



















**SONY®**

***VAIO® Computer  
Quick Start***

**PCG-V505DC2 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 WECA (Wireless Ethernet Compatibility Alliance).

Sony, DVgate, DVgate Plus, Handycam, i.LINK, Mavica, MagicGate™ Memory Stick, Memory Stick, Memory Stick PRO, VAIO, and the VAIO logo are

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Reverse engineering or disassembly is prohibited. 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. Please 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. All other trademarks are trademarks of their respective owners.

## **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: \_\_\_\_\_

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-ROM) 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 débranché 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 lecteurs Combo de CD-RW/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-681L, PCG-682L
Responsible Party:	Sony Electronics Inc.
Address:	680 Kinderkamack Road Oradell, NJ 07649
Telephone: (For FCC-related matters only.)	201-930-6972
<p>This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:</p> <p>(1) This device may not cause harmful interference, and</p> <p>(2) this device must accept any interference received, including interference that may cause undesired operation.</p>	

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the 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.

The REN is used to determine the number of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total RENs, contact the telephone company to determine the maximum REN for the calling area. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US: AA AEQ##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. 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 operations 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, 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>. 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).

This equipment cannot be used on public coin service provided by the telephone company. Connection to party line service is subject to state and possible provincial tariffs. Contact the state public or provincial utility service 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)**

(FOR MODELS WITH WIRELESS LAN) This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 8 inches (20 cm) between the radiator and body (excluding extremities: hands, wrists, and feet).

This device and its antenna(s) must not be co-located or operating with any other antenna or transmitter. Users are not permitted to modify this transmitter device. Any unauthorized change made to this device could void your authority to operate this device.

### **IC RSS-210 (Canada)**

(FOR MODELS WITH WIRELESS LAN) 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.

(POUR LES MODÈLES AVEC RESEAU DE CONNEXIONS LOCAL SANS FIL) 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.

### **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, other entity, or 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.rbrrc.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.rbrrc.org/>.

Avertissement: Ne pas utiliser des accumulateurs aux ions de lithium qui sont endommagés 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. Évacuer 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. Évacuer promptement la batterie usée. Garder hors de portée des enfants.**

Le Nombre Équivalent de Sonneries (REN) de cet équipement terminal est 0,2. Le REN attribué à chaque équipement terminal indique le nombre maximum de terminaux que l'on peut connecter à une interface téléphonique. Il est possible de raccorder à une interface plusieurs combinaisons d'appareils, mais la somme des Nombres Équivalents de Sonneries de tous ces appareils ne doit pas dépasser cinq.

## **INDUSTRY CANADA NOTICE**

NOTICE: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications.

The Ringer Equivalence Number (REN) for this terminal equipment is 0.2. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals 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 Ringer Equivalence Numbers of all the devices does not exceed five.

## **AVIS DE L'INDUSTRIE CANADA**

REMARQUE: Cet équipement est conforme aux Spécifications Techniques des Équipements Terminaux d'Industrie Canada en vigueur.



# Setting Up

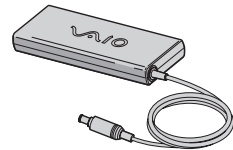
*Congratulations on your purchase of the Sony VAIO® computer. Sony has combined leading-edge technology in audio, video, computing, and communications to provide state-of-the-art personal computing.*

## **Unpacking Your Computer**

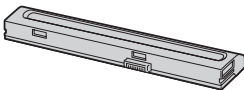
### *Main Unit*



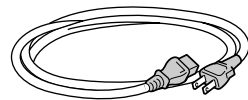
### *AC Adapter*



### *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.

## **Software CDs**

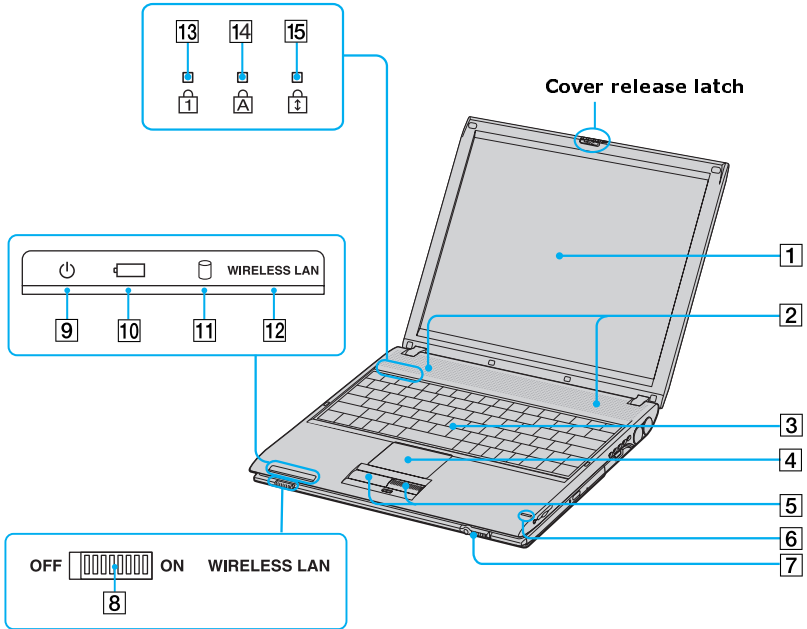
Depending on the model you purchased, additional program CDs may be included with your computer.

## **About System Recovery operations**

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

# Locating Controls and Ports

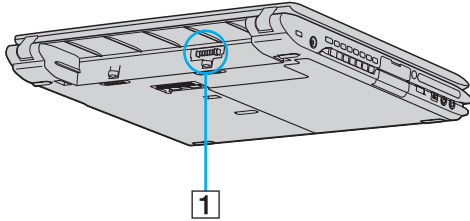
## Front



<b>1</b>	Computer screen (LCD)	<b>9</b>	Power indicator
<b>2</b>	Speakers	<b>10</b>	Battery indicator
<b>3</b>	Keyboard	<b>11</b>	Hard disk drive indicator
<b>4</b>	Touch pad	<b>12</b>	Wireless LAN indicator*
<b>5</b>	Left and right buttons	<b>13</b>	Num lock indicator
<b>6</b>	Memory Stick® media indicator	<b>14</b>	Caps lock indicator
<b>7</b>	Power switch	<b>15</b>	Scroll lock indicator
<b>8</b>	Wireless LAN switch*		

\* Wireless LAN capabilities are available on selected models only.

**Back**

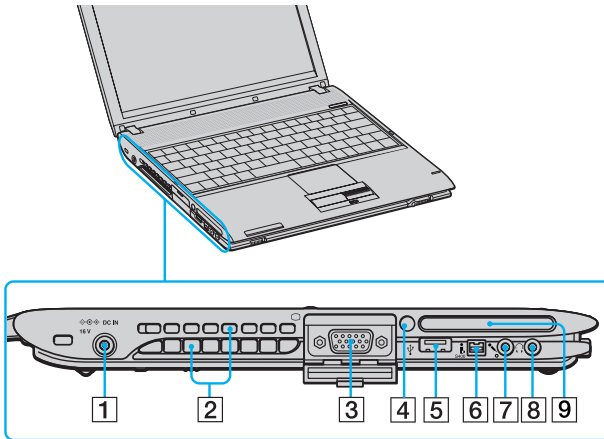


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**1** Battery port

---

**Left**

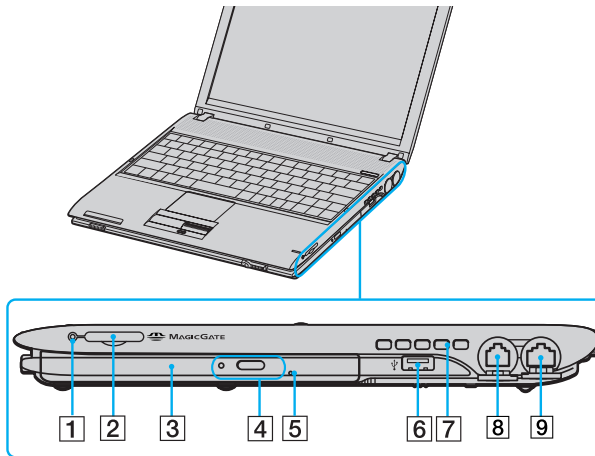


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<b>1</b>	DC IN port	<b>6</b>	i.LINK® (IEEE 1394) S400 port
<b>2</b>	Air vent	<b>7</b>	Microphone jack
<b>3</b>	Monitor (VGA) port	<b>8</b>	Headphone jack
<b>4</b>	PC Card eject button	<b>9</b>	PC Card slot
<b>5</b>	USB 2.0 port		


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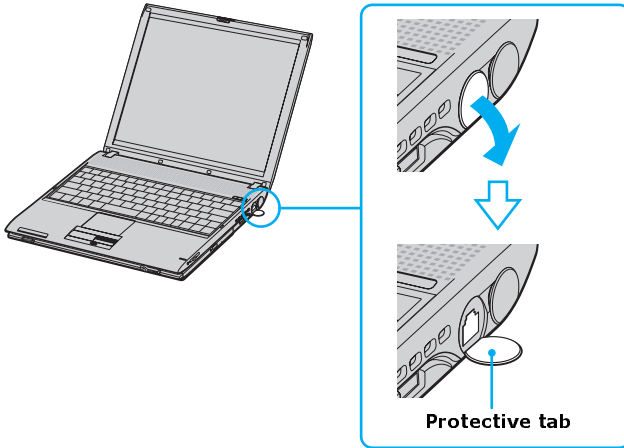
**Right**


<b>1</b>	Memory Stick® media indicator	<b>6</b>	USB 2.0 port
<b>2</b>	Memory Stick® media slot	<b>7</b>	Air vent
<b>3</b>	CD-RW/DVD drive	<b>8</b>	Modem jack
<b>4</b>	CD-RW/DVD drive eject button	<b>9</b>	Network (Ethernet) port
<b>5</b>	Manual eject hole		



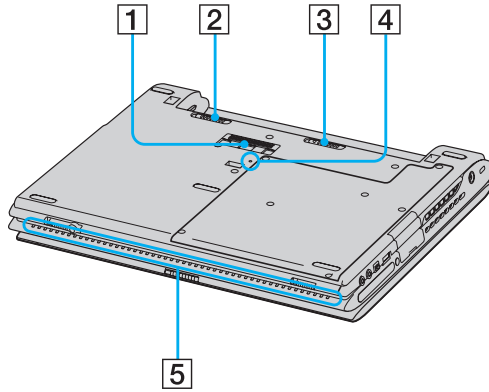
**Only connect 10BASE-T or 100BASE-TX cables to the  Network (Ethernet) port. Do not connect any other type of network cable or any telephone line to this port. Connecting cables other than those listed above may result in an electric current overload and could cause a malfunction, excessive heat, or 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.**

### *Removing the Protective Tabs*



 Gently pull the protective tabs away from the computer to find the Ethernet port and modem jack.

**Bottom**



<b>1</b>	Port replicator connector	<b>4</b>	Reset button
<b>2</b>	Battery UNLOCK/LOCK latch	<b>5</b>	Air vent
<b>3</b>	Battery RELEASE latch		



# 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.*

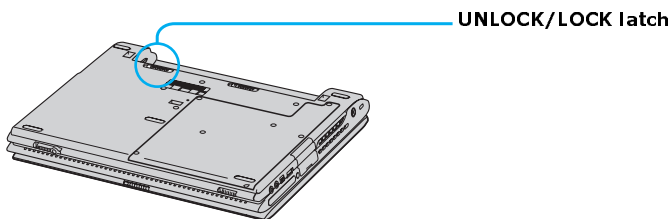
## **Turning On Your Computer**

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 charge the battery**

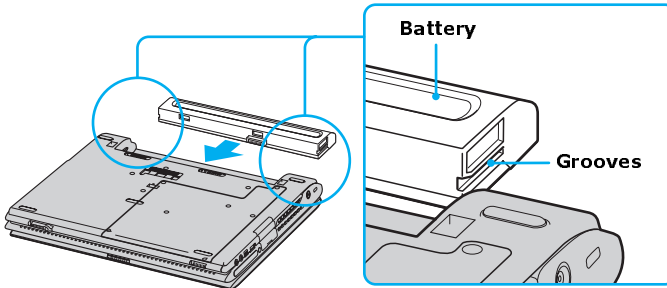
- 1 Switch the **UNLOCK/LOCK** latch on the bottom of the computer to the **UNLOCK** position.

### **UNLOCK/LOCK Latch**



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

### *Inserting the Battery*



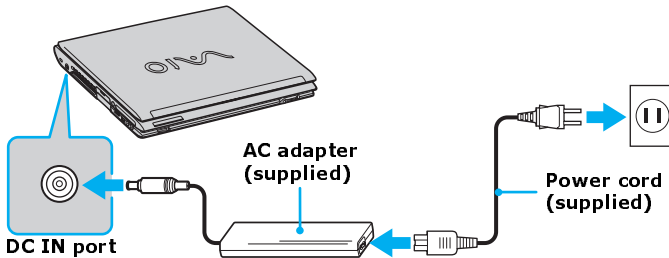
- 3 Slide the **UNLOCK/LOCK** latch into the **LOCK** position to secure the battery on the computer.
- 4 Connect the AC adapter to the computer. See “To connect the AC adapter.”

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



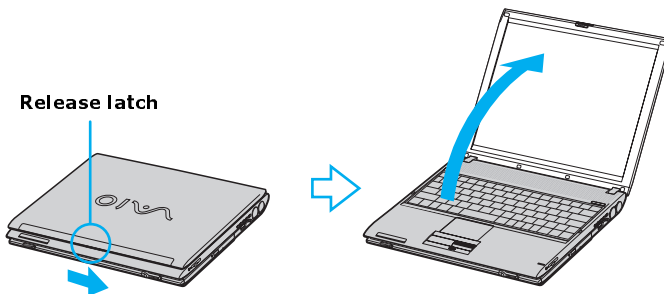
- 2 Plug the power cord into the AC adapter and an AC outlet.

 Use only the supplied AC adapter with your computer.

### To open and turn on the computer

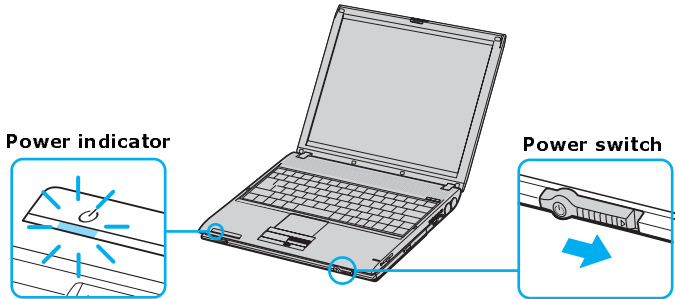
- 1 Slide the release latch to the right and lift the cover while holding the bottom of the computer firmly.


### Opening the Computer



- Slide the power switch to the right until the green power indicator lights up.

### Turning on the Computer



 If you hold the power switch to the right, the computer turns off.

- 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 **←**.

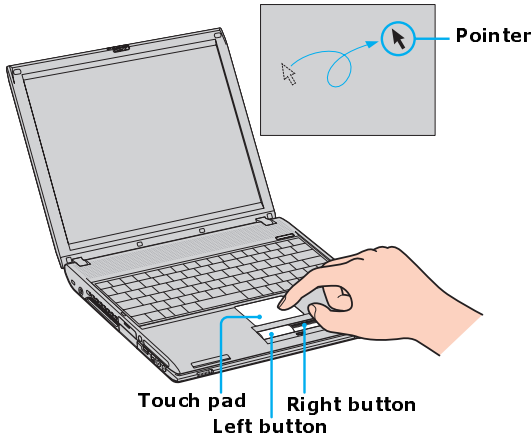
### Using the Touch Pad

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



<b><i>Touch Pad Action</i></b>	<b><i>Description</i></b>
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.
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.

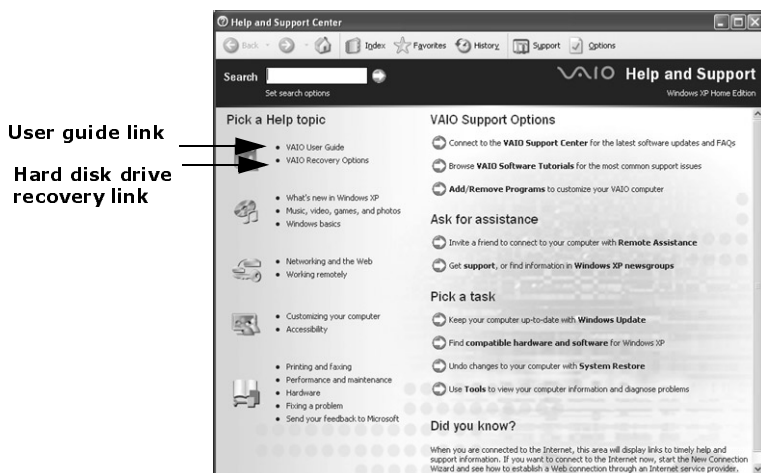
## Locating Your VAIO Computer User Guide

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 (Windows XP)

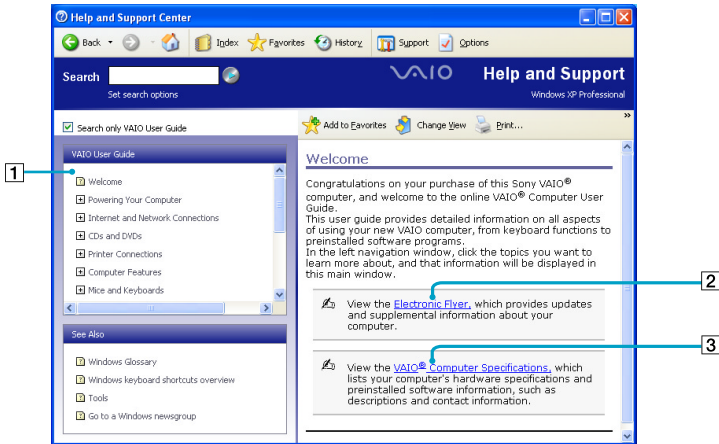
- 1 Click **Start** on the Windows® taskbar, and then click **Help and Support**. The **Help and Support Center** window appears, displaying information about your VAIO® computer and Microsoft® Windows® operating system.

### Locating the VAIO User Guide (Windows XP)



- 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.

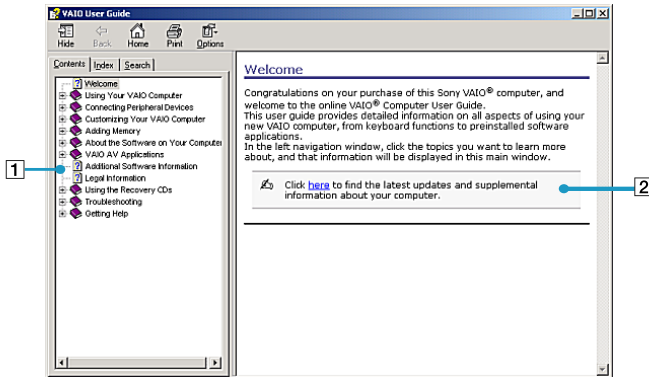
## VAIO® User Guide (Windows XP)



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 Sony Computing Support	List of your computer's hardware specifications and preinstalled software information.

### To open the user guide (Windows 2000)

- ❑ Click **Start** on the Windows® taskbar, point to **VAIO Help Center** and click **VAIO User Guide**. The **VAIO User Guide** appears.

**VAIO User Guide (Windows 2000)**

- |   |                              |  |
|---|------------------------------|--|
| 1 | User guide table of contents | List of computer help topics                 |
| 2 | Link to Electronic Flyer     | List of updates and supplemental information |

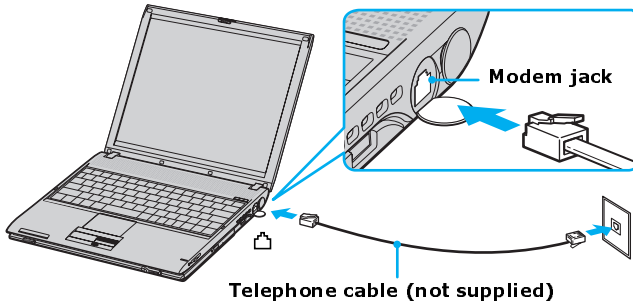
**Setting Up A Dial-Up Connection**


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 connect a telephone cable***

- 1 Locate the Modem jack on your computer.
- 2 Plug one end of the telephone cable into the Modem jack. Make sure it clicks into place.
- 3 Plug the other end into the wall jack.

### Connecting a 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.

**To set up a dial-up connection (Windows XP)**

- 1 Click **Start**, point to **All Programs, Accessories, Communications**, and then click **New Connection Wizard**. The **New Connection Wizard** appears.

**New Connection Wizard**

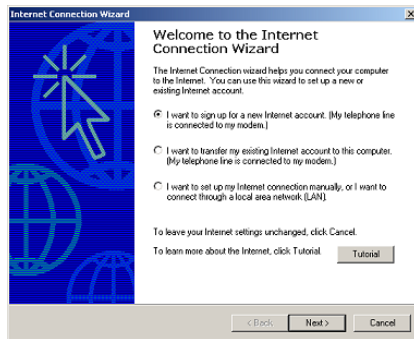


- 2 Click **Next**.
- 3 If it is not already selected, click **Connect to the Internet**.
- 4 Click **Next**.
- 5 Follow the on-screen instructions.

## **To set up a dial-up connection (Windows 2000)**

- 1 Click **Start**, point to **Programs, Accessories, Communications**, and then click **Internet Connection Wizard**. The **Internet Connection Wizard** window appears.

### **Internet Connection Wizard**



- 2 Follow the on-screen instructions to finish setting up your Internet connection.


## **Turning Off Your Computer**

Using the power switch 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 (Windows XP) Click **Turn Off Computer** at the bottom of the **Start** menu to display the **Turn off computer** window, and select **Turn Off**.  
(Windows 2000) Click **Shut Down** at the bottom of the **Start** menu to display the **Shut Down Windows** window, and select **Shut Down**.



 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 the VAIO® Computer User Guide for more information.

 If you are unable to turn off the computer, slide and hold the power switch 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**.

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\* 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\*.

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

# Troubleshooting Your Computer

*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>).*


## **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 on the bottom of the computer. For location information, see “Locating Controls and Ports.”
  - 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 VAO® 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.




(For Windows® 2000 only) The System Recovery CD/DVD restores your computer to its original state, so user data and applications will be lost.

### *What do I do if my computer stops responding?*

It is best to turn off your computer using the Turn Off Computer or Shut Down 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.

- ❑ (Windows® XP) Click **Start** on the Windows® taskbar, select **Turn Off Computer**, and then click **Turn Off**. (Windows® 2000) Click **Start** on the Windows® taskbar, and select **Shut Down**. When the **Shut Down Windows** window appears, make sure **Shut down** is selected, and click **OK**.
- ❑ If your computer does not turn off, press the **Ctrl+Alt+Delete** keys simultaneously. (Windows® XP) When the **Windows Task Manager** dialog box appears, click **Turn Off** from the **Shut Down** menu. (Windows® 2000) When the **Windows Security** dialog box appears, click **Shut Down**, and select **Shut Down** again from the **Shut Down Windows** window.
- ❑ 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. (Windows® XP) You can turn off the computer from the **Windows Task Manager**. (Windows® 2000) You can turn off the computer from the **Windows Security** dialog box.



 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?***

Your computer may become unstable if the operating mode is changed before the computer completely enters Standby or Hibernate.

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 or slide and hold the power switch 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.

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**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. To locate the User Guide, see “Locating Your VAIO Computer User Guide” on page 27.

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**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.

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**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/>.

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**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>.

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

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