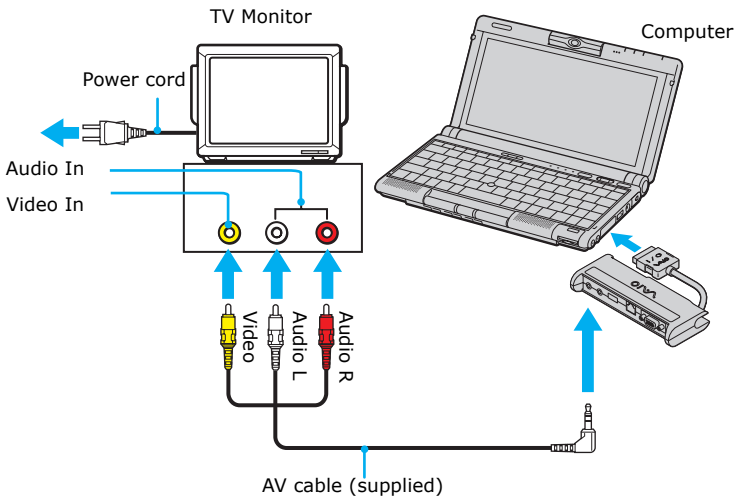
See the manual supplied with your projector for more information on its installation and use.

To connect a TV

Use the supplied AV cable to connect your TV monitor to your computer.

- 1 Connect the port replicator to the computer.
- 2 Plug the supplied AV cable into the AV/TV Out jack on the port replicator.
- 3 Plug the other ends of the AV cable into the TV.

Connecting a TV



 See "Selecting the Display Mode" for more information.

Connecting a USB Printer

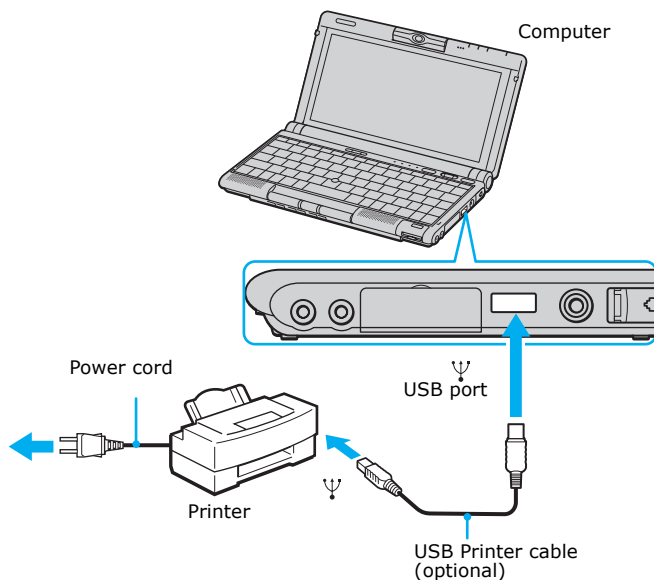
You can connect a Windows® compatible printer to your computer to print documents.


 To use a printer, first install the driver software supplied with your printer.

To connect a printer

Plug the optional USB printer cable into the USB port on your computer and the USB port on your printer. You can also connect the USB printer cable into the USB port on the supplied port replicator.


Connecting a Printer




 See the manual supplied with your printer for more information on its installation and use.

Connecting an External Microphone

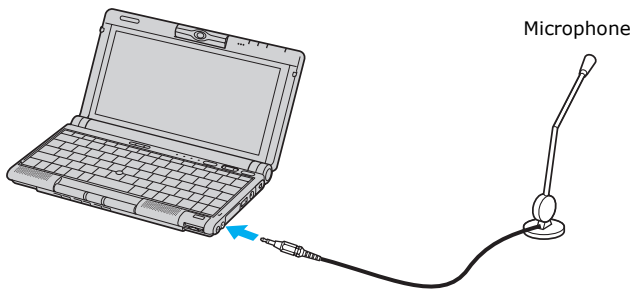
You can enhance the quality of sound input by using an external microphone.

 Make sure your microphone is designed for computer use.

To connect an external microphone

Use the  symbol to locate the Microphone jack. Plug the microphone cable into this jack.

Connecting a Microphone




 See the manual supplied with your microphone for more information on its installation and use.


To record from a microphone or audio equipment

You can record messages, memos, or other recordings in analog by connecting a microphone or other audio equipment to the Microphone jack of your computer and then switching the jack functionality. The Microphone jack is for MIC IN (monaural).

To switch the microphone jack functionality

To switch the Microphone jack functionality for use with a microphone or an audio device:


- 1 Double-click  on the Windows® taskbar. The Volume Control window appears.
- 2 From the Options menu, click Properties. The Properties window appears.
- 3 In the Adjust Volume panel, select Recording, and then click OK. The Recording Control window appears.
- 4 Select either Microphone or Line.

 When you are recording using a microphone, select Microphone. If you are recording using other audio equipment, select Line.


To adjust sound volume in the Recording Control window

When Microphone or Line are not displayed in the Recording Control window, do the following:

- 1 Select Options and click Properties.
- 2 Click the item you want to display in Control.
- 3 Click OK.


 You can only adjust the recording volume in the Recording Control window in step 3. If you adjust the volume in step 1, the adjustment is only effective for playing sound. It does not adjust the volume for recording sound.

To increase the sound of the microphone

- 1 Double-click  on the task tray located in the lower right corner of the Desktop window. If Microphone is not displayed, from the Options menu click Properties, select Microphone from the Control panel, and then click OK.
- 2 From the Microphone panel, click Advanced. The Advanced Controls for Microphones dialog box displays.
- 3 Click Mic 20dB in Other Controls, and then click Close.

To adjust sound device volume

You can adjust the sound device volume for playing or recording.

To adjust the volume when playing, double-click  in the task tray located in the bottom right corner of the Desktop window. The Volume Control window is displayed.


To adjust the sound of other devices, do the following:

- 1 Select Options and click Properties.
- 2 In the Volume Adjust window, select Playback.
- 3 Click the check box of the item you want to display in Control.
- 4 Click OK.

<i>Sound device</i>	<i>Function</i>
Volume Control	Adjust the sound level from the speakers or headphones.
WAVE	Adjust the wavfile sound or the system sound of Windows.
PC Beep	Adjust the beep sound when inserting or removing the PC Card and other devices.
Telephone	Adjust the modem or telephone line volume.
Microphone	Adjust the internal or external microphone volume.
Line	Adjust the audio equipment volume.
CD Audio	Adjust the volume of the CD in the optional optical drive.
MIDI Out	Adjust the MIDI sound.
3D Wide	Widen the sound effect. (This is effective for games and similar applications.)


To set the microphone to echo

- 1 From the Start menu, select Control Panel.
- 2 Double-click YAMAHA DS-XG.
- 3 Select the Echo tab.
- 4 You can also customize the setting by choosing options such as Delay Time and Feedback.
- 5 Click OK.

 When recording or using microphone echo, some software options may not be available.

To modify the MIDI sound

- 1 From the Start menu, select Control Panel.
- 2 Click the YAMAHA DS-XG Audio Config icon. (If you do not see the icon that you are looking for, click “Display all the options of the Control Panel.”)
- 3 Select the Synthesizer tab.
- 4 Select the desired effect, and then click OK.

To adjust the sound volume when recording, double-click  in the task tray located in the lower right corner of the Desktop window.

- 1 From the Options menu, select Properties.
- 2 In the Volume Adjust window, select Recording, and then click OK. The Recording Control window appears.

You can adjust the sound using the Smart Label software (included) or the sound recorder.


<i>Sound device</i>	<i>Function</i>
Telephony	Adjust the modem or telephone line sound.
Microphone	Adjust the internal or external microphone sound.

<i>Sound device</i>	<i>Function</i>
Line	Adjust the audio equipment sound volume.
CD Audio	Adjust the digital sound volume of CD of the optional optical disc drive.
Stereo Out	Adjust the sound from Volume Control. The bass boost function is not enabled.

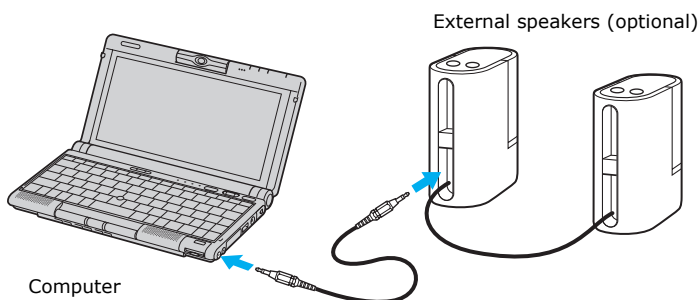
Connecting External Speakers

You can enhance the sound quality of your computer by connecting external speakers.

To connect external speakers


- ❑ Use the  symbol to locate the Headphone jack. Plug the speaker cable into this jack.


Connecting external speakers



Notes on using external speakers

- ❑ Make sure that the speakers you purchased are designed for computer use.
- ❑ Before you turn on the speakers, turn down the volume.
- ❑ Do not place floppy disks or other data disks on or near the speakers; the speakers' magnetic field may damage the data on the disks.

 If you connect speakers or headphones to the computer and experience noise distortion while listening to music, use the preinstalled PowerPanel™ software to change the CPU control setting. See "Troubleshooting Audio" for more information.

 See the manual supplied with your speakers for more information on their installation and use.

Expanding Your Computer's Capabilities

The following peripheral devices can be connected to your computer, to expand the capabilities of your computer and enhance its versatility to meet your various business or personal needs:

- A Personal Digital Assistant (PDA)
- The Wireless LAN Access Point
- The Wireless LAN PC Card

Personal Digital Assistant

A handheld PDA is the quintessential personal planner and entertainment center that fits in your pocket. With a PDA, you can easily perform the following functions:

- Enter your schedule details in the calendar and view them by the day, week, or month, and even set an alarm to remind you of important events.
- Keep your contact names, addresses, telephone numbers, and other details in the address book, and find them when you need them.
- Add tasks to the To Do List, prioritize them, and assign them due dates.
- Synchronize your data with the software on your computer, to back up your data.
- Track expenses when you are out of the office, then transfer the data to your computer.
- Exchange data with your computer.


The Wireless LAN Access Point

The Wireless LAN Access Point, which is also called the Access Point, is designed for building a wireless LAN (Local Area Network) environment. The Access Point comes with the Wireless LAN PC Card and required software. You can easily build a wireless LAN environment by plugging the Access Point into an AC power outlet, installing the Wireless LAN PC Card in your computer, and using the provided software. Because a wireless LAN configuration requires no wiring, you can operate multiple computers more freely than ever before.

You can also connect your Access Point to a telephone line, Integrated Services Digital Network (ISDN) router, cable modem, or Digital Subscriber Line (xDSL) modem to share access to the Internet among multiple computers.

The Wireless LAN PC Card

The Wireless LAN PC Card, which comes with the Wireless LAN Access Point, can be purchased separately and is designed for building a wireless LAN environment. The Wireless LAN PC Card can be used with or without the Access Point. With the Access Point, you can build a wireless LAN between computers that are equipped with the Wireless LAN PC Card and gain access to the Internet. Without the Access Point, you can achieve direct communication (Peer to Peer mode) between computers.

 For more information on Sony Wireless LAN, go to <http://www.sonystyle.com/vaio>.

Customizing Your VAIO Computer

You can customize the settings of your computer. The following sections briefly describe how to change your computer's default settings. You can also refer to Sony Notebook Setup Help for more detailed information.

- ❑ Displaying the Sony Notebook Setup Screen
- ❑ Controlling Power Management
- ❑ Displaying Battery Information
- ❑ Selecting the Display Mode
- ❑ Using the Multilingual User Interface Language Option

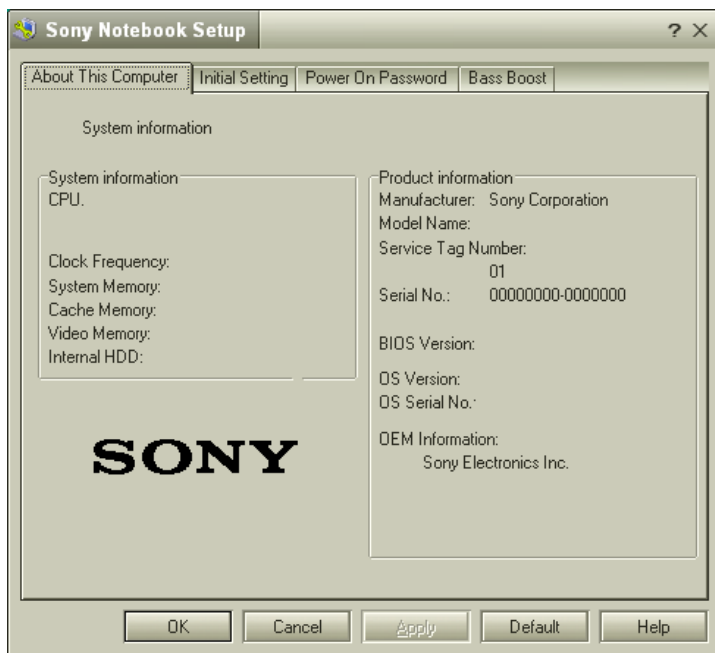
Displaying the Sony Notebook Setup Screen

 See the manual supplied with your computer display for more information on its installation and use.

To display the Sony Notebook Setup screen:

- 1 Click Start on the Windows® taskbar, and then Control Panel.
- 2 Click Performance and Maintenance, and then Sony Notebook Setup.


Sony Notebook Setup Screen



- 3 Select the tab for the item you want to change. See Sony Notebook Setup tabs for more information.
- 4 After you finish making your changes, click OK.

Sony Notebook Setup tabs

Tab	Description
About This Computer	Display system information, including memory capacity, serial number, and BIOS version.
Initial Setting	Change the volume of the sounds that play while the operating system is loading. Select the order of drives and devices from which you want to load the operating system. You can specify the hard drive as well as other drives inserted into your computer.
Power On Password	Set the password to secure your computer.
Bass Boost	Set the Bass Boost option.

 For more information about each option, click Help on the Sony Notebook Setup window to display the Help file.

Controlling Power Management

The PowerPanel™ utility allows you to control the power management of your computer and provides key information about system activity and battery life. The following sections briefly describe how to conserve your computer's battery power. You can also refer to PowerPanel Help for more detailed information. To activate a profile or command, see “Displaying Battery Information” for details.


To view the Power Management status icons

The Power Management status icons are displayed in the task tray at the lower right side of your screen. Move the pointer over the icons to see the tool tip that displays information about the active profile. The Battery status icon indicates battery power level and the CPU status icon indicates the performance level of the CPU.

To activate the Power Management toolbar

- 1 Right-click the taskbar at the bottom of the screen.
- 2 Select Toolbars from the pop-up menu, and then click Power Management. The Power Management toolbar appears on the taskbar.


The current profile icon is highlighted on the Power Management toolbar. It is the first icon farthest to the left, and its appearance changes depending on which power management profile is currently selected. To change the power management profile, click the current profile icon, and then select a profile from the pop-up list. See “Power Management profiles” for a description of available options. To select another power management command, click that icon in the Power Management toolbar.

 When you use the battery pack to power your computer, your system selects the Maximum Battery Life power management profile by default. If you select a different power management profile while using battery power, that profile is selected automatically the next time you use the battery pack to power your computer.

Refer to the PowerPanel Help for information on customizing the Power Management toolbars.









You can change the power management settings, such as the system timer and the brightness of the screen.

To customize power management settings

- 1 Right-click the  CPU: Performance Profile: AC Power icon on the Windows taskbar.
- 2 Select Edit/Create Profiles from the menu.
- 3 Click a profile whose setting you want to change from the list in the left field.
- 4 Double-click an item whose setting you want to change from the list in the right field.
- 5 Click the desired setting.
- 6 Click the File menu, and then click Save.
- 7 Click the File menu, and then click Exit.

Power Management profiles

The PowerPanel™ utility provides several predefined power management profiles. Each profile consists of a group of power management settings that are designed to meet specific power management goals — ranging from maximum power management to no power management. You can change the settings for any of the predefined profiles (except for the Disable Power Management profile), or you can create your own profile to suit your portable computing needs. The predefined profiles are:

Icon	Description
	Maximum Performance Provides the best system performance while still conserving power.
	Maximum Battery Life Provides power saving features to give you maximum battery life and good performance. It slows the computer and puts it into Standby mode after a specified time period.
	Ultimate Battery Life Extends the Maximum Battery Life by disabling ports such as the i.LINK port. This profile disables many applications such as Memory Stick, DVGate, and Smart Capture.
	Disable Power Management Turns off all power management features such as Standby and Hibernate modes. You can not change the settings of this profile.
	AC Power The power management state when AC power is in use. Similar to the Power Management Off setting. Power Management automatically loads the AC profile unless you disable this feature.
	Games Disables the display and the Hard Disk Standby timer.
	Presentation Keeps the display on at all times while it conserves power. This option is ideal for slide show presentations. You can establish settings for LCD (Video) Standby, Hard Disk Standby, and Standby to optimize power management for your system.
	Camera Optimizes performance and power requirements for camera usage.

Icon

Description



Word Processing

Optimizes power management with longer timeouts on the hard disk and display screen. You can also establish settings for LCD (Video) Standby, Hard Disk Standby, and Standby to optimize power management for your system.



Spreadsheet

Optimizes performance and power requirements for spreadsheet applications.



Communications

Extends battery life by initiating a quick display timeout. The Internal modem remains powered. You can also establish settings for LCD (Video) Standby, Hard Disk Standby, and Standby to optimize power management for your system.



Automatic Profile Selection

Automatically switches to a profile suitable for active applications.



Do not choose the Automatic Profile Selection when connected to AC power.

Power Management commands

PowerPanel™ also provides power management commands that you can use to activate specific power management functions and to control power for a specific device. You can use these commands to override a profile setting or initiate an immediate action.

Icon

Description



Standby

Puts the system into Standby mode, a power management state that saves the state of the system and peripheral devices in memory (RAM). Power consumption reduces to a minimum, and the system remains on. To return the system to the active state, press any key or the power button on your computer.



Hibernate

Provides for the lowest level of power consumption. The system writes the state of the system and peripheral devices to the hard disk drive and turns off the system power. To return the system to the original state, use the power button to turn on power. The system saves the data in the Save to Disk Partition on the hard disk drive.



LCD (Video) Standby

Turns off the video display to save power. If you turn off the Video Standby timer, the display remains active except when the system enters Standby mode. The video display system is one of the largest consumers of power in the system.

Conserving battery power

When using the computer with a battery, the LCD display and the hard disk drive can be set to switch off automatically to conserve battery power.


See “Power Management profiles” for more information.

Displaying Battery Information

You can display information for the battery on your computer. The following sections briefly describe how to display your computer's general battery information. You can also refer to PowerPanel Help for more detailed information.

To activate the Battery Information toolbar

- 1 Right-click the taskbar at the bottom of the screen.
- 2 Select Toolbars from the pop-up menu, and then click Battery Information. The Battery Information toolbar appears on the taskbar.

 If the Battery Information toolbar is hidden behind the taskbar icons, right-click the taskbar and deselect Lock the Taskbar, then click and drag the edge of the Battery Information toolbar to the left.

To view the total charge remaining in the battery, place the pointer over the battery status icon in the taskbar on the lower-right corner of the screen.

Battery Information Toolbar



- ❑ **Percentage indicator** — Displays the percentage of the remaining capacity.
- ❑ **Time indicator** — Displays estimated time (hours:minutes) remaining before the battery fully drains, also referred to as the time-to-empty.

Battery icon descriptions

Battery icon	Battery status
---------------------	-----------------------



Charging



Fully charged



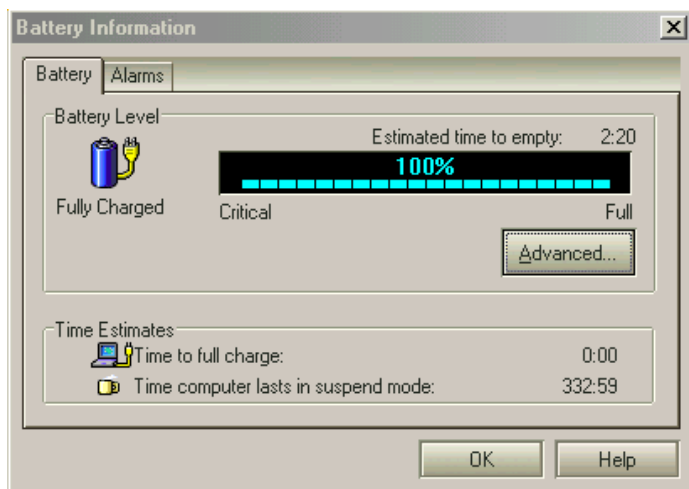
Discharging



No battery

Displaying detailed battery information


Double-click the battery icon on the task tray to display the Battery Information window. The Battery tab contains information such as battery charging time and duration of the battery charge.




Battery Information Window**Customizing the Battery Information toolbar and alarm system**

You can customize the Battery Information toolbar to suit your portable computing needs, including modifications to the alarm settings. Refer to PowerPanel Help for more information.

Selecting the Display Mode

This computer uses the ATI video controller. You can select which display is used when the computer is connected to an external monitor. When you connect an external display, you can switch the display mode between your computer's LCD display and the external monitor.

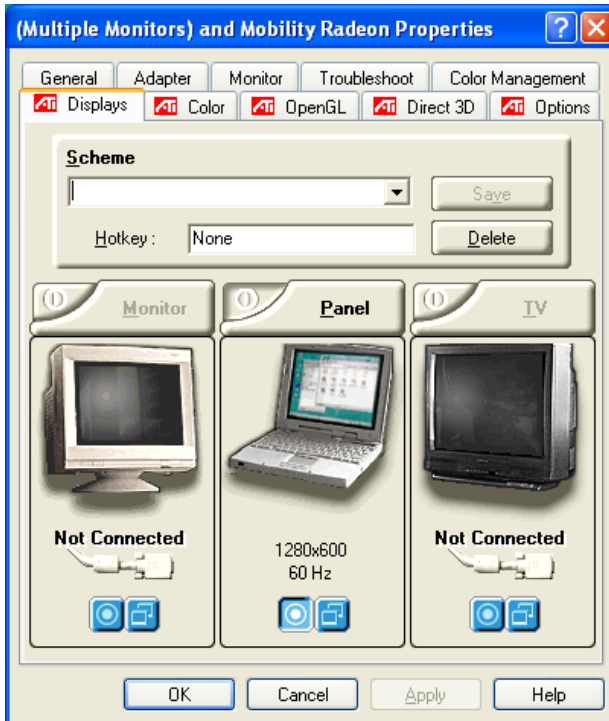
- 1 Click Start, point to Control Panel, and click Appearance and Themes. The Appearance and Themes window appears.
- 2 Click the Display icon. The Display Properties window appears.
- 3 Click the Settings tab, and then click the Advanced button. The ATI Mobility Radeon™-M Properties dialog box appears.
- 4 Click the Displays tab and select the display settings by clicking the  icon on the panel of your display choice. For more information, click the Help button.

 If you cannot see your movie or DVD on the external display, change the monitor or TV setting by clicking on the Secondary  icon and changing it to Primary .

You may not be able to display the computer LCD screen and an external display or projector at the same time, depending on the types of computer displays and projectors you are using.

Turn on the computer after you turn on the peripheral devices.

ATI Mobility Radeon Properties Screen



Changing the window design of Sony software

To change the window design


- 1 Click the Start button, then select Control Panel.
- 2 In the left window pane of Control Panel, click "Switch to Classic View."
- 3 Double-click UI Design Selector.
- 4 Click << or >> and select the desired design.
- 5 Click Apply. The "UI Design Selector" window design changes. The window design for your Sony software will match the "UI Design Selector" window.

- 6 To try another selection, click << or >> and then click OK to close the UI Design Selector.

 This feature is available with UI Design Selector-compatible software only.


Using the Multilingual User Interface Language Option

(Windows® XP Pro only) After you have initially setup your new VAIO computer, you have the ability to change the language displayed in Microsoft® Windows® XP Professional operating system. The multilingual user interface (MUI) language option changes the text controlled by Windows XP Professional operating system. Menus, help files, and icons generated by Windows XP Professional are shown in your selected language. All other software applications are displayed in English as the default language.

 The multilingual user interface language option is not designed to replace a localized version of the Microsoft Windows XP Professional operating system. Under certain conditions, some third-party software applications may not function properly.

To Change the Language Option

- 1 Click Start on the Windows taskbar, then click Control Panel.
- 2 Click “Date, Time, Language and Regional Options”, then click Regional and Language Options. The Regional and Language Options dialog box appears.
- 3 Select the Languages tab.
- 4 From the “Language used in menus and dialogs” drop-down menu, select the desired language:
 - English
 - français
 - Português
 - español
- 5 Click Apply, then click OK.
- 6 The Change Regional dialog box appears. Click OK.
- 7 Click Start in the Windows taskbar, then click Logoff. Restart your computer for the settings to take effect.

 Additional users can also change to their desired language(s) without effecting your existing language settings.

To Change Numbers, Currency, Time, and Date Formats

You can change the system's number, currency, time and date formats to coordinate with your chosen country or language settings. To change these formats, follow the steps below:

- 1 Click Start in the Windows taskbar, then click Control Panel.
- 2 Click "Date, Time, Language and Regional Options", then click Regional and Language Options. The Regional and Language Options dialog box appears.
- 3 From the Regional Options tab, click the "Standards and formats" drop-down menu to view the available country choices. Select the desired country.
- 4 Click Customize to change the number, currency, time, and date settings. Click Apply, then click OK.

Adding Memory

In the future you may want to install memory modules to expand the functionality of your computer. See the VAIIO® Computer Specifications for the amount of memory preinstalled on your computer. Expansion memory modules are available as options. For memory upgrades and information on which memory modules to use, refer to your VAIIO® Computer Specifications. This section provides you with information on removing and replacing a memory module:

- ❑ Precautions and Procedures
- ❑ Removing a Memory Module
- ❑ Installing a Memory Module
- ❑ Confirming Added Memory Capacity

Precautions and Procedures

The procedures described below assume familiarity with the general terminology associated with personal computers and with the safety practices and regulatory compliance required for using and modifying electronic equipment.



Sony recommends that memory upgrades be performed by an authorized Sony Service Center. To find the nearest center or agent, go to:
<http://www.sony.com/pcsupport>.

Be careful when installing a memory module in your computer, and be sure to observe the proper safety precautions listed below. Mistakes that occur when installing or removing a memory module may cause a malfunction.


- ❑ Disconnect the system from its power source and from any telecommunications links, networks, or modems before you open the system or follow any of the procedures described below. Failure to do so may result in personal injury or equipment damage.
- ❑ Electrostatic discharge (ESD) can damage disk drives and other components. Perform the procedures described below only at an ESD workstation. If such a station is not available, do not work in a carpeted area, and do not handle materials that produce or hold static electricity (cellophane wrappers, for example). Ground yourself by maintaining contact with an unpainted metal portion of the chassis while performing the procedure.
- ❑ Do not open the memory module package until you are ready to install the module. The package protects the module from ESD.
- ❑ Use the special protective package to store a memory module and prevent ESD, or wrap the memory module in aluminum foil.

Typical expansion memory configuration

<i>Total System Memory (MB)</i>	<i>On board (MB)</i>	<i>Slot (MB)</i>
256	128	128
384	128	256

Removing a Memory Module

- 1 Turn off the computer and all peripheral devices.
- 2 Disconnect the power cord and all cables from the computer, and remove the battery.

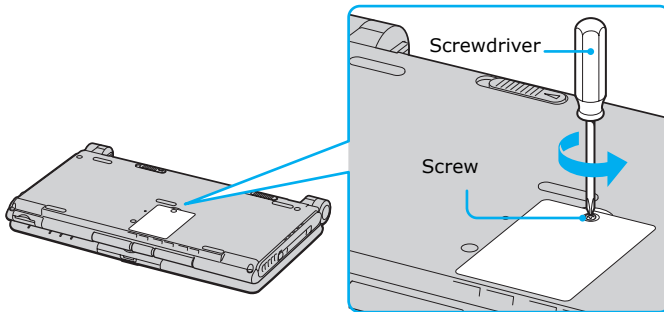
 The interior of the computer becomes extremely hot during operation. Wait at least one hour for the computer to cool down before you remove the screws.

- 3 Use an appropriate screwdriver to loosen and remove the screw that fastens the memory module cover plate on the bottom of the computer.
- 4 Remove the memory module cover plate.



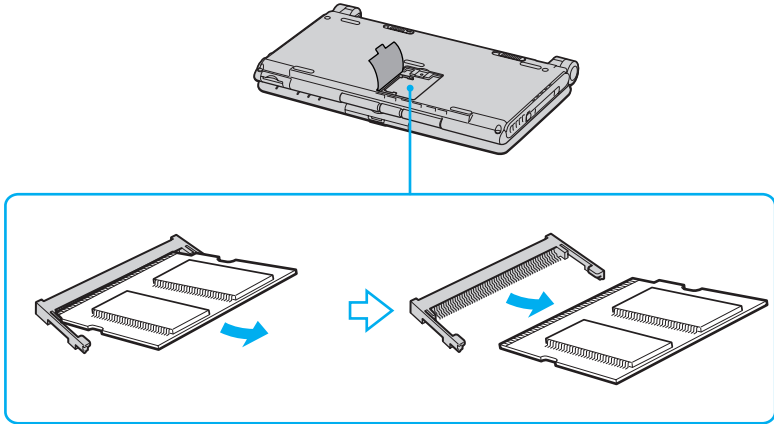
To avoid damaging the computer, do not remove or loosen any other screws.

Removing Cover Plate



- 5 Touch a metal object (such as the connector panel on the back of your computer) to discharge static electricity, then remove the memory module, pulling it out in the direction of the arrows.

Removing a Memory Module



- 6 Close the cover panel and replace the fastening screw.

Installing a Memory Module

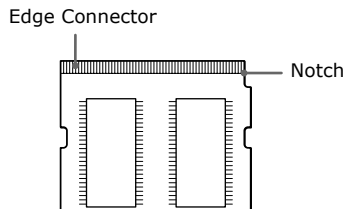
- 1 Perform steps 1 through 4 as described in the “Removing a Memory Module” section.



To avoid damaging the computer, do not remove or loosen any other screws.

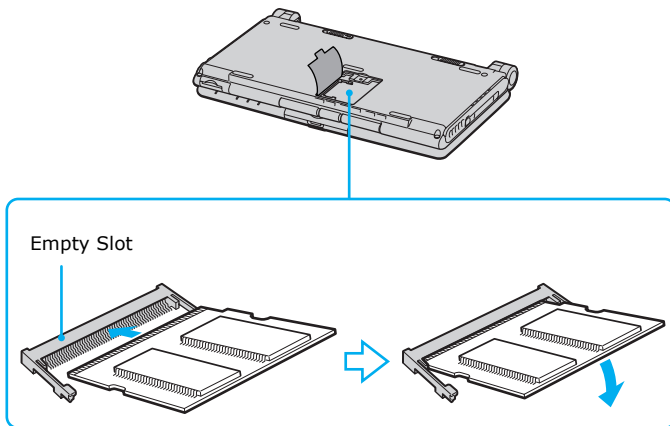
- 2 Touch a metal part of the computer (such as the connector panel on the back of your computer) to discharge any static electricity accumulated on your body, then remove the module from its protective package.
- 3 Install the memory module by holding the module edge connector pointing down with the notch on the right, and then insert it diagonally into the empty slot.

A Memory Module



- 4 Lower the memory module until it clicks into place on both ends.

Installing a Memory Module




Do not touch any part of the motherboard or the other components inside the computer.

- 5 Close the cover panel and replace the fastening screw.

Confirming Added Memory Capacity

- 1 Turn on the computer.
- 2 Click Start on the Windows® taskbar, point to All Programs, and then click Sony Notebook Setup.
- 3 Click the About This Notebook tab. Verify that the System Memory displayed in the left panel matches the amount of memory installed.

 If the amount of memory is not correct, turn off the computer, and reinstall the memory module. See “Removing a Memory Module” and “Installing a Memory Module” for instructions.

Sony Notebook Setup Dialog Box



About the Software on Your Computer

Your VAIO® computer is ready to help you work, play, learn, and communicate as soon as you turn it on. This section provides you with information on the wide variety of software applications installed on your computer:

- ❑ Software Overview
- ❑ DVgate application notes
- ❑ Software Support Information

Software Overview

Your computer may not be supplied with all of the software listed below, depending on the configuration you purchased. Preinstalled software may not be identical to retail versions, or include supporting documentation.

Adobe® Acrobat® Reader®

Adobe Systems Inc.

Acrobat Reader software enables you to view, navigate, and print electronic documents in Adobe Portable Document Format (PDF), an open file format that is intended to preserve the fidelity of documents created on all major computer platforms.

Adobe® Photoshop® Elements Trial Version

Adobe Systems Inc.

Using state-of-the-art image editing tools, you can unleash your artistic ability and create digital images for print, e-mail, and posting to the Web. The versatile image capturing options enable you to start working with digital and traditional photos immediately. Explore extensive creative possibilities for your personal images with Adobe Photoshop Elements software. This trial version allows you to evaluate the software for 30 days, after which you can purchase the full program for a special price.

America Online®

America Online, Inc.

America Online is a popular Internet online service. Stay in touch with family and friends with easy-to-use e-mail. Manage your personal finances, get the latest news and sports scores, and chat with thousands of others who share your interests.

AT&T WorldNet® Service

AT&T Corp.

AT&T WorldNet Service offers fast, reliable Internet access. Customer benefits include Web-based e-mail, video e-mail, multiple e-mail accounts, free Web pages, online and live agent technical support, instant messaging, and parental controls.

DigitalPrint

Sony Electronics Inc.

This image management software makes it fun and easy to edit, import, and organize your digital pictures in a photo album for rich digital printing to any standard color laser or ink-jet printer. DigitalPrint can also be used to make custom CD labels for your audio CDs.

DVgate™

Sony Electronics Inc.

Connect a digital video camera recorder to the i.LINK®* connector and capture your own video clips and still images. You can edit the clips from your video, add others, and combine clips into new movie segments. You can also save your images in a variety of popular file formats.

EarthLinkSM Network Total Access®

EarthLink, Inc.

An Internet Service Provider that supplies access, information, and assistance to its customers, introducing them to the Internet. Member benefits include e-mail, newsgroups, a Personal Start Page, a free 6 MB Web site, a member magazine, and 24-hour technical support.

MovieShaker™

Sony Electronics Inc.

Sony's original MovieShaker software creates personal movies that have transitions, background music and text. Just import your video clips and "shake" with a click of the mouse. Your personal movies are easy to create and fun to share with family and friends.

* i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other. Refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as a CD-RW or hard disk drive, confirm their operating system compatibility and required operating conditions.

PC-Cillin® 2000

Trend Micro, Inc.

PC-Cillin provides portable, easy-to-use, real-time antivirus security at your computer's entry point (beaming, synchronization, Internet access) to defend against potential threats hidden inside files, e-mail, or on the Web.

PicoPlayer™

Sony Electronics Inc.

PicoPlayer software is a video player utility that enables you to use Giga Pocket™ Personal Video Recorder functions on a computer that does not have Giga Pocket™ Personal Video Recorder installed. You can play Video Capsules created by Giga Pocket™ Personal Video Recorder, and, if a Giga Pocket server is available on your home network, watch TV streamed from the Giga Pocket server and remotely control the Giga Pocket server's TV programming functions.

Quicken®

Intuit, Inc.

Quicken is a fast, easy way to organize your finances. Quicken works just like your checkbook, so it is easy to learn and use. Quicken manages all your finances, bank accounts, credit cards, investments, and loans. You can even pay your bills online.

QuickTime™

Apple Computer Inc.

QuickTime is the Apple technology that makes video, sound, music, 3D, and virtual reality come alive for our Internet browser and Windows.

RealPlayer®

RealNetworks Inc.

RealPlayer is the RealNetworks video and audio player which lets you access 2,500 radio stations featuring music, news, and sports.

Sony ScreenBlast™ ACID (On selected models)

Sony Pictures Digital Entertainment

With the powerful Sony ScreenBlast ACID software you can create royalty-free music by utilizing its loop-based production tool, including unlimited tracks and enhanced effects.

Sony ScreenBlast™ Sound Forge® (On selected models)

Sony Pictures Digital Entertainment

Sony ScreenBlast™ Sound Forge® software enables you to record, edit, and process mono or stereo audio files for your multimedia or Internet projects. Whether you want to use a number of professional effects, convert video into streaming media, or synchronize audio to video—this software has everything you need to create rich, immersive multimedia and Internet content.

Smart Capture Premium

Sony Electronics Inc.

Sony's Smart Capture Premium application supports still image and video capture from the built-in Sony MOTION EYE™ camera, an analog Video In device such as a VCR, TV, or Playstation®, or a digital video device connected to the PC through an i.LINK or USB interface. Transfer your compressed video or still images through e-mail, upload them to the ImageStationSM service, or export to MovieShaker™ software for further video editing fun.

SonicStage

Sony Electronics Inc.

This new jukebox application adds a host of new features to its predecessor, OpenMG™ Jukebox. Continuing to take advantage of Sony's copyright-protected ATRAC3™ format for high-quality digital audio storage, SonicStage sports a new Music Visualizer, a sleek new player skin design, audio CD burning capability, and a parametric equalizer for fine-tuning audio playback.

Sony on Yahoo!

Yahoo! Inc.

Personalize your own web portal with Sony on Yahoo! Get a free webmail account, customized news and local weather reports, comics, and more.

VAIO Support Agent

Sony Electronics Inc.

VAIO Support Agent provides immediate, interactive online support.

WinDVD®

InterVideo Inc.

WinDVD is a simple-to-use DVD player including all the features you would expect to find in a standard consumer DVD player, while also offering advanced display and navigation features such as zoom, pan, bookmark, and time search.

WordPerfect Office 2002 Standard

Corel Corp.

WordPerfect® Office 2002 Standard software includes all the applications you need to create professional-looking documents, newsletters, reports, presentations, and brochures while incorporating graphics, spreadsheets, charts, and tables with ease. This comprehensive suite includes the popular WordPerfect® 10 word processor, the Quattro® Pro 10 spreadsheet program, the Corel® Presentations™ 10 presentation program, and a wide range of additional productivity-enhancing features.

DVgate application notes

Digital video captures


If your system displays the message, “Failed to record to DV deck, please check deck’s power status, cable connection...,” while you are recording images to a digital video device using DVgate software, close all open applications, and restart your computer. Frequent recording of images to a digital video device while using DVgate may cause this situation to occur.

For more information on DVgate software, see the DVgate online help.

Adjusting image resolution

If the images on the LCD do not display smoothly, the resolution may not be set correctly. To check the resolution, click the Setup button in the DVgate Motion-Monitor window. Point to Settings, and then select Low Resolution. The settings you change in this menu affect the images in the monitor window only. Movie data imported to your hard drive and images recorded to DV devices will not be affected.

Exporting images to a digital video device

If you cannot export images that you took using DVgate software, and a DV device is connected to your computer via an i.LINK® cable, you may need to change the profile setting. To change this setting, right-click  the CPU: Performance Profile: AC Power icon on the Windows® taskbar, and select Profile, and then click DV. Setting your system to DV is only recommended for exporting images to a DV device. Once you finish exporting the images to a DV device, set the PowerPanel profile back to the default setting.

Hard disk drive partition

In order to improve the performance of your computer’s DVgate™ motion software, the hard disk drive on your computer has been formatted with two partitions, C and D. The C partition hold 40 percent and the D partition holds 60 percent of the entire drive capacity. DVgate software saves files to the D partition. This prevents large video capture from consuming the available space on your C partition. To maintain optimum performance of DVgate, you should defragment or format the D partition regularly.

To defragment a partition



Before you begin to defragment a partition, make sure you back up all files that you want to save.

- Click Start on the Windows® taskbar.
- Click Programs, Accessories, System Tools, and then click Disk Defragmenter. The Disk Defragmenter window appears.

Select the drive you want to defragment from the list, and click the Defragment button. See Windows® Help for more information on defragmenting.

Software Support Information

Adobe® Acrobat® Reader® (Adobe Systems, Inc.)

Web site	http://www.adobe.com/
telephone	206-675-6126 (fee-based support)
e-mail	techdocs@adobe.com
hours	M-F, 6 A.M.-5 P.M. (Pacific time)

Adobe® Photoshop® Elements Trial Version

Web site	http://www.adobe.com
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America Online® (America Online, Inc.)

Web site	http://www.aol.com
telephone	800-827-3338
hours	7 days a week, 24 hours a day

EarthLinkSM Network Total Access® (EarthLink, Inc.)

Web site	http://support.earthlink.net
e-mail	support@earthlink.net
telephone	800-890-5128, 800-890-6356
hours	7 days a week, 24 hours a day

PC-Cillin® 2000 (Trend Micro, Inc.)

Web site	http://www.antivirus.com/pc-cillin/support
telephone	510-859-0308; 900-820-8324*
e-mail	support@trendmicro.com
hours	M-F, 8 A.M.-5 P.M. (Pacific time)

* Support from 510-859-0308 is free of charge, but subject to delays. Support from 900-820-8324 is fee-based, but offers immediate response.

Quicken® (Intuit Inc.)

Web site	http://www.intuit.com/support
telephone	900-555-4932; 800-644-3193*
hours	M-F, 5 A.M.-5 P.M. (Pacific time)

* Support from 900-555-4932 is fee-based. Support from 800-644-3193 is automated and free of charge.

QuickTime® (Apple Computer Inc.)

Web site	http://www.apple.com
telephone	800-692-7753
hours	M-F, 6 A.M.-6 P.M. (Pacific time)

RealPlayer (Real Networks, Inc.)

Web site	http://service.real.com/rjoptions.html
email	http://service.real.com/help/call.html (online e-mail form)

Sony Applications (Sony Electronics Inc.)

Web site	http://www.sony.com/pcsupport
telephone	888-4-SONY-PC (888-476-6972)*
hours	7 days a week, 24 hours a day

* Support from 1-888-4-SONY-PC is free of charge for 90 days after the original date of purchase.

Sony ScreenBlast™ ACID, Sony ScreenBlast™ Sound Forge® (Sony Pictures Digital Entertainment)

Web site	http://www.sonicfoundry.com/support
e-mail	support@sonicfoundry.com
telephone	900-407-6642 (fee-based support)
fax	608-256-7300
hours	M-F, 9 A.M.-5 P.M. (central time)

Windows® Operating System (Microsoft Corp.)

Web site	http://www.sony.com/pcsupport
telephone	888-4-SONY-PC (888-476-6972)*
hours	7 days a week, 24 hours a day

* Support from 1-888-4-SONY-PC is free of charge for 90 days after the original date of purchase.

WinDVD® (InterVideo, Inc.)

Web site	http://www.intervideo.com
telephone	510-651-0888

WordPerfect® Office 2002 Standard (Corel Corp.)

Web site	http://www.corel.com
telephone	613-274-0500
hours	M-F, 8:30 A.M.-7:30 P.M. (eastern time)

Sony Service Center

For the Sony Service Center nearest you, call 1-888-4-SONY-PC (1-888-476-6972) or find Sony Computing Service on the Web at: <http://www.sony.com/pcsupport>.

Using the Recovery CDs

This section provides you with details on your Sony Application Recovery and System Recovery CDs.

- ❑ Application and System Recovery CDs
- ❑ Using Your Recovery CDs

Application and System Recovery CDs

Your computer comes with the following Application Recovery and System Recovery CDs. You will need an optical disc drive (supplied with selected models) to use these recovery CDs. If your computer does not come with an optical disc drive, use an external optical disc drive.

Application Recovery CD(s)


Sony Electronics Inc.

This CD enables you to reinstall individual applications and device drivers if they become corrupted or are erased.

System Recovery CD(s)

Sony Electronics Inc.

This CD enables you to restore the operating system and software that shipped with your computer if they become corrupted or are erased. This CD restores your computer to its original factory settings, so user data and applications installed since you started using your computer will be lost.


 For models that come with a docking station, make sure you connect the docking station to the computer before using the recovery CDs.

Using Your Recovery CDs

The following sections describe how to use the Application Recovery and System Recovery utilities.


Using the Application Recovery CD(s)

The Application Recovery CD utility enables you to reinstall individual software applications, device drivers, and to repair software applications if they become corrupted or are erased. Reinstalling an individual software application or device driver may correct a problem you are experiencing with your computer, peripheral hardware, or software. You may not need to reinstall the entire contents of your hard drive. To reinstall all the software titles that shipped with your computer, use the System Recovery CD(s). See “Using the System Recovery CD(s)” on page 41 for more information.

 You must be in Windows® to run the Application Recovery CD utility.

To reinstall software applications using the Application Recovery CD(s)

- 1 Turn on your computer. If your computer is already on, close all open applications.
- 2 When the Windows desktop appears, insert Sony Application Recovery CD No. 1 into your computer’s optical disc drive. The Application Recovery utility loads automatically.
- 3 When the Application Recovery menu appears, select the icon for the application you want to restore, and then follow the on-screen instructions to complete the recovery process.

 Your system may include one or more Application Recovery CDs. If you have more than one Application Recovery CD, insert the first CD to run the Application Recovery program. You may be prompted to insert the next CD, depending on the application you wish to restore.

To reinstall device drivers using the Application Recovery CD(s)

- 1 Turn on your computer. If your computer is already on, close all applications.
- 2 When the Windows desktop appears, insert Application Recovery CD No. 1 into the optical disc drive.
- 3 Click Start in the Windows taskbar, and click Control Panel. The Control Panel window appears.
- 4 Click Performance and Maintenance, and click System. The System Properties dialog box appears.
- 5 From the Hardware tab, click Device Manager.
- 6 Click to select the unknown device or the device that requires the driver installation. The unknown device(s) is identified by a yellow question mark.
- 7 From the Action menu, click Uninstall. This removes the device driver from your system. Click OK. Repeat for each device driver as necessary.
- 8 Restart your computer. Click Start in the Windows taskbar, select Turn Off Computer, and then click Restart.

When the desktop appears, Windows automatically reinstalls the device driver(s) from the Application Recovery CD.

 Your system includes one or more Application Recovery CDs. Insert Application Recovery CD No. 1, to start the application or driver recovery process. You are prompted to insert the next CD(s), depending on the software application or driver you wish to restore.

If you have any questions about using the Application Recovery CD(s), visit <http://www.sony.com/pcsupport>, or contact Sony Customer Support at 1-888-4-SONY-PC.

Using the System Recovery CD(s)

The System Recovery CD(s) enables you to format your hard disk drive and restores all original software applications. Your computer is returned to the original factory settings.



The System Recovery process removes all software that you may have installed since you started using your computer. Reinstall any applications that were not included with the computer when you purchased it.

You can use the System Recovery CD(s) to reinstall the operating system and software titles that shipped with your computer if they become corrupted or are erased. You may not need to reinstall the entire contents of your hard drive. If you experience a problem with your computer, reinstalling an individual device driver or software title may correct the problem. Use the Application Recovery CD(s) to reinstall individual applications and to reinstall device drivers. See “Using the Application Recovery CD(s)” on page 39 for more information.

The System Recovery CD(s) contains a backup copy of all the software originally installed on your hard disk drive. It can be used only to recover the hard disk of the computer you purchased.

System Recovery options

- ❑ **System Drive Recovery** — All data on Drive C is deleted. The factory default settings and software applications are restored on this drive only.
- ❑ **Change Partition Size** — All partitions, custom installations, and changes are removed from the hard disk drive. You can set the partition sizes for both the Drive C and Drive D. The original, preinstalled operating system and software applications are restored.
- ❑ **Recovery to Original Factory Defaults** — All data and partitions are removed from the hard disk drive. All original factory settings, operating system, and preinstalled software is restored.



The System Recovery utility does not back up your system's data. If you wish to retain your system data, perform a backup to an external media.


To use the System Recovery CD(s)

Your system may take a few minutes to load necessary files. A blue screen appears during the downloading process.

- 1 Insert the Sony System Recovery CD in the optical disc drive. The System Recovery utility starts from the optical disc drive. The first CD must be in the drive when you turn on the computer.
- 2 Shut down your computer as described in the “Shutting Down Your Computer” section of your supplied Quick Start.
- 3 Wait 30 seconds and turn on your computer.
- 4 The VAIO System Recovery Utility dialog box appears. Click Next.
- 5 At the pop-up prompt, select Yes to begin the system recovery process. Follow the on-screen instructions.

If your computer does not start from the Recovery CD

- 1 Press the power button and hold it for more than four seconds to turn off the computer.
- 2 Turn on the computer. When the Sony logo is displayed, press the F2 key. The BIOS setup menu screen appears.
- 3 Press the arrow keys to select the Exit menu.
- 4 Press the arrow keys to select “Get Default Values” and then press the Enter key. The message “Load default values for all SETUP items.” appears.
- 5 Make sure “Yes” is selected, and press the Enter key.
- 6 Press the arrow keys to select “Save and Exit,” and press the Enter key. The message “Save configuration changes and exit now?” appears.
- 7 Make sure “Yes” is selected, and press the Enter key. The computer restarts from the Recovery CD.

 Your system may include one or more System Recovery CDs. If you have more than one System Recovery CDs, insert the first CD to run the System Recovery program. You are prompted to insert the second CD once the information from the first CD has been installed.

The recovery process takes from 30 to 60 minutes to complete.

After recovering your system using the System Recovery CD(s), you may be prompted to insert your Application Recovery CD(s) after restarting Windows. Insert the Application Recovery CD to automatically complete recovery of your system.

Troubleshooting


This section describes how to solve common problems you may encounter when using your computer. Many problems have simple solutions, so try these suggestions before you contact Sony Computing Support (<http://www.sony.com/pcsupport>).

- ❑ Troubleshooting Your Computer
- ❑ Troubleshooting the LCD Screen
- ❑ Troubleshooting the Mouse and Pointing Device
- ❑ Troubleshooting Drives, PC Cards and Peripheral Devices
- ❑ Troubleshooting i.LINK devices
- ❑ Troubleshooting Software
- ❑ Troubleshooting the Modem
- ❑ Troubleshooting Audio
- ❑ Troubleshooting Memory Stick Media

Troubleshooting Your Computer

My computer does not start.

- ❑ Check that the computer is plugged into a power source and that it is turned on. Check that the power indicator on the front panel of the computer indicates that the power is on.
- ❑ Check that the battery pack is inserted properly and is charged.
- ❑ If you have connected an external floppy disk drive, make sure there is no floppy disk in the floppy disk drive.
- ❑ Confirm that the power cord and all cables are connected firmly. See “Connecting Peripheral Devices” for more information.
- ❑ If you plugged the computer into a power strip or Uninterruptible Power Supply (UPS), make sure the power strip or UPS is turned on and working.
- ❑ If you are using an external display, check that it is plugged into a power source and turned on. Check that the brightness and contrast controls are adjusted correctly. See the manual supplied with your display for details.
- ❑ Condensation may cause the computer to malfunction. If this occurs, do not use the computer for at least one hour.
- ❑ Take the battery pack off the computer, unplug the power cord and plug it in again, then turn on the power.

 If this occurs on a regular basis, contact Sony Computing Support at: <http://www.sony.com/pcsupport/>.

My computer starts, but a BIOS error appears.

- ❑ When the computer’s internal backup battery is low on power, it may not start your system properly. The message “Press <F1> to resume, <F2> to setup” appears at the bottom of the screen. Follow these steps:
 - 1 Press the F2 key. The BIOS Setup menu appears.
 - 2 Set the date (month/day/year). Press Enter.
 - 3 Press ↓ to select System Time, then set the time (hour: minute: second). Press Enter.
 - 4 Press → to select Exit, then press ↓ to select Get Default Values. The message “Load default configuration now?” appears.

- 5 Select Yes and press Enter.
- 6 Select Exit (Save Changes), and then press Enter. The message “Save configuration changes and exit now?” appears.
- 7 Select Yes, and then press Enter. The computer restarts.

My computer starts, but the message “Operating system not found” appears and Windows does not start.


- ❑ If you have connected an external floppy disk drive, make sure there is no floppy disk in the floppy disk drive (non-bootable).
- ❑ If a non-bootable disk is in the drive, follow these steps:
 - 1 Turn off the computer, and then remove the floppy disk.
 - 2 Restart the computer and confirm that Windows starts properly.
- ❑ If Windows still does not start, follow the steps below to initialize the BIOS:
 - 1 Remove any disk from the floppy disk drive.
 - 2 Remove any peripheral devices connected to the computer.
 - 3 Turn off the computer and then turn it on.
 - 4 Press the F2 key when the Sony logo appears. The BIOS setup menu screen appears.
 - 5 Press the directional arrow keys to select the Exit menu.
 - 6 Press the arrow keys to select “Get Default Values” and then press Enter. The message “Load default configuration now?” appears.
 - 7 Select Yes, then press Enter.
 - 8 Use the directional arrow keys to select “Exit” (Save Changes), and then press Enter. The message “Save configuration changes and exit now?” appears.
 - 9 Select Yes, then press Enter. The computer restarts.

If your computer continues to display the message “Operating system not found,” and Windows does not start, contact Sony Computing Support.

My computer stops responding or does not shut down.

It is best to shut down your computer using the Turn Off Computer command on the Windows Start menu. Using other methods, including those listed here, may result in loss of unsaved data.


- ❑ Try restarting the computer. On the Windows taskbar, click the Start button, click Turn Off Computer, and then click Restart.
- ❑ If you cannot restart as described in the preceding step, you can restart the computer by pressing the Ctrl+Alt+Delete keys at the same time.
- ❑ If the previous step does not work, press and hold the power button for at least four seconds. This turns off the power to the computer.
- ❑ If your computer stops responding while playing a CD or DVD, stop the CD/DVD, and restart the computer by pressing the Ctrl+Alt+Delete keys at the same time.
- ❑ Unplug the computer from the AC adapter and remove the battery pack from your computer.

 Pressing the Ctrl+Alt+Delete keys or turning off the computer with the power switch may result in data loss in files that are currently open.

The Power Management setting is not responding.

Your computer's operating system may become unstable if it is interrupted or if you attempt to make changes before the computer completely enters a lower power mode, such as Hibernate.

- ❑ To restore the computer to its normal operating stability:
 - 1 Close all open applications.
 - 2 Restart the computer by pressing the Ctrl+Alt+Delete keys at the same time, and then selecting Restart from the drop-down list.

 If this procedure does not work, press and hold the power button for at least four seconds to shut down the computer.

The sound of my computer's fan is too loud.

Use the PowerPanel™ utility to change the Thermal Control Strategy setting to Quiet. This setting slows down the CPU speed. See PowerPanel Help for more information.

Why does the System Properties dialog box display a slower CPU speed than advertised?

This is normal. Because your computer's CPU utilizes a type of CPU speed controlling technology, System Properties may display the CPU's current speed instead of the maximum advertised speed.

Troubleshooting the LCD Screen

My LCD screen is blank.

- Check that the computer is plugged into a power source and that it is turned on.
- Check that the power indicator on the computer is on.
- Check that the battery pack is inserted properly and that it is charged.
- The computer may be in LCD (Video) Standby mode. Press any key to activate the screen.
- The display mode may be set to external display mode. Press and hold the Fn key while pressing F7 several times.

The image on my connected external display is not centered or sized properly.

Use the controls on your external display to adjust the image. See the manual supplied with your display for more information.

I cannot simultaneously display movies, DVD video, or the Smart Capture (Finder) window on the LCD display and an external display.

Images cannot be displayed on both the LCD display and an external display at the same time. Select only one display option.

I want to change the video resolution of my display.

You can use independent controls to change the video resolution of your display.

- Click Start, point to Control Panel, point to Appearance and Themes, and then click the Display icon. The Display Properties dialog box appears.
- Click on the Settings tab.
- Move the Screen Area slider to change your video resolution.

Troubleshooting the Mouse and Pointing Device

My mouse does not work.

- ❑ If you are using an external mouse, check that the mouse cable is plugged into the USB port. See “Connecting a USB Mouse” for details. Note that a serial mouse or PS/2® mouse is not compatible with the VAIO® C1 PictureBook® computer.
- ❑ If you connect an external mouse while your computer is on, you must restart your computer.
- ❑ If you are using an optional Sony USB mouse, such as the PCGA-UMS1 series, check that the mouse is plugged into the USB port.
- ❑ Re-install the mouse/touchstick drivers. See “Using Your Recovery CDs” for more information.

My pointing device does not work properly.

- ❑ You may have disabled the pointing device without a mouse being connected to the computer. You must restart the computer to make the pointing device work again.
- ❑ If your pointing device is interpreting a single tap as a double-click, you must adjust the button assignments. Follow these steps:
 - 1 Click Start, point to Control Panel, point to Printers and Other Hardware, and then click on the Mouse icon.
 - 2 Change the button assignments in the Mouse Properties dialog box. (One of the buttons is assigned to the double-click action.)
- ❑ Reinstall the mouse/touchstick drivers. See “Using Your Recovery CDs” for more information.

The pointer does not move (while using the pointing device or mouse).

- ❑ Press the Windows key on the keyboard, and press the “U” key to select Turn Off Computer. When the “Turn off computer” dialog box appears, press the “R” key to restart the computer.
- ❑ If you cannot turn off your computer as described in the step above, press the Ctrl+Alt+Delete keys (at the same time) to restart the computer.

- ❑ If you cannot restart your computer as described in the step above, press and hold the power button for at least four seconds to turn off the computer.
- ❑ If the pointer does not move while playing a disc, press the Ctrl+Alt+Delete keys (at the same time) to stop playback and restart the computer.

Troubleshooting Drives, PC Cards and Peripheral Devices

My floppy disk drive icon doesn't appear even though it is connected.

- ❑ Make sure that the floppy disk drive is properly connected. Wait a few moments to allow the computer to recognize the drive.
- ❑ Close all open applications and restart your computer with the connected floppy disk drive. Make sure that there is no floppy disk in the floppy disk drive, in order for the computer to start up correctly.

My optical drive is not playing my disc properly.

- ❑ Make sure the optical drive is inserted correctly into the PC Card slot or i.LINK port.
- ❑ Make sure the label of the disc is facing up.
- ❑ If the disc requires software, make sure the software is installed according to the manufacturer's instructions.
- ❑ A dirty or damaged disc may cause the computer to stop responding while it tries to read the disc. If necessary, restart the computer, remove the disc, and then check it for dirt or damage.
- ❑ If you see video but can not hear audio, check all of the following:
 - ❑ Check that your optical drive does not have the mute setting enabled.
 - ❑ Check the volume setting in the audio mixer.
 - ❑ If you are using external speakers, check the volume settings, and then check the connections between your external speakers and the computer.
 - ❑ Click Start, point to Control Panel, click Performance and Maintenance, then click System, select Hardware, and click Device Manager. Check that the correct drivers are installed properly.
- ❑ Check that digital CD audio is enabled for your optical drive. Do the following steps:
 - 1 Click Start, point to Control Panel, click Performance and Maintenance, and then click System. The System Properties window appears.

- 2 Select the Hardware tab and then click the Device Manager button. The Device Manager window appears.
 - 3 Double-click the DVD/CD-ROM drive name. The Properties window appears.
 - 4 Click the Properties tab, and then select the “Enable digital CD audio for this CD-ROM device” check box.
- Do not use adhesive labels to identify the CD. The label may come off while the disc is in use in the optical drive and cause the drive to malfunction.
 - If a region code warning appears when you try to use a DVD-ROM drive, it may be that the DVD you are trying to play is incompatible with the DVD-ROM drive. Check the region code listing on the DVD packaging.
 - Condensation may cause the computer to malfunction. If this occurs, do not use the computer for at least one hour.

My optical disc drive tray does not open.

- Make sure the computer is turned on.
- Press the Eject button on the optical drive.
- If the Eject button does not work, you can open the tray by inserting the manual eject pin (which is stored on the bottom of the drive) or a long thin object (such as a straightened paper clip) into the hole to the right of the Eject button.

I cannot use digital video (DV) devices. The message “DV equipment seems to be disconnected or turned off” appears.

- Check that the DV device is turned on and that the cables are properly connected.
- Disconnect the i.LINK® cable and connect it again.


My PC Card is not working.

- Make sure the PC Card is inserted properly into the PC Card slot.
- Make sure the PC Card is compatible with Microsoft® Windows®.
- Use the Sony Notebook Setup utility to disable devices you are not currently using.

Troubleshooting i.LINK devices


I cannot establish a connection between two VAIO computers when using an i.LINK cable.

- 1 Disconnect the i.LINK®* cable from both computers and reconnect it.
- 2 Wait for the computers to respond. If neither computer responds after a few moments, restart both computers.

 The computers may not recognize an i.LINK connection after returning from a power saving mode (Standby or Hibernate). If that happens, restart the computers to establish a connection.

I cannot export images to a digital video (DV) device.

Images that were taken with your computer using MovieShaker or DVgate software may not properly export to a DV device when it is connected to your computer via an i.LINK® cable. To export the images correctly, follow these steps:

- 1 Right-click  the CPU: Performance Profile: AC Power icon on the Windows® taskbar.
- 2 Select Profile, and click DV.

Setting your system to DV is only recommended for exporting images to a DV device. Once you finish exporting the images to a DV device, set the PowerPanel profile back to the default setting.

* i.LINK is a Sony trademark used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system, and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other. Refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as a CD-RW or hard disk drive, confirm their operating system compatibility and required operating conditions.

Troubleshooting Software

My software program stops responding or crashes.

Contact the software publisher or designated provider for technical support. See the “About the Software on Your Computer” section for more information.

When I click an application icon, the message “You must insert the application CD into your CD-ROM (DVD-ROM) drive” appears, and the software does not start.

- Make sure that your optical drive is connected to your computer.
- Some titles require specific files that are located on the application CD. Insert the disc and try starting the program again.
- Make sure you place the CD in the tray with the label side facing up.

I cannot use the DVgate software.

If your computer is using the Ultimate Battery Life profile for its power saving mode, you cannot use DVgate or Smart Connect software. Please select another profile.

My computer’s start-up time seems longer after I have installed AOL. What can I do?

On some computers, installing America Online® (AOL) may increase boot time by up to a minute. If you experience this on your system and would like to speed up the time required to start your computer, you may want to disable the AOL WAN driver. Do the following:

- 1 Click Start in the Windows® taskbar and select Control Panel.
- 2 Click Network and Internet Connections, and select Network Connections.
- 3 Right-click on the Local Area Connection with device name “WAN Network Driver,” and select Disable.

Verify that your AOL connection still functions satisfactorily with the WAN Network Driver disabled. If you need to reverse this setting, repeat the steps above and select Enable.

What software do I use for CD-R/CD-RW software functions?

Sony recommends using the preinstalled SonicStage software's Record function to create any CDs on your VAIO® computer, if the specific model you purchased is preconfigured with all necessary components for CD-R and CD-RW capability.

Downloading the optional RealJukebox CD-burning component to create any CDs on your computer may interfere with normal system operations.

Troubleshooting the Modem

My modem does not work.

- ❑ Check that the telephone cable is plugged into the line jack. See “Connecting a Telephone Cable” for details.
- ❑ Check that the telephone cable is working. You can check the line by plugging in an ordinary telephone and listening for a dial tone.
- ❑ Check that the telephone number the program is dialing is correct.
- ❑ Check that the software you are using is compatible with the computer’s modem. (All preinstalled Sony programs are compatible.)
- ❑ Reinstall the modem driver. See “Using Your Recovery CDs” for more information.

My modem connection is slow.

Your computer is equipped with a V.90/K56flex-compatible modem. Many factors may influence modem connection speed, including telephone line noise or compatibility with telephone equipment (such as fax machines or other modems). If you think your modem is not connecting properly to other PC-based modems, fax machines, or your Internet Service Provider, check the following:

- ❑ Have your telephone company check that your telephone cable is free from any line noise.
- ❑ If your problem is fax-related, check that there are no problems with the fax machine you are calling and that it is compatible with fax modems.
- ❑ If you are having a problem connecting with your Internet Service Provider, check that the ISP is not experiencing technical problems.
- ❑ If you have a second telephone cable available, try connecting the modem to that line.

Troubleshooting Audio

My speakers have no sound.

- ❑ If the built-in speakers are turned off, press the Fn+F3 keys to turn on the speakers. You can also turn on the speakers using the Jog Dial Control.
- ❑ If the speaker volume is turned to the minimum, press the Fn+F4 keys, and then press **↑** or **→** to increase the volume or you can use the Jog Dial Control to control the volume.
- ❑ If nothing is displayed when you press the Fn+F3 or Fn+F4 keys, then:
 - 1 Click Start, point to Control Panel, click “Sounds, Speech, and Audio Devices,” and click “Sounds and Audio Devices.” The Sounds and Audio Devices Properties dialog box appears.
 - 2 Verify that the Mute box has not been checked, and that the volume is not on the lowest setting. You can choose advanced options to customize audio settings.
- ❑ If your computer is battery-powered, check that the battery pack is inserted properly and that it is charged.
- ❑ If you are using an application that has its own volume control, check that the volume is turned up.
- ❑ Check the volume controls in Windows®.
- ❑ If you connect external speakers, check that the speakers are properly connected and the volume is turned up. If the speakers have a mute button, make sure it is off. If the speakers are powered by batteries, check that the batteries are inserted properly and that they are charged.
- ❑ If you have connected an audio cable to the Headphone jack, disconnect the cable.

There is noise distortion while listening to music with speakers or headphones.

You may experience noise distortion while listening to music with speakers or headphones if the CPU control is set to Automatic Profile Selection. Use the preinstalled PowerPanel™ software to set the CPU control to Performance or Battery Life. If you use a memory-intensive application, set the CPU control to Performance.* To change the CPU control, follow these steps.

- 1 Right-click the CPU icon on the bottom right of the taskbar, and click “Edit/create profiles. The Profile editor window appears.
- 2 In the left portion of the window, click the power management profile you want to set. Maximum Battery Life is the default selection when your computer runs on battery power.
- 3 In the right portion of the window, double-click CPU Control. The list of CPU control options appears.
- 4 Click Performance or Battery Life. If you use a memory-intensive application, set the CPU control to Performance.*
- 5 Click the File menu and select Save.
- 6 Close the Profile Editor window.



My microphone does not work.

If you are using an external microphone, check that the microphone is plugged into the Microphone connector. See “Connecting an External Microphone” for details.

* Applicable to models with a Crusoe™ processor.

Troubleshooting Memory Stick Media

I cannot open image files.

- ❑ If the Sony MemoryStick dialog box does not appear when you first insert a Memory Stick media, you can:
 - 1 Click Start, and then My Computer. The My Computer window appears.
 - 2 Click the Sony MemoryStick icon. If your images are not stored in a folder, your images should appear in the Sony MemoryStick window. Click the Left or Right arrows   to view images. If your images are stored in a folder, open the folder to view your images.
- ❑ The format of your Memory Stick media may not be compatible with the software you are using to view your image files. When you reformat your Memory Stick media, you lose the images and data stored on that media. Copy the data from the Memory Stick media onto the hard disk drive of your computer to save your images and data. Reformat the Memory Stick media using Memory Stick Formatter software preinstalled on your computer.

Memory Stick media does not work. I cannot access the removable drive.

- ❑ If you cannot find the Memory Stick icon in My Computer, click the View drop-down menu and select Refresh. Wait a few moments to recognize the Memory Stick media. Click the Memory Stick icon to view any possible contents.

Getting Help

Sony provides you with several support resources to answer questions about your VAIO® computer or the preinstalled software. Refer to these resources in the order they are listed.

Support Options

If you have questions about your computer or the preinstalled software, refer to the following sources for answers in the sequence listed below.

-
- 1 VAIO® Computer User Guide**
The online VAIO® Computer User Guide and the printed VAIO® Computer Quick Start provide you with information on how to maximize your computer capabilities and solve common problems.

 - 2 Software Manuals and Online Help Files**
The software preinstalled on your computer may come with an online manual. These manuals are stored on the hard disk drive as online Help files. You can find the Help files from the Help menu under the specific software application. Some software applications may come with a printed manual.

 - 3 Operating System Online Support**
Your computer comes preinstalled with Microsoft® Windows®. For operating system support, you can access Microsoft® customer support at: <http://support.microsoft.com/directory/>.
-

4 VAIO Support Agent

You can find VAIO Support Agent by clicking Start and selecting Help and Support. Using advanced diagnostic technology, Sony's VAIO Support Agent runs scheduled protections of your applications, network settings, and other important software settings. When your software is protected, you can use VAIO Support Agent to repair software problems by restoring your software to any of the previously protected states.

5 Sony Computing Support

This service provides instant access to information on commonly encountered problems. Enter a description of your problem and the Knowledge Database searches for the corresponding solutions online. You can access Sony Computing Support at:
<http://www.sony.com/pcsupport>.

6 Sony Fax-on-Demand

This service, which requires a fax machine or your fax software, provides answers to commonly asked questions. You can use this automated service to request a list of available topics, and select the topics that you want to receive. To contact the Sony fax-on-demand service, call: 1-888-4-SONY-PC (1-888-476-6972).

7 Sony Customer Support

Sony and Microsoft software support is available free of charge for 90 days after the original date of purchase. You can call and speak with a Sony Customer Support Representative without using your computer by calling: 1-888-4-SONY-PC (1-888-476-6972).

8 Sony Service Center

For the Sony Service Center nearest you, call 1-888-4-SONY-PC (1-888-476-6972) or find Sony Customer Service on the Web at <http://www.sony.com/pcsupport>.

Index

A

About This Computer tab 79

AC power setting 82

adding

 hardware 43

 memory 93

 peripherals 43

 printers 68

adjusting

 brightness 17

 volume 17

Alt key 14

Application Recovery CD 115

Applications key 14

audio

 adjusting volume 17

 troubleshooting 135

Audio tab 79

AV In 44

AV Out 44

B

battery packs

 charge status icons 86

 conserving battery power 84

BatteryScope utility 85

brightness

 adjusting 17

built-in speaker 17

 volume 17

C

camera

 built-in 19

 digital video camcorder 62

 notes on 23

canceling commands 13

Caps Lock

 indicator light 16

CD or DVD discs

 cleaning 52

 handling 51

 inserting 50

CD-ROM drive

 closing lid 51

 connecting 34, 49

 using 49

cleaning

 CD or DVD discs 52

coin-operated telephones 40

computer

 connecting to another 60

 expanding capabilities 75

 setup screen 78

Connecting

 Ethernet 41

 LAN 41

connecting

 another VAIO computer 60

 CD-ROM drive 34, 49

 coin-operated telephones 40

 digital video recorder 62

 external display 65

 external mouse 59

 external speakers 74

- floppy disk drive 46
- i.LINK device 62
- i.LINK optical disc drive 53
- microphone 69
- monitor 65
- multiple telephone lines 40
- network 34
- party telephone lines 40
- PBX 40
- printer 68
- projector 66
- telephone cable 39
- telephone line 39
- TV 67
- connectors
 - printer 68
- correction keys 13, 14
- Ctrl key 14
- cursor-movement keys 13
- D**
- digital video camera 62
- display
 - connecting an external 65
 - mode 88
- drives 49
 - CD-ROM 49
 - floppy disk 46
 - optical 49
 - troubleshooting 129
- DV In/Out 62
- DVD-ROM drive tray
 - troubleshooting 130
- DVgate applications 107
- E**
- Eject button 47
- ejecting
 - floppy disks 47
- Escape key 13
- Ethernet port 44
- expanding computer capabilities 75
- external
 - display 65
 - microphone 69
 - mouse 59
 - speakers 74
- F**
- floppy disk drive
 - connecting 46
 - disconnecting 47
- floppy disks
 - ejecting 47
 - handling 48
 - inserting into drive 46
- Fn key 14
 - combination commands 16
- function keys 13, 14
- G**
- getting help 139
- Guide mode 28
- H**
- handling
 - CD or DVD discs 51
 - floppy disks 48
- headphone connector 66
- help 139
- Hibernate mode 18, 37
- I**
- i.LINK 62
 - connecting an i.LINK device 62
 - notes on 63
- i.LINK optical disc drive
 - connecting 53
 - notes on 58
- IEEE 1394 62
- indicator lights
 - Caps Lock 16

- Num Lock 16
- Scroll Lock 16
- Insert key 13, 14
- inserting
 - CD or DVD discs 50
 - floppy disks into drive 46
- installing
 - hardware 43
 - memory 34
 - peripherals 43
- J**
- Jog Dial control 26
- K**
- keyboard 16
 - using 12–15
- L**
- LAN
 - connecting to 41
- LCD
 - troubleshooting 126
- M**
- MagicGate 31
- Maximum Battery Life power setting 82
- Maximum Performance power setting 82
- memory
 - adding 93
 - confirming added capacity 99
 - removing 95
- memory module
 - installing 34
- Memory Stick
 - notes on 33
 - troubleshooting 137
 - using 31
- Memory Stick card slot 32
- Memory Stick media
 - displaying contents 32
- microphone
 - external 69
 - troubleshooting 136
- modem
 - troubleshooting 134
- monitor
 - connecting 65
 - switching among 17
- MOTION EYE camera
 - notes on 23
 - using 19
- mouse
 - connecting 59
 - troubleshooting 127
- multiple telephone lines 40
- N**
- navigation keys 13
- network
 - connecting 34
- Notebook Setup tabs 79
- Num Lock
 - indicator light 16
- numeric keypad area 13
- O**
- operator keys 14
- output devices
 - adding 68
- P**
- party telephone lines 40
- PBX 40
- PC Card
 - inserting 34
 - removing 35
 - troubleshooting 129
 - Type II 34
 - using 34
 - Wireless LAN 76

- PDA 75
- peripheral devices
 - troubleshooting 129
- Personal Digital Assistant 75
- pointing device
 - replacing the cover 25
 - troubleshooting 127
 - using 24
- ports
 - USB 46
- Power Management
 - commands 83
 - profiles 81
- power management
 - settings 80
- Power Management Off power setting 82
- Power On
 - Password tab 79
- power saving modes
 - Hibernate 18, 37
 - Standby 17, 37
- power setting
 - AC 82
 - Maximum Battery Life 82
 - Maximum Performance 82
 - Power Management Off 82
 - Standby 84
 - Video Standby 84
- PowerPanel
 - activating 80
 - customizing toolbar 81, 84
- Print Screen key 13
- printer
 - connecting 68
 - port 68
- projector 66
- R**
- Recovery CDs 115
- removing
 - floppy disk drive 47
 - floppy disks 47
 - memory module 95
- restoring data 115
- S**
- Scroll Lock
 - indicator light 16
- setup screen
 - About This Computer tab 79
 - Audio tab 79
 - displaying 78
 - Power On Password tab 79
- setup tabs 79
- Shift key 14
- software
 - descriptions 102
 - DVgate 107
 - troubleshooting 132
 - using the Jog Dial control with 29
- Sony Fax-on-Demand 140
- Sony Notebook Setup screen 78
- Sony Service Center 111
- speakers
 - connecting 74
 - troubleshooting 135
- Standby mode 17, 37, 84
- switching
 - display 17
 - monitor 17
- System Recovery CD 117
- T**
- technical support 139
- telephone
 - connecting line 39
- television
 - connecting 67

troubleshooting
 audio 135
 drives, PC Cards, and peripheral
 devices 129
 general 121
 LCD screen 126
 Memory Stick media 137
 modem 134
 mouse and pointing device 127
 software 132

TV
 connecting 67

U

USB port 46
using
 Jog Dial control 26
 Memory Stick 31
 PC Cards 34
 pointing device 24

V

video camera 62
volume
 adjusting 17

W

window design of Sony software 88
Windows
 Find window 15
 help 14
 key 14
 key combinations 14
 taskbar 124
Wireless LAN 75

