













Personal Computer
VGN-X505ZP
Quick Start

SONY®

VAIO® Computer Quick Start

Shortcut 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+F5 Decreases the LCD screen brightness.
- Fn+F6 Increases the LCD screen 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.

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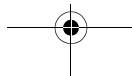
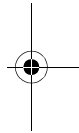
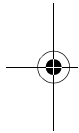
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Notice to Users

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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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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.
- ☐ 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.
- ☐ Do not use or store your computer in a location subject to: Heat sources, such as radiators or air ducts; direct sunlight; excessive dust; moisture or rain; mechanical vibration or shock; strong magnets or speakers that are not magnetically shielded; ambient temperature higher than 95°F (35°C) or less than 40°F (5°C); and high humidity.
- ☐ For safety and/or optimum performance, Sony recommends using genuine Sony rechargeable battery packs.
- ☐ Do not use Wireless LAN on hospital premises. Doing so may cause medical devices to malfunction.
- ☐ Do not use Wireless LAN on an aircraft, as doing so may cause the aircraft's equipment to malfunction. Make sure you remove the equipment from the PC card slot before bringing your computer onto an aircraft.
- ☐ If using Wireless LAN near a pacemaker, make sure it is at least 9 inches (22cm) away from the pacemaker.



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

Notice to Users



FCC ID: AK8PCWAC800S

Exposure to Radio Frequency Radiation:

The radiated output power of the Wireless LAN PC Card is far below the FCC radio frequency exposure limits. Nevertheless, the Wireless LAN PC Card shall be used in such a manner that the potential for human contact during normal operation is minimized.

Only use Wireless LAN indoors when using it with IEEE 802.11a (5 GHz).

Wireless LAN Security

Creating security settings for the Wireless LAN is extremely important. Sony assumes no responsibility for any security problems that may arise from the use of the Wireless LAN.

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.
- ☐ 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.
- ☐ Évitez d'utiliser ou de ranger votre ordinateur dans un endroit soumis à : des sources de chaleur telles que des radiateurs ou des bouches d'aération; la lumière directe du soleil; une poussière excessive; l'humidité ou la pluie; des

vibrations ou des chocs mécaniques; des aimants puissants ou des haut-parleurs dépourvus de blindage antimagnétique; une température ambiante supérieure à 35 °C (95°F) ou inférieure à 5 °C (40°F); et une forte humidité.

- ☐ Pour des raisons de sécurité et/ou de performance, Sony recommande l'utilisation de batteries rechargeables authentiques Sony.
- ☐ Ne pas utiliser le réseau local sans fil dans les hôpitaux car cela risquerait de provoquer le mauvais fonctionnement des appareils médicaux.
- ☐ Ne pas utiliser le réseau local sans fil dans un avion car cela risquerait de provoquer le mauvais fonctionnement des appareils de vol. Assurez-vous d'enlever l'équipement de la fente de la carte PC avant d'amener votre ordinateur dans un avion.
- ☐ Si vous utilisez le réseau local sans fil à proximité d'un stimulateur cardiaque, assurez-vous qu'il est au moins à 9 po (22 cm) du stimulateur cardiaque.



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



Exposition au rayonnement à fréquence radioélectrique:

La puissance de sortie rayonnée de la carte PC du réseau local sans fil est largement inférieure aux limites d'exposition aux fréquences radio définies par la FCC. Néanmoins, la carte PCMCIA de réseau local sans fil ne doit être utilisée que de manière à minimiser le potentiel d'exposition pour les humains en fonctionnement normal.

Utiliser le réseau local sans fil à l'intérieur uniquement lorsqu'il est utilisé avec IEEE 802.11a (5 GHz).

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Sécurité du réseau local sans fil

La création de paramètres de sécurité pour le réseau local sans fil est extrêmement importante. Sony n'est pas tenu responsable des problèmes de sécurité susceptibles de se produire lors de l'utilisation du réseau local sans fil.

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-351L
Responsible Party:	Sony Electronics Inc.
Address:	16450 W. Bernardo Dr. San Diego, CA 92127 USA
Telephone: (For FCC-related matters only.)	858-942-2230
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 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 Radio Frequency Exposure (United States)

Install and connect the Wireless LAN PC Card by following the descriptions in its Operating Instructions before using it.

This Wireless LAN PC Card generates and radiates radio frequency energy. SAR (Specific Absorption Rate) for this Wireless LAN PC Card was measured in accordance with FCC OET Bulletin 65, Supplement C and guidelines established in IEEE C95.1-1991. In order to comply with FCC Radio Frequency exposure limits, please maintain at least 5mm (0.2 in) spacing between the user and the antenna of this Wireless LAN PC Card while it is in use. This Wireless LAN PC Card can only be used with the laptop (notebook) which this Wireless PC Card is bundled together.

This device and its antenna(s) must not be co-located or operating with any other antenna or transmitter except Grant condition. Users are not permitted to modify this transmitter device. Any unauthorized

Notice to Users

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 AVEZ 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 Guidelines (Canada)

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 INFORMATION

(For customers in the United States) This product contains mercury. Disposal of this product may be regulated if sold in the United States. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance (<http://www.eiae.org>).

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.rbrbc.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.



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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.rbrc.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.

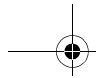
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

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.

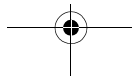
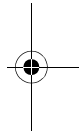
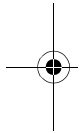
Ne pas utiliser des batteries au lithium ionisé qui sont endommagées ou qui fuient.

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.

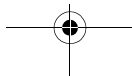
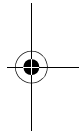
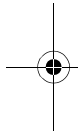


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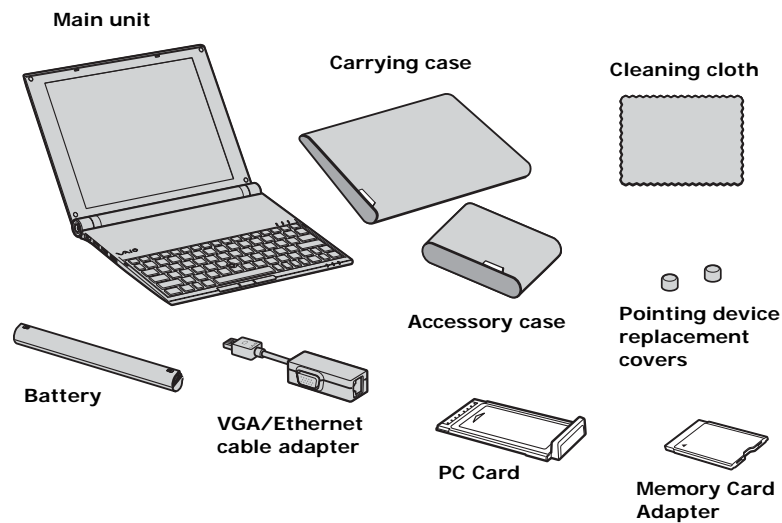
Setting Up

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

These hardware components are included.

Carton Contents



VAIO® Computer Quick Start

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 29 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, additional program CDs may be included with your computer.

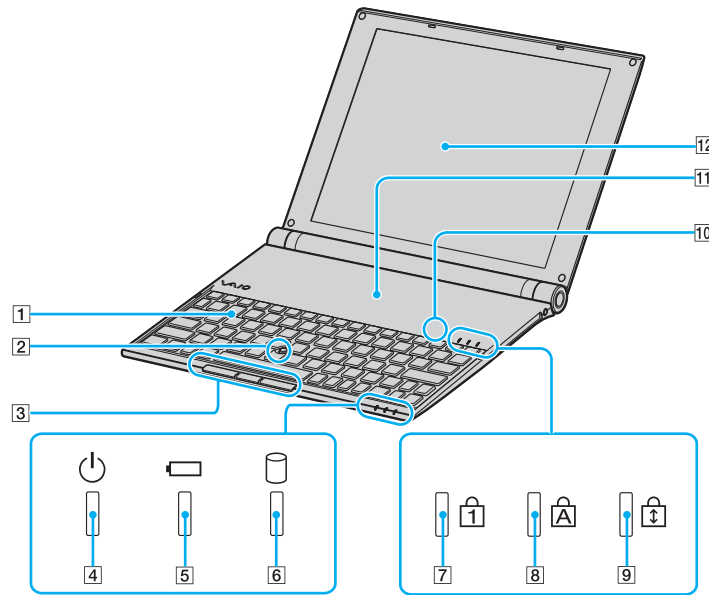
About System Recovery operations

Computers with the Microsoft® Windows® XP operating system feature a Hard Disk Drive recovery process that eliminates the need for Recovery CDs.

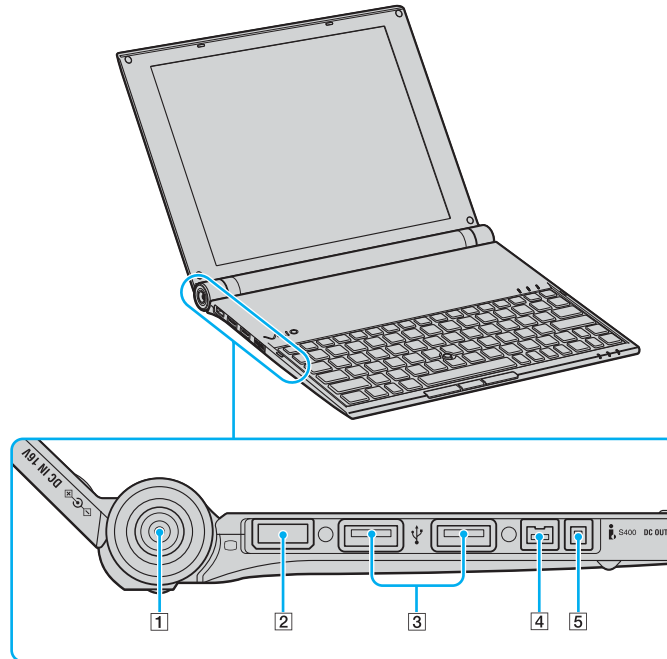
Locating Controls and Ports

The following illustrations show locations for controls and ports on your computer.

Front




1	Keyboard	7	Num lock indicator
2	Pointing device	8	Caps lock indicator
3	Left, center, and right buttons	9	Scroll lock indicator
4	Power indicator	10	Built-in speaker
5	Battery indicator	11	Upper panel
6	Hard disk drive indicator	12	Computer screen (LCD)

VAIO® Computer Quick Start
Left

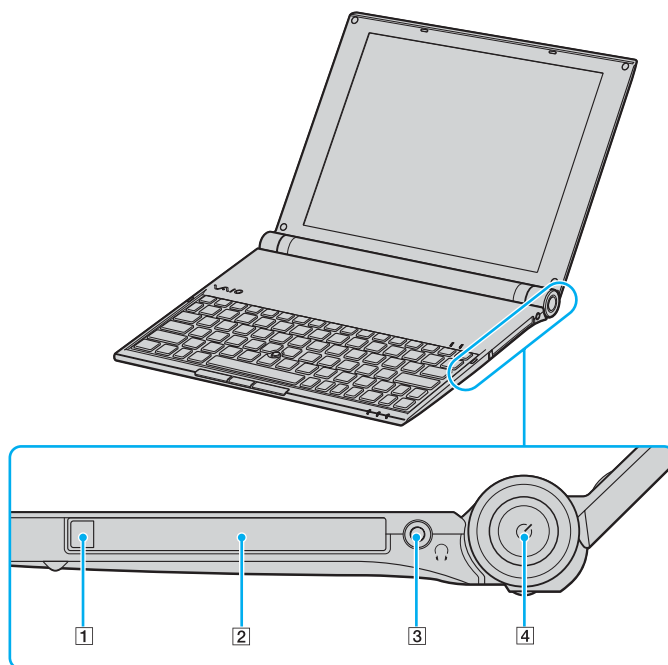
1	DC In port	4	i.LINK® (IEEE 1394) port
2	Multipurpose port for VGA/Ethernet adapter	5	DC Out port for i.LINK® device
3	USB 2.0 ports		



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” on page 29 for more information.

Locating Controls and Ports

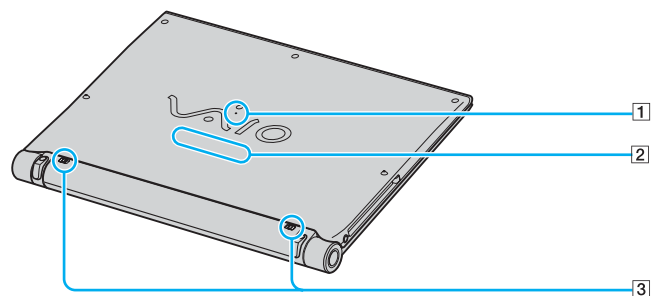
Right



1	PC Card eject button	3	Headphone jack
2	PC Card slot	4	Power switch







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Bottom



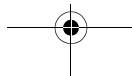
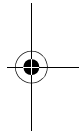
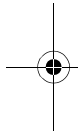
1	Reset button	3	Model number
2	Battery release latches (located on the battery itself)		

About the Indicator Lights

<i>Indicator</i>	<i>Function</i>
Power 	Turns on when the power to the computer is on, blinks in Standby mode, and turns off when the computer is in Hibernate mode or off.
Battery 	Turns on when the computer is using battery power, blinks when the battery is running out of power, double-blinks when the battery is charging.
Hard Disk 	Turns on when data is read from or written to the hard disk. Do not enter Standby mode or turn off the computer when this indicator is on.
Num Lock 	Press this key to activate the numeric keypad. Press it a second time to deactivate the numeric keypad. The numeric keypad is not active when the indicator is off.
Caps Lock 	Press this key to type letters in uppercase. Letters appear in lowercase if you press Shift while the indicator is on. Press the key a second time to turn off the indicator. Normal typing resumes when the Caps Lock indicator is off.
Scroll Lock 	Press this key to change how you scroll the display. Normal scrolling resumes when the Scroll Lock indicator is off. The Scroll Lock key functions differently depending on the program you are using and does not work with all programs.



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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 battery use. To find the user guide, see “Locating Your VAIO Computer User Guide” on page 29.

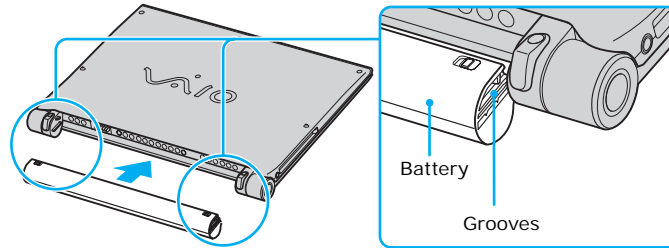
Inserting a battery

To insert a battery

- 1 Turn the computer over.
- 2 Align the grooves on the battery with the tabs on the back of the computer.

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Inserting a Battery



- 3 Slide the battery into the computer toward the connector pins until the battery clicks into place.
- 4 Connect the AC adapter to the computer. See “To connect the AC adapter” on page 23.

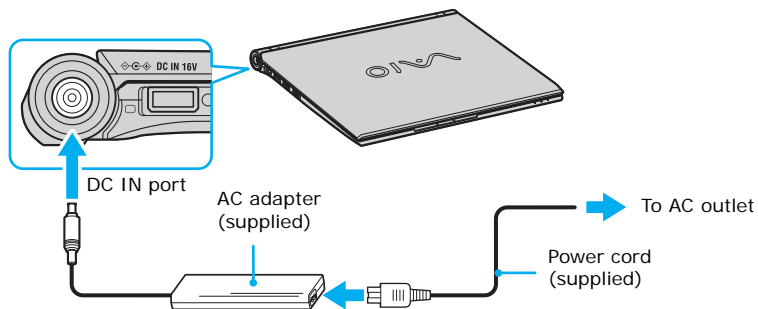
Once you connect the AC adapter to the computer and plug it into an AC outlet, the battery begins to charge whether the computer is on or off. The battery indicator shows the battery status, and blinks as the battery charges. See “Powering Your Computer” in your on-screen VAIO® Computer User Guide for more information. To locate the user guide, see “Locating Your VAIO Computer User Guide” on page 29.

Connecting the AC adapter


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.

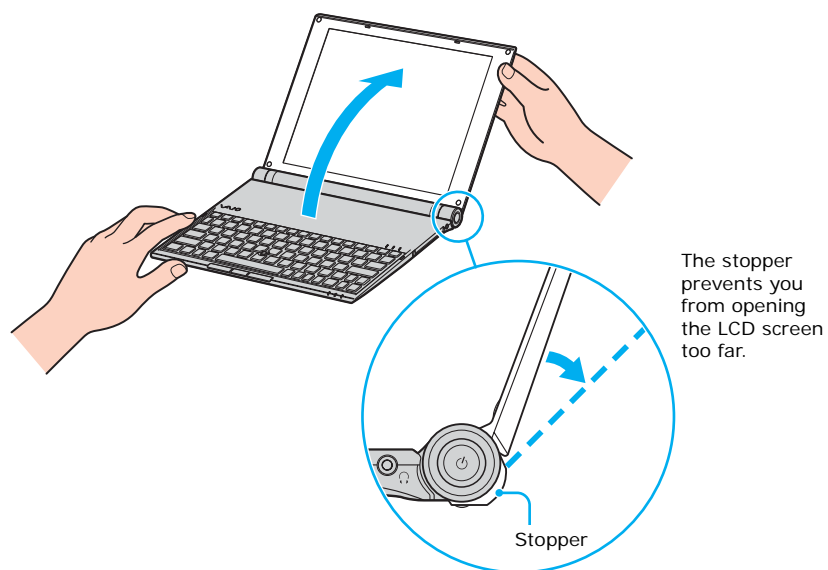
Turning on the computer

To turn on the computer

- 1 First make sure the computer is located on a stable work surface, such as a desk.
- 2 Lift the lid of the computer by holding the bottom of the computer firmly with one hand and lifting the LCD screen lid with the other hand.

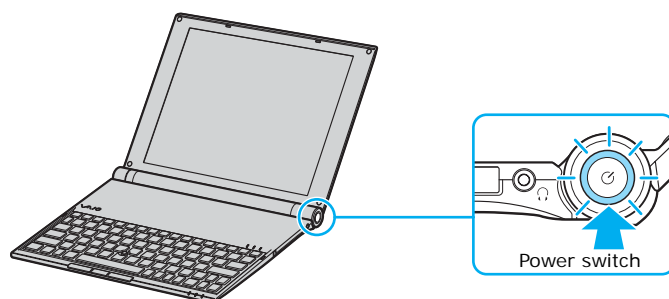
VAIO® Computer Quick Start

Opening the Computer





- 3 Press the power switch until the power indicator turns on.

Turning on the Computer



Turning On Your Computer

 If you press and hold the power switch, the computer turns off.

 If you press the power switch while the computer is turned on, the system will enter Hibernate, a power saving mode. For more information on power saving modes, refer to "Using power saving modes" in the VAIO® Computer User Guide.

- 4 If the computer screen is too dark or too bright, follow these steps to adjust the brightness:
- ☐ To increase brightness, press the **Fn** and **F5** keys, and then press the **Up Arrow** ↑ or the **Right Arrow** → key.
 - ☐ To decrease brightness, press the **Fn** and **F5** keys, and then press the **Down Arrow** ↓ or the **Left Arrow** ← key.

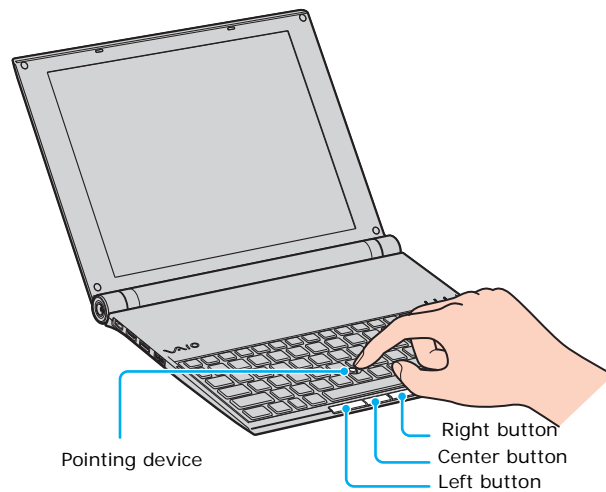
VAIO® Computer Quick Start

Using the Pointing Device

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

Describing the pointing device


Locating the Pointing Device



<i>Action</i>	<i>Description</i>
Point	Press the pointing device in any direction to move the on-screen pointer toward an on-screen item or object.
Click	Press the left button once.
Double-click	Press the left button twice.

Using the Pointing Device

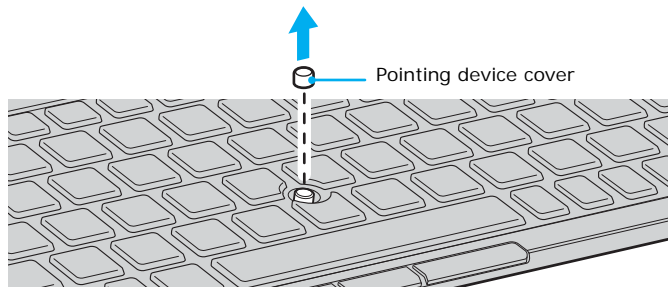
Action	Description
Right-click	Press the right button once. In many applications, this action displays a shortcut menu of context-sensitive choices.
Drag	Press the pointing device in a direction to place the pointer on an on-screen item or object. While holding the left button, press the pointing device 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 feature. Pressing the pointing device too hard may damage it.

Replacing the pointing device cover

Over time, the pointing device cover may wear out from extensive use. You can take off the pointing device cover and replace it with the spare cover supplied with your computer.


Replacing the Pointing Device Cover



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

VAIO® Computer Quick Start

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. You can also register your computer online at <http://www.sony.com/vaioregistration>.

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.
- ☐ Product Information Notification — By giving Sony your contact information, you will enable Sony to reach you regarding performance updates and upgrades.

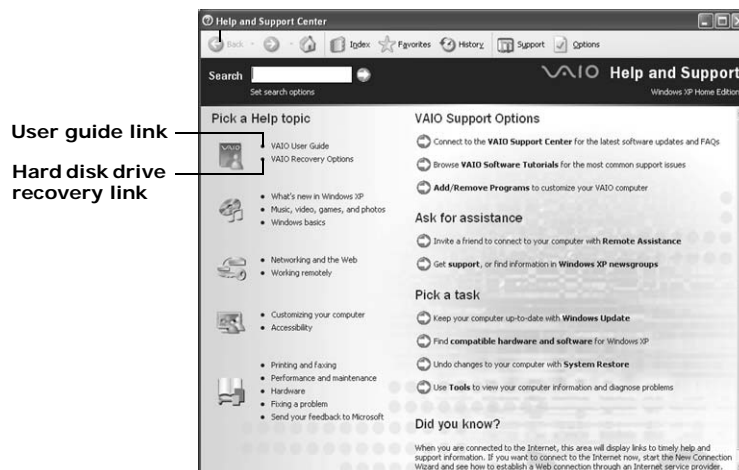
Locating Your VAIO Computer User Guide

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.

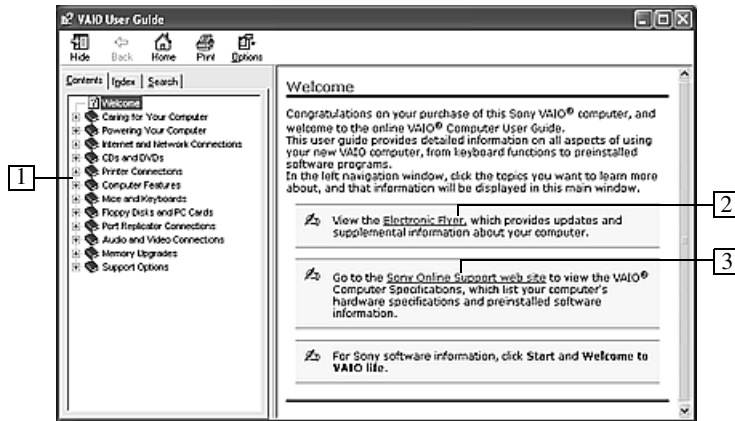
Locating the VAIO User Guide



- 2 Click **VAIO User Guide** in the **Pick a Help topic** column. The user guide appears.

VAIO® Computer Quick Start

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 about your computer
3	Link to Sony Online Support Web site	List of your computer's hardware specifications and preinstalled software information.

Internet Connections

This section describes the basic steps for setting up your dial-up or Ethernet connection to the Internet. The New Connection Wizard guides you through the process of connecting to the Internet and choosing an Internet service provider (ISP) or setting up an existing account. When you connect to the Internet, you can register your VAIO® computer, use online services, and gain access to Sony Computing Support.

Setting up an Ethernet Internet connection

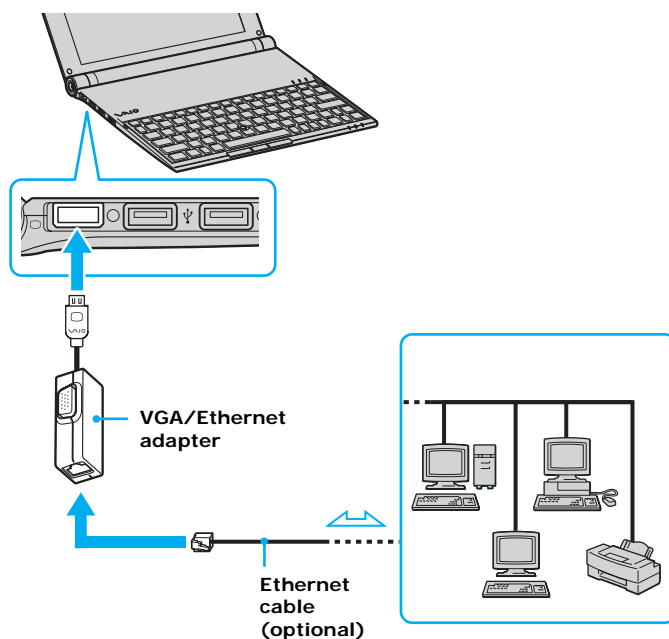
Your computer accommodates both 10BASE-T and 100BASE-TX Ethernet connections, with data transfer speeds of between 10 and 100 Mbps.


To connect an Ethernet cable

- 1 Locate the multipurpose port on your computer. See “Locating Controls and Ports” on page 15 for location information.
- 2 Plug the VGA/Ethernet adapter into the multipurpose port.

VAIO® Computer Quick Start

Connecting an Ethernet Cable



- 3 Plug one end of the Ethernet cable (not supplied) into the VGA/Ethernet adapter's Ethernet port , and the other end of the cable into the network connection.

To set up an Ethernet connection to the Internet

- 1 Connect your computer to a network connection.
- 2 Click **Start**, point to **All Programs, Accessories, Communications**, and click **New Connection Wizard**. The **New Connection Wizard** appears.

Turning Off Your Computer

New Connection Wizard



- 3 Click **Next**. If the **Location Information** dialog box appears, follow the on-screen instructions.
- 4 If it is not already selected, click to select **Connect to the Internet**, and click **Next**.
- 5 Follow the on-screen instructions.

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 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.

VAIO® Computer Quick Start

- 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, push and hold the power switch until the computer turns off. This operation may result in data loss.

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" on page 15.
 - 3** Reinsert the power cord and the battery.
 - 4** Turn on the computer.

VAIO® Computer Quick Start***What do I do if a BIOS error message 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 switch may cause loss of data.



- ☐ Remove the AC adapter and battery.

VAIO® Computer Quick Start

Why won't my computer enter Hibernate mode?

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

5 VAIO Update

When your computer is connected to the Internet, VAIO Update automatically notifies you when critical software and security information is posted on the support Web site. Click the VAIO Update notice to open the VAIO Support Web site and view the information. You can also right-click the **VAIO Update** icon  in the **Taskbar Notification** area and select **Go to VAIO Web Support** to open the support Web site.

For customer support information, go to:
<http://www.sony.com/pcsupport>



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VOC (Volatile Organic Compound)
free vegetable oil based ink.

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