

SONY

***VAIO® Computer
Quick Start***

PCG-Z1V Series

Short Cut Menu

-  +F1 Displays the VAIO Help and Support Center window.
-  +Tab Switches the selected button on the taskbar.
-  +D Displays the desktop.
-  +E Displays the My Computer window.
-  +F Displays the Search Results window, where you can 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 Computer from the Start menu.
-  +M Minimizes all displayed windows.
- 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.
- Fn+F3 Toggles the built-in speakers off and on.
- Fn+F4 Together with the  or  keys, it increases volume.
Together with the  or  keys, it decreases volume.
- Fn+F5 Together with the  or  keys, it increases brightness.
Together with the  or  keys, it decreases brightness.
- Fn+F7 Toggles the display between the computer screen (LCD), a connected external display, and both the LCD and an external display.
- Fn+F12 Puts the system into Hibernate mode, a power management state. To return the system to normal operating mode, press the power button.
- Fn+Esc Puts the system into Standby mode, a power management state. To return the system to the active state, press any key or the power button.

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Notice to Users

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As an ENERGY STAR® Partner, Sony Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

The International ENERGY STAR® Office Equipment Program is an international program that promotes energy saving through the use of computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, displays, printers, facsimiles and copiers. Their standards and logos are uniform among participating nations. ENERGY STAR is a U.S. registered mark.



The Wireless LAN functionality, which is incorporated into selected models only, has passed Wi-Fi certification and complies with the interoperability specifications established by WFA (Wi-Fi Alliance).

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End User / Product Activation Requirements

Certain software product(s) included with this computer may include features such as copy protection and content management technology. Use of the software product(s) requires agreement to applicable end user agreements and full compliance with applicable product activation procedures. Product activation procedures and privacy policies will be detailed during initial launch of the software product(s), or upon certain reinstallations of the software product(s) or reconfiguration of the computer, and may be completed by Internet or telephone (toll charges may apply).

Owner's Record

The model number and serial number are located on the bottom of your Sony VAIO computer. Refer to the model and serial number when you call your Sony Service Center.
Model Number: PCG-591L
Serial Number: _____

Safety Information

WARNING

- To prevent fire or shock hazard, do not expose your computer to rain or moisture.
- To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.
- Never install modem or telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wire or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Avoid using the modem during an electrical storm.
- Do not use the modem or a telephone to report a gas leak in the vicinity of the leak.
- A socket outlet should be as close as possible to the unit and easily accessible.
- i.LINK, PC Card, and USB connectors are not supplied with Limited Power Sources.
- To prevent possible damage to your computer during transportation, first attach any supplied connector covers and slot protectors in their appropriate locations, and secure the battery pack in the battery bay.



To change the backup battery, please contact your nearest Sony Service Center.

Caution: The use of optical instruments with this product will increase eye hazard. As the laser beam used in this product is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

(For CD-RW/DVD Combo Drive, CD-ROM drive, DVD-ROM drive) Danger: Visible and invisible laser radiation when open. Avoid direct exposure to beam.

Caution: To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord.

AVERTISSEMENT

- Pour prévenir tout risque d'incendie ou d'électrocution, garder cet appareil à l'abri de la pluie et de l'humidité.
- Pour prévenir tout risque d'électrocution, ne pas ouvrir le châssis de cet appareil et ne confier son entretien qu'à une personne qualifiée.
- Ne jamais effectuer l'installation de fil modem ou téléphone durant un orage électrique.
- Ne jamais effectuer l'installation d'une prise téléphonique dans un endroit mouillé à moins que la prise soit conçue à cet effet.
- Ne jamais toucher un fil téléphonique à découvert ou un terminal à moins que la ligne téléphonique n'ait été débranchée de l'interface réseau.
- Soyez très prudent lorsque vous installez ou modifiez les lignes téléphoniques.
- Évitez d'utiliser le modem durant un orage électrique.
- N'utilisez pas le modem ni le téléphone pour prévenir d'une fuite de gaz quand vous êtes près de la fuite.
- L'appareil doit être le plus près possible d'une prise murale pour en faciliter l'accès.

- Des connecteurs i.LINK, PC Card, et USB ne sont pas fournis avec des Sources d'Énergie Limitées.
- Afin de prévenir des indemnités à votre ordinateur pendant la transportation, attachez d'abord tous les volets de connecteurs et protecteurs d'emplacements comme il faut, et insérez la batterie dans le logement de la batterie.



Pour changer la pile de recharge, veuillez contacter votre centre de service Sony le plus près.

Avertissement: L'utilisation d'instruments optiques avec ce produit augmente les risques pour les yeux. Puisque le faisceau laser utilisé dans ce produit est dommageable pour les yeux, ne tentez pas de désassembler le boîtier. Adressez-vous à un agent de service qualifié.

(Pour le lecteur Combo de CD-RW/DVD, le lecteur CD-ROM, le lecteur DVD-ROM) Danger: Radiation laser visible et invisible si ouvert. Évitez l'exposition directe au faisceau.

Attention : Afin de réduire les risques d'incendie, n'utilisez qu'un cordon de communication NO. 26 AWG ou plus gros.

If you have questions about this product, you can reach the Sony Customer Information Service Center at 1-888-4-SONY-PC; or write to the Sony Customer Information Service Center at 12451 Gateway Blvd., Ft. Myers, FL 33913 or find Sony Customer Service on the Web at: <http://www.sony.com/pcsupport>.

Regulatory Information

Declaration of Conformity

Trade Name:	Sony
Model No.:	PCG-591L
Responsible Party:	Sony Electronics Inc.
Address:	680 Kinderkamack Road Oradell, NJ 07649
Telephone: (For FCC-related matters only.)	201-930-6972
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:	
(1) This device may not cause harmful interference, and	
(2) this device must accept any interference received, including interference that may cause undesired operation.	

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications to the computer not expressly approved in this manual could void your authority to operate this equipment.

Only peripherals (computer input/output devices, terminals, printers, etc.) that comply with FCC Class B limits may be attached to this computer product. Operation with non-compliant peripherals is likely to result in interference to radio and television reception.

All cables used to connect peripherals must be shielded and grounded. Operation with cables connected to peripherals that are not shielded and grounded may result in interference to radio and television reception.

FCC Part 68

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this information must be provided to the telephone company.

This modem uses the USOC RJ11C telephone jack.

A telephone plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA.

The REN is used to determine the number of devices which may be connected to the telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US: AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance

notice in order for you to make the necessary modifications in order to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, please contact 1-888-4-SONY-PC (1-888-476-6972), or write to the Sony Customer Information Service Center, One Sony Drive, Park Ridge, NJ 07656. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Repair of this equipment should be made only by a Sony Service Center or Sony authorized agent. For the Sony Service Center nearest you, call 1-888-4-SONY-PC (1-888-476-6972).

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission, or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

Use a surge arrestor to protect against electrical surges.

FCC Radio Frequency Exposure (United States)

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. The Notebook Computer (PCG-591L) has been tested and found to comply with the Federal Communications Commission (FCC) guidelines on radio frequency energy (RF) exposures. The maximum SAR levels tested for the Notebook Computer (PCG-591L) has been shown to be 0.0551 W/kg at Body in condition of right side of display at a middle channel of band.

This device and its antenna(s) must not be co-located or operating with any other antenna or transmitter except Grant condition.

The Notebook Computer (PCG-591L) contains a Wireless LAN transmitter which is co-located and operating simultaneously with a 1.6mW Bluetooth module FCC ID: CWTUGPZ3.

Users are not permitted to modify these transmitter devices. Any unauthorized change made to this device could void your authority to operate this device.

IC RSS-210 (Canada)

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website www.hc-sc.gc.ca/rp/b.

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

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

L'expression "IC:" avant le numéro d'homologation/enregistrement signifie seulement que les spécifications techniques d'Industrie Canada ont été respectées.

L'installateur du présent matériel radio doit s'assurer que l'antenne est située ou pointée de manière à ce que cette dernière n'émette pas de champs radioélectriques supérieurs aux limites spécifiées par Santé Canada pour le grand public; consulter le Code de sécurité 6,

disponible sur le site Web de Sante Canada, a l'adresse suivante : www.hc-sc.gc.ca/rpb.

Telephone Consumer Protection Act of 1991 (United States)

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device, including FAX machines, to send any message unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message, and the telephone number of the sending machine or such business, other entity, or individual. (The telephone number provided may not be a 900 number or any other number for which charges exceed local or long-distance transmission charges.)

In order to program this information into your facsimile machine, see your fax software documentation.

Telephone Consumer Guidelines (Canada)

Please refer to your telephone directory under 'Privacy Issues' and/or 'Terms of Service.' For more detailed information, please contact:

CRTC

Terrasses de la Chaudière, Tour centrale 1 promenade du Portage, 5 étage Hull PQ K1A 0N2.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

RECYCLING LITHIUM ION BATTERIES

RECYCLING LITHIUM-ION BATTERIES

Lithium-Ion batteries are recyclable.



You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbcc.org/>.

Caution: Do not handle damaged or leaking Lithium-Ion batteries.

RECYCLAGE DES ACCUMULATEURS AUX IONS DE LITHIUM

RECYCLAGE DES ACCUMULATEURS AUX IONS DE LITHIUM

Les accumulateurs aux ions de lithium sont recyclables.



Vous pouvez contribuer à préserver l'environnement en rapportant les piles usées dans un point de collection et recyclage le plus proche.

Pour plus d'informations sur le recyclage des accumulateurs, téléphonez le numéro gratuit 1-800-822-8837 (Etats-Unis et Canada uniquement), ou visitez <http://www.rbcc.org/>.

Avertissement: Ne pas utiliser des accumulateurs aux ions de lithium qui sont endommagées ou qui fuient.



Do not handle damaged or leaking lithium ion batteries.

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 140°F (60°C) or incinerate. Dispose of used battery promptly. Keep away from children.

Ne pas utiliser des batteries au lithium ionisé qui sont endommagées ou qui fuient.

Une batterie non conforme présente un danger d'explosion. La remplacer seulement par une batterie identique ou de type équivalent recommandé par le fabricant. Evacuer les batteries usées selon les directives du fabricant.

La manutention incorrecte du module de batterie de cet appareil présente un risque d'incendie ou de brûlures chimiques. Ne pas démonter, incinérer ou exposer à une température de plus de 60°C. Evacuer promptement la batterie usée. Garder hors de portée des enfants.

AVIS DE L'INDUSTRIE CANADA

Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada.

L'indice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'exécède pas 5.

L'indice d'équivalence de la sonnerie de ce matériel est de 0,2.

INDUSTRY CANADA NOTICE

This equipment meets the applicable Industry Canada technical specifications. The Ringer Equivalence Number (REN) is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

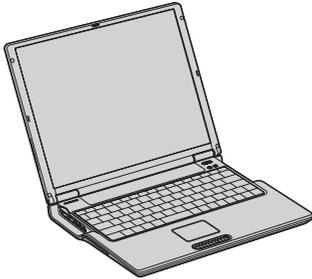
The REN for this equipment is 0.2.

Setting Up

Congratulations on your purchase of the Sony VAIO® computer. Sony has combined leading-edge technology in video, audio, computing, and communications to provide state-of-the-art personal computing.

Unpacking Your Computer

Main Unit



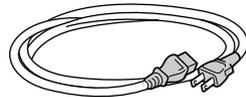
AC Adapter



Rechargeable Battery



Power Cord



VAIO Computer Documents

- ❑ **VAIO® Computer User Guide** — A searchable on-screen help file that contains detailed information on how to use your new computer. See “Locating Your VAIO Computer User Guide” on page 27 for more information.
- ❑ **VAIO® Computer Quick Start** (this document) — Contains information on unpacking and setting up your computer for immediate use.
- ❑ **VAIO® Computer Specifications** — An online file that details the hardware specifications and lists the installed programs on your computer. Go to <http://www.sony.com/pcsupport> for more information.

Software CDs

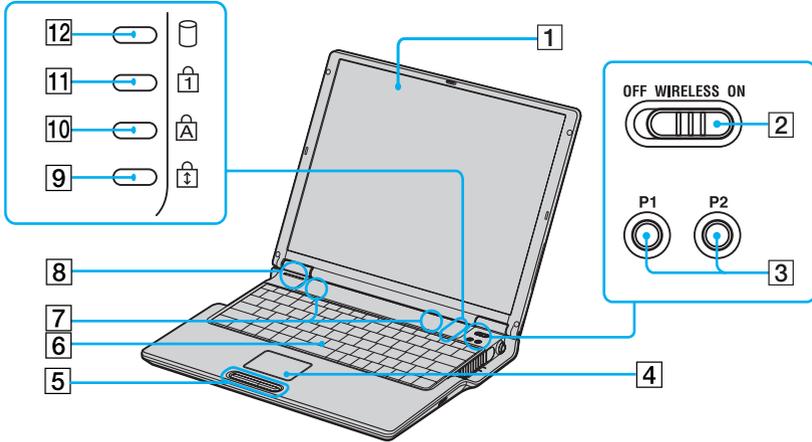
- ❑ Depending on the model you purchased, a selection of program CDs may be included with your computer.

About System Recovery operations

Only computers equipped with the Microsoft® Windows® 2000 Professional operating system come with Recovery CDs. Computers with the Microsoft® Windows® XP operating system feature a Hard Disk Drive recovery process that eliminates the need for Recovery CDs.

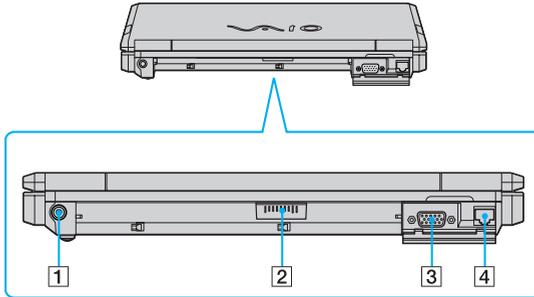
Locating Controls and Ports

Front



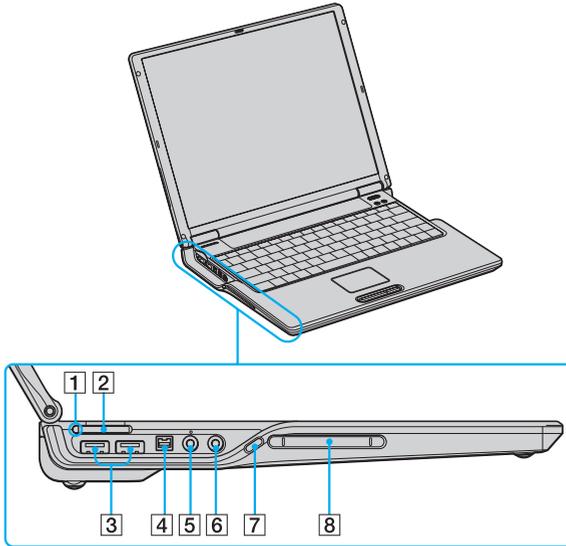
1	Computer screen (LCD)	7	Speakers
2	Wireless LAN / Bluetooth™ switch	8	Model number
3	Pre-programmable buttons	9	Scroll lock indicator
4	Touch pad	10	Caps lock indicator
5	Left and right buttons	11	Num lock indicator
6	Keyboard	12	Hard disk drive indicator

Back



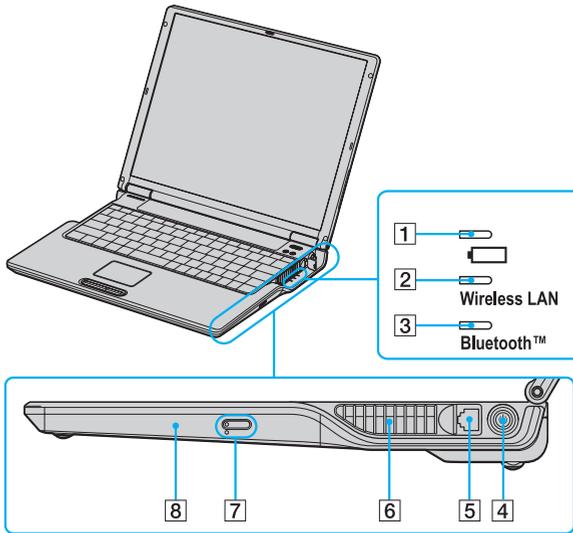
1	DC IN port	3	Monitor (VGA) port
2	Battery port	4	Network (Ethernet) port

Left



1	Memory Stick® media indicator	5	Microphone jack
2	Memory Stick® media slot	6	Headphone jack
3	USB 2.0 ports	7	PC Card slot eject button
4	i.LINK® (IEEE 1394) S400 port	8	PC Card slot

Right

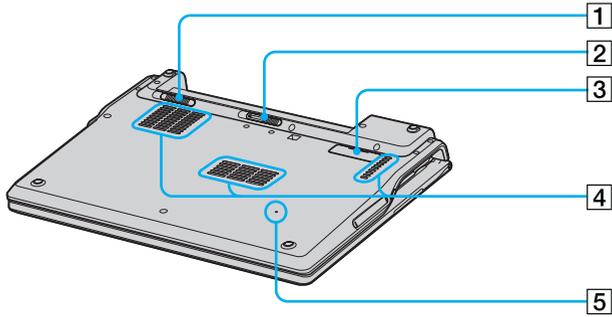


1	Battery indicator	5	Modem jack
2	Wireless LAN indicator	6	Air Vent
3	Bluetooth™ indicator	7	Optical drive eject button
4	Power button	8	Optical drive



Only connect 10BASE-T or 100BASE-TX cables to the  Network (Ethernet) port. Do not connect any other type of network cable or any telephone line to this port. 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 a network, refer to your on-screen VAIO® Computer User Guide or contact your network administrator. See “Locating Your VAIO Computer User Guide” for more information.

Bottom



1	Unlock/Lock latch	4	Ventilation fans
2	Release latch	5	Reset button
3	Port replicator connector		

Getting Started

This section helps you get your computer running and registered, so you can take advantage of Sony's many support options. You'll also learn how to locate your on-screen VAIO® Computer User Guide, which contains step-by-step instructions for operating your computer.

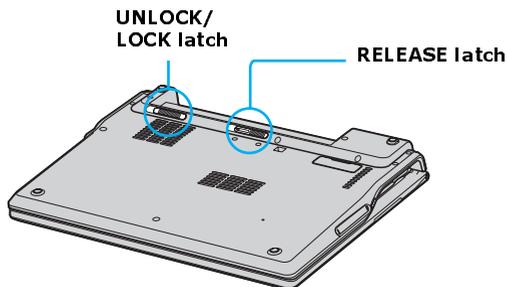
Turning On Your Computer

To use your computer immediately, use the supplied AC adapter as a power source. Your supplied battery is not charged when you unpack it, however, you can begin charging it when you use your AC adapter. See “Powering Your Computer” in your on-screen VAIO® Computer User Guide for more information about using batteries. See also “Locating Your VAIO Computer User Guide” on page 27.

To attach and charge the battery

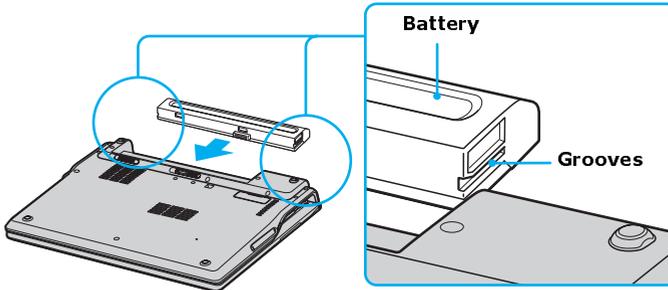
- 1 Move the **UNLOCK/LOCK** latch on the bottom of the computer to the **UNLOCK** position.

UNLOCK/LOCK Latch



- 2 Align the grooves on the battery with the tabs and notches on the back of the computer, and slide the battery toward the computer until it clicks into place.

Inserting the Battery



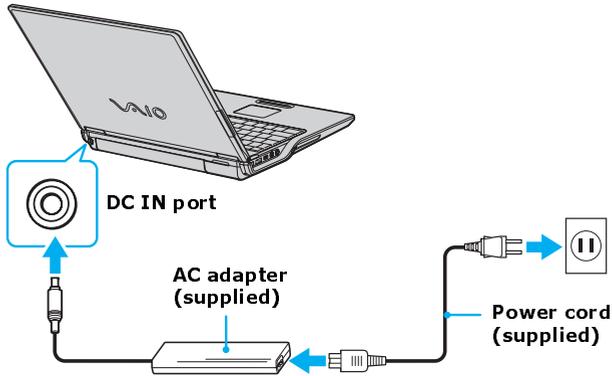
- 3 Move the **UNLOCK/LOCK** latch into the **LOCK** position to secure the battery on the computer.
- 4 Connect the AC adapter to the computer. See “To connect the AC adapter.”

Once you connect the AC adapter to the computer, the battery begins to charge whether the computer is on or off. The battery indicator shows the battery status. The indicator blinks as the battery charges. See “Powering Your Computer” in your on-screen VAIO® Computer User Guide for more information.

To connect the AC adapter

- 1 Plug the AC adapter cable into the DC IN port.

Connecting the AC Adapter to the Computer



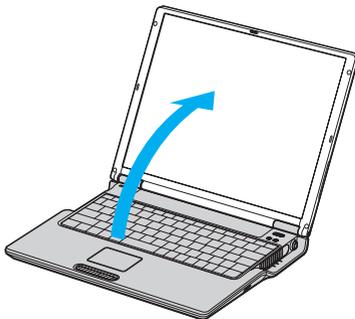
- 2 Plug the power cord into the AC adapter and an AC outlet.

 Use only the supplied AC adapter with your computer.

To open and turn on the computer

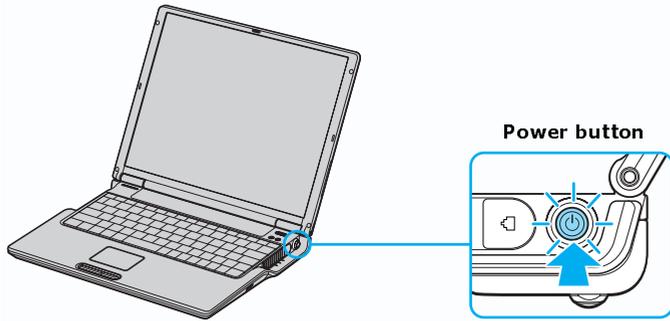
- 1 Lift the cover while holding the bottom of the computer firmly.

Opening the Computer



- 2 Press the power button until the green power indicator lights up.

Turning on the Computer



 If you continue to press the power button, the computer turns off.

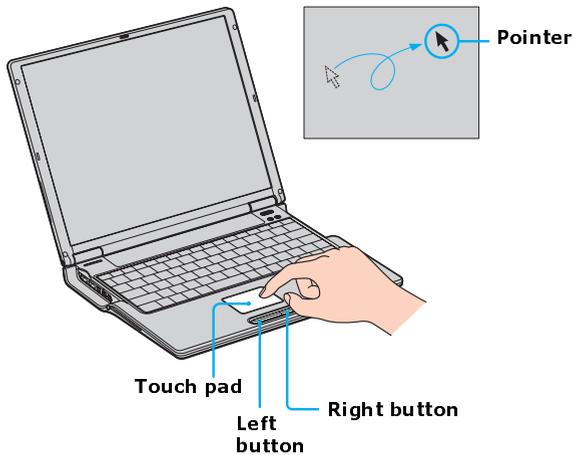
- 3 If necessary, adjust the brightness controls for the LCD display as follows:
 - ❑ To increase brightness, press the **Fn+F5** keys, and then press the **Up Arrow** key **↑** or **Right Arrow** key **→**.
 - ❑ To decrease brightness, press the **Fn+F5** keys, and then press the **Down Arrow** key **↓** or **Left Arrow** key **←**.

Using the Touch Pad

The computer contains a pointing device called a touch pad. You can point to, select, drag, and scroll objects on the screen using the built-in touch pad.

Describing the touch pad

Locating the Touch Pad



<i>Touch Pad Action</i>	<i>Description</i>
Sliding one finger	Equivalent to using a mouse to place the pointer on an item.
Tapping once	Equivalent to pressing the left button once.
Tapping twice	Equivalent to pressing the left button twice.

<i>Touch Pad Action</i>	<i>Description</i>
Sliding one finger while pressing the left button	Equivalent to using the mouse to drag an item.
Moving your finger along the right edge of the touch pad	Equivalent to scrolling vertically. (The scroll function is available only with programs that support a touch pad scroll feature.)
Moving your finger along the bottom to scroll horizontally	Equivalent to scrolling horizontally. (The scroll function is available only with programs that support a touch pad scroll feature.)

Registering Your Computer

 You are prompted to register your computer the first time you turn on the unit. Follow the on-screen instructions to complete the registration process. If you are not able to register your computer during the first session, you are provided with additional registration opportunities later.

Take advantage of Sony's commitment to quality customer support and receive these benefits by registering your computer:

- ❑ Sony Customer Support — Talk to a support representative to troubleshoot problems you may have with your computer.
- ❑ Limited Warranty Extension — Protect your investment. See the Warranty Card for more details.
- ❑ Product Information Notification — By giving Sony your contact information, you will enable Sony to reach you regarding performance updates and upgrades.

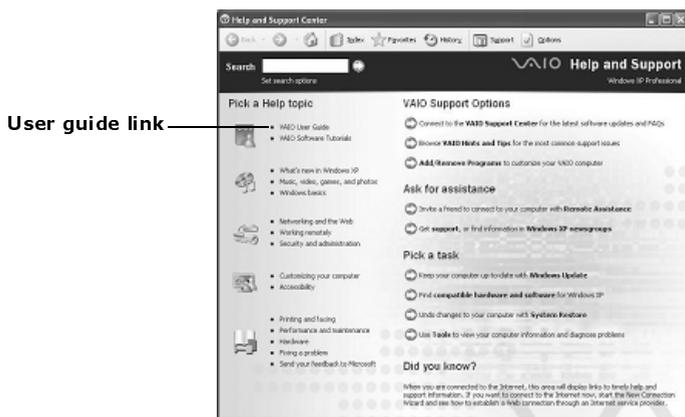
Locating Your VAIO Computer User Guide

The on-screen VAIO® Computer User Guide is a searchable help file that contains detailed information on how to use your new computer.

To open the user guide

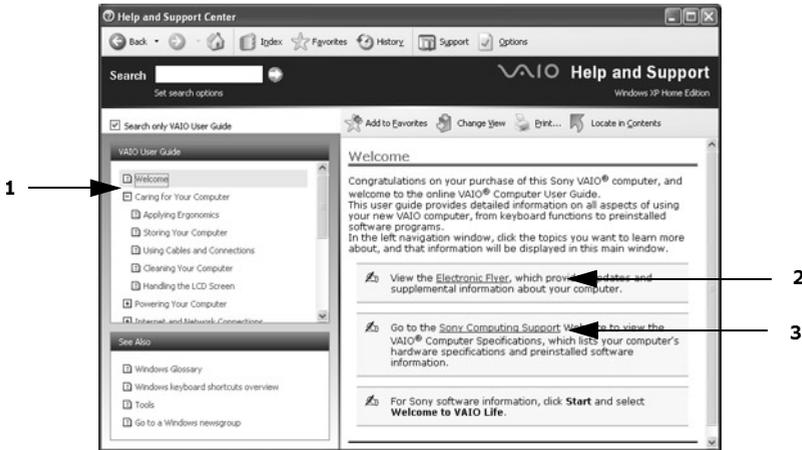
- 1 Click **Start** on the Windows® taskbar, and then click **Help and Support**. The **Help and Support Center** window appears, displaying information about your VAIO® computer and Microsoft® Windows® operating system.

Locating the VAIO User Guide



- 2 Click **VAIO User Guide** in the **Pick a Help topic** column. A second **Help and Support Center** window appears, which offers information about your computer.

VAIO User Guide



1	User guide table of contents	List of computer help topics
2	Link to Electronic Flyer	List of updates and supplemental information
3	Link to VAIO Computing Support Web site	Access to computer support and list of your computer's hardware specifications (Internet access required).

Setting Up A Dial-Up Connection

This section describes the basic steps for setting up your dial-up connection. The Connection Wizard guides you through the process of choosing an Internet Service Provider (ISP) or setting up an existing account, and connecting to the Internet.

To set up a dial-up connection

- 1 Connect a telephone cable to your computer. See “Setting up a dial-up Internet connection” in the Internet and Network Connections chapter of your on-screen VAIO® Computer User Guide.
- 2 Click **Start**, point to **All Programs, Accessories, Communications**, and then click **New Connection Wizard**. The **New Connection Wizard** appears.

New Connection Wizard



- 3 Click **Next**.
- 4 If it is not already selected, click **Connect to the Internet**.
- 5 Click **Next**.
- 6 Follow the on-screen instructions.

Turning Off Your Computer

Using the power button to turn off your computer may result in loss of data. Follow the steps below to properly turn off your computer and avoid losing data.

To turn off your computer

- 1 Close all operations.
- 2 Click **Start** on the Windows® taskbar.
- 3 Click **Turn Off Computer** at the bottom of the **Start** menu to display the **Turn off computer** window, and select **Turn Off**.

 Respond to any prompts warning you to save documents.

- 4 Wait for your computer to turn off automatically. The computer is off when the power indicator turns off.

 During a period of inactivity, you can conserve battery life by using power saving modes. See “Conserving Battery Power” in the VAIO® Computer User Guide for more information.

 If you are unable to turn off the computer, press the power button and hold it until the computer turns off. This operation may result in data loss.

VAIO Recovery Wizard Utility

(Windows® XP only) System and Application Recovery CDs are not supplied with your VAIO® computer. Your VAIO computer is equipped with the VAIO Recovery Wizard, a fast and easy-to-use system recovery utility. This system and application recovery utility enables you to recover preinstalled software programs, the operating system, and to create a VAIO Recovery Media Kit.

About the VAIO Recovery Wizard utility

- ❑ Use the several recovery options to restore your preinstalled software programs and specific partitions on your hard disk drive.
- ❑ Follow the instructions that guide you through several recovery options choosing the default selections or customizing your computer's recovery.
- ❑ Discover the advantages of recovering your computer without using CDs or other external media.
- ❑ Create your own Recovery Media Kit, using your purchased CD or DVD media.

Creating a Recovery Media Kit

You can create your Recovery Media Kit using CD or DVD media* that can be used if your system does not start. The Recovery Media Kit enables you to reclaim the space reserved for the recovery partition (approximately 5 GB).

For more information about creating the Recovery Media Kit, see the VAIO Recovery Options online guide:

- 1** Click **Start** in the Windows® taskbar, and then click **Help and Support**.
- 2** From the **VAIO Help and Support Center**, click **VAIO Recovery Options**.

* The number of CDs and/or DVDs required to create a Recovery Media Kit may vary, depending on the computer model purchased.

Visit the Sony Computing Support Web site for the latest information about using the VAIO Recovery Wizard or Recovery Media Kit.

Go to <http://www.ita.sel.sony.com/support/news/hddrecovery.html>.

To purchase a VAIO Recovery Media kit

- 1 Go to the Sony Direct Accessories and Parts Center Web site at <http://servicesales.sel.sony.com>.
- 2 Enter your computer model number (for example, PCV-XXXX), and click **List Parts and accessories**.
- 3 Follow the online instructions to order the Recovery Media Kit.



If you are not able to access the Sony Direct Accessories and Parts Center Web site, contact a customer service representative at 1-800-488-7669.

Using the VAIO Recovery Wizard Help

For more information about recovery options or instructions on using the VAIO Recovery Wizard utility program, see the VAIO Recovery Wizard Help.

Access the Help by following these steps:

- 1 Turn on your computer.
- 2 Click **Start** in the Microsoft® Windows® taskbar and click **All Programs**.
- 3 Click **VAIO Recovery Wizard**. The VAIO Recovery Wizard utility appears.
- 4 Click **Help**. The VAIO Recovery Wizard Help appears in a separate window*.

* If you do not perform a recovery operation, your system prompts you to restart your computer when closing the VAIO Recovery Wizard utility.

Troubleshooting

This section describes how to solve some basic problems you may encounter when using your computer. For more troubleshooting topics refer to the VAIO® Computer User Guide. Many problems have simple solutions, so refer to these sources before you contact Sony Computing Support (<http://www.sony.com/pcsupport>).

Troubleshooting Your Computer

What do I do if my computer won't start?

- ❑ Make sure the computer is securely plugged into a power source and turned on. Make sure the power indicator shows the power is on.
- ❑ Make sure the battery is inserted properly and charged.
- ❑ Make sure the floppy disk drive (if applicable) is empty.
- ❑ If the computer is plugged 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, make sure it is plugged into a power source and turned on. Make sure the brightness and contrast controls are adjusted correctly. See the guide that came with your display for details.
- ❑ Disconnect the AC adapter and remove the battery. Wait one minute. Reattach the AC adapter and reinsert the battery. Turn on the power.
- ❑ Condensation may cause the computer to malfunction. If this occurs, do not use the computer for at least one hour.
- ❑ If the computer still does not turn on, follow these steps:
 - 1 Unplug the power cord and remove the battery.
 - 2 Use a thin, straight object (such as a paper clip) to press the reset button.
 - 3 Reinsert the power cord and the battery.

- 4 Turn on the computer.

What do I do if a BIOS error appears when my computer starts?

If 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 the **Down Arrow** key **↓** to select **System Time**, and then set the time (hour: minute: second). Press **Enter**.
- 4 Press the **Right Arrow** key **→** to select the **Exit** tab, and then press the **Down Arrow** key **↓** to select **Get Default Values**. The message **Load default values for all SETUP items** appears.
- 5 Press **Enter**. The **Setup Confirmation** window appears.
- 6 Select **Yes**, and press **Enter**.
- 7 Select **Exit (Save Changes)**, and press **Enter**. The **Setup Confirmation** window appears again.
- 8 Select **Yes**, and press **Enter**. The computer restarts.

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

What do I do if the message “Operating system not found” appears when my computer starts, and why won’t Windows start?

- Make sure the computer does not have a “non-bootable” floppy disk in the floppy disk drive (if applicable).
- If a non-bootable floppy disk is in the drive:
 - 1 Remove the floppy disk.
 - 2 Restart the computer and confirm that the Microsoft® Windows® operating system starts properly.

- ❑ If Windows still does not start, follow these steps to initialize the BIOS:
 - 1 If there is a disk in the floppy disk drive, then remove it.
 - 2 Turn off the computer.
 - 3 Remove any peripheral devices connected to the computer.
 - 4 Restart the computer.
 - 5 Press the **F2** key when the Sony VAIO® logo appears. The **BIOS Setup** window appears.
 - 6 Press the **Right Arrow** key → to select the **Exit** menu.
 - 7 Press the **Down Arrow** key ↓ to select **Get Default Values**. The message **Load default values for all SETUP items** appears.
 - 8 Press **Enter**. The **Setup Confirmation** window appears.
 - 9 Select **Yes**, and press **Enter**.
 - 10 Select **Exit (Save Changes)**, and press **Enter**. The **Setup Confirmation** window appears again.
 - 11 Select **Yes**, and press **Enter**. The computer restarts.

What do I do if my computer stops responding?

It is best to turn off your computer using the Turn Off Computer option on the Microsoft® Windows® Start menu, located on the taskbar. Using other methods, including those listed below, may result in loss of unsaved data.

- ❑ Click **Start** on the Windows® taskbar, select **Turn Off Computer**, and then click **Turn Off**.
- ❑ If your computer does not turn off, press the **Ctrl+Alt+Delete** keys simultaneously. When the **Windows Task Manager** dialog box appears, click **Turn Off** from the **Shut Down** menu.
- ❑ If your computer still does not turn off, press and hold the power button or slide and hold the power switch until the computer turns off.
- ❑ If your computer stops responding while playing a CD or DVD, press the **Ctrl+Alt+Delete** keys simultaneously. You can turn off the computer from the **Windows Task Manager**.

 Pressing the **Ctrl+Alt+Delete** keys simultaneously or turning off the computer with the power button or switch may cause loss of data.

- ❑ Remove the AC adapter and battery.

Why won't my computer enter Standby or Hibernate mode?

If you press a key or the power button while the computer is entering Standby or Hibernate mode, then the operating system may become unstable and prevent the computer from entering either power saving mode.

To restore the computer to normal operating stability

- 1 Close all open programs.
- 2 Restart the computer. Follow these steps:
 - 1 Press the **Windows** key .
 - 2 Press **U**.
 - 3 Press **R** to select restart.
- 3 If the computer does not restart, follow these steps:
 - 1 Press the **Ctrl+Alt+Delete** keys simultaneously. The **Windows Task Manager** window appears.
 - 2 Press and release **Alt** to highlight the menu bar, and press the **Right Arrow**  key to select **Shut Down**.
 - 3 Press **Enter**.
 - 4 Press **R** to select restart.
- 4 If this procedure does not work, press and hold the power button until the computer turns off.

Support Options

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

1 VAIO® Computer User Guide

The on-screen VAIO® Computer User Guide provides information on how to maximize your computer capabilities and solve common problems.

2 Program Guides and Help Files

The preinstalled programs on your computer may come with individual help guides. These guides are stored on the hard disk as on-screen Help files. You can find the Help files from the Help menu under the specific program.

3 Operating System Online Support

Your computer comes preinstalled with a Microsoft® Windows® operating system. For operating system support, you can visit Microsoft® customer support at: <http://support.microsoft.com/directory/>.

4 Sony Computing Support

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

<http://www.sony.com/vaio>

