

**SONY®**

***VAIO Slimtop™  
Computer User Guide***



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# Welcome

*Thank you for purchasing your Sony VAIO Slimtop™ computer! Your new computer is a superb blend of high technology and easy-to-use functionality. This User Guide contains information about the features of your new computer, configuring your system, and contact information for software vendors.*



# Locating Controls and Connectors

## Front Panel Overview

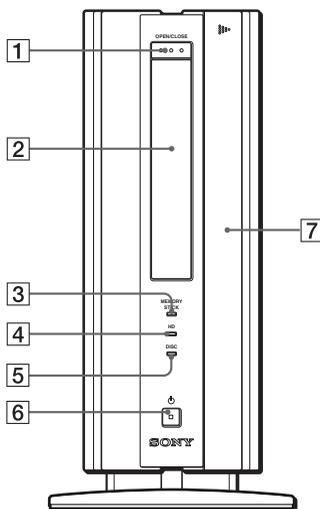
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The front panel of your VAIO Slimtop™ Computer enables access to the CD-RW/DVD combo drive, and the Memory Stick® and PC card slots. It also contains Universal Serial Bus (USB) and i.LINK® ports to connect compatible peripheral devices.

 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 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 an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

## Front Panel



---

**1** *Optical drive eject button*

Ejects a disc from the optical drive.

---

**2** *Optical drive*

See Specifications sheet for optical drive information.

---

**3** *Memory Stick® media access indicator light*

Lights in amber while reading and writing data from and to a Memory Stick media.

---

**4** *Hard disk drive access indicator light*

Lights in amber while reading and writing data from and to the hard disk.

---

**5** *Optical drive access indicator light*

Lights in amber while reading and writing data from and to an optical disc.

---

**6** *Power button and indicator light*

Turns the computer and display on and off. The indicator light is green while the power is on and amber when the computer is in Stand by mode.

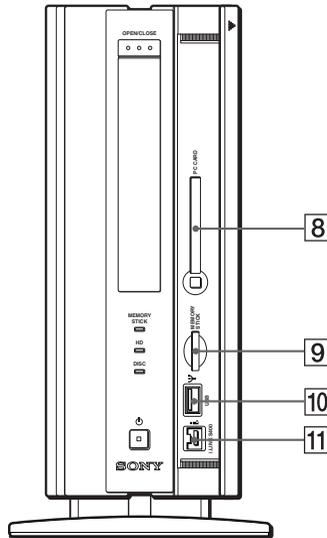
---

**7** *Front panel cover*

A sliding panel that covers the Memory Stick and PC card slots, and the USB and i.LINK ports.

---

## Front Panel (cont.)

**8** **PC Card slot**

A PC card (also called a PCMCIA card) can be installed in this slot. PC cards enable you to add functionality to your system.

**9** **MEMORY STICK media slot**

Insert a Sony Memory Stick media into this slot.

**10** **Universal Serial Bus (USB) port**

Connection for a USB device.

**11** **i.LINK® 4-pin port (IEEE1394)**

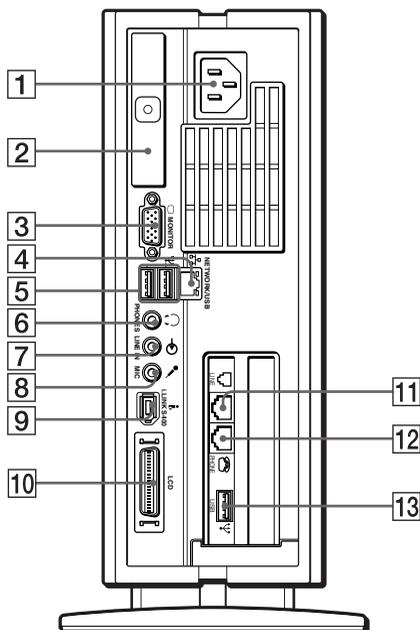
Connection for a compatible i.LINK digital device.

 For your convenience, your computer includes USB and i.LINK ports on both the front and the back panels. The 4-pin i.LINK port is located on the front panel and the 6-pin i.LINK port is located on the back.

## Back Panel Overview

The back panel of your computer contains the ports and jacks for supplied and optional peripheral equipment or accessories. The icons on the back panel help locate and identify the ports and jacks on your computer.

### Back Panel



 Your computer may not be supplied with all of the features listed, depending on the system configuration you purchased.

#### **1 AC Input port**

Connection for the supplied power cord.

#### **2 T-Lever**

A handle that is used to remove the unit's cover.

#### **3 Monitor port**

Connection for a standard CRT display.

- 
- 4**     **Ethernet port**  
 10Base-T/100Base-TX Fast Ethernet interface.  
 (The port marked with  (Network) is for LAN (Local Area Network) connections only.)
- 
- 5**      **Universal Serial Bus (USB) ports (2)**  
 Connections for USB devices. Two USB ports are located on the back panel and one USB port is located on the modem card (See No. 13).
- 
- 6**      **Headphones jack**  
 Connection for optional headphones or computer speakers.
- 
- 7**      **Line In jack**  
 Connection for an optional audio device.
- 
- 8**      **Microphone jack**  
 Connection for an optional microphone.
- 
- 9**      **i.LINK® 6-pin port (IEEE1394)**  
 Connection for a compatible digital device.
- 
- 10**    **LCD display (monitor) port**  
 Connection for an LCD display or Sony Pen Tablet.  
 Note: Do not connect any other display to this port.
- 
- 11**    **Modem line jack**  
 Connection for the supplied modem cable to the wall jack.
- 
- 12**    **Telephone jack**  
 Connection for the phone cable (optional) to the computer.
- 
- 13**     **Universal Serial Bus (USB) port**  
 Connection for a USB device.
- 

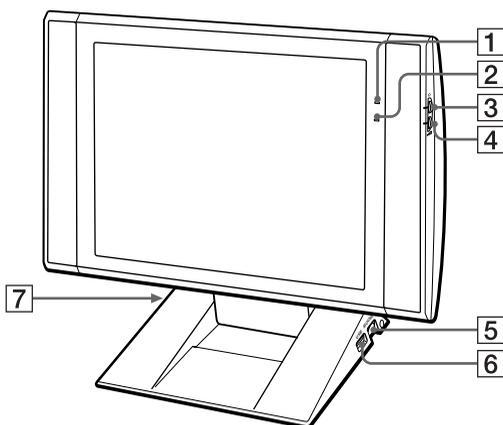
 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 connection. The i.LINK connection may vary, depending on the software applications, operating system, and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

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 an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

## Sony Pen Tablet Display

Your VAIO Slimtop™ Computer is supplied with a Pen Tablet display. This section describes the features and connection capabilities of your Sony Pen Tablet.

### *Sony Pen Tablet display (Shown in an upright position)*



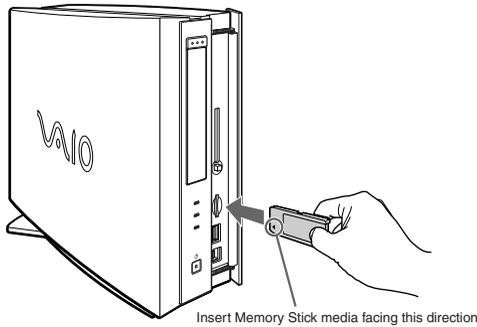
- 
- 1**  **Power indicator light**  
Light is green while the power is on. When the computer enters Stand by mode, this indicator light turns amber.
- 
- 2**  **Information LED light**  
Light turns red to alert the user to activities, such as the arrival of e-mail. See “Using the AutoAlert E-mail Notification System.”
- 
- 3**  **Brightness control**  
Adjusts the brightness of the screen.
- 
- 4**  **Volume control**  
Adjusts the volume of the integrated Harmon/Kardon® speakers built into the LCD display.
- 
- 5** **PS/2® mouse port**  
Connection for a mouse.
- 
- 6**  **Universal Serial Bus (USB) port**  
Connection for a USB device.
- 
- 7** **PS/2® keyboard port**  
Connection for the supplied VAIO® Convertible Keyboard.
-

# Additional System Capabilities

## To use the Memory Stick Media slot

Your VAIO Slimtop™ computer is designed to support the Sony Memory Stick® media. A Memory Stick media is a compact, portable, and versatile data storage device designed for exchanging and sharing digital data with similarly equipped products.

### Inserting the Memory Stick Media

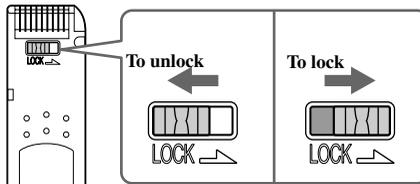


 Memory Stick media does not support AVI file playback. To play an AVI file stored on a Memory Stick media, copy the file to your hard disk drive.

### To protect data on a Memory Stick media

Memory Stick media contains a write-protect tab. The write-protect tab prevents accidental changes to information recorded on your Memory Stick media. When you slide the write-protect tab to the LOCK position, your Memory Stick media is write-protected. This means that you cannot delete, copy, or save information on the media. When you slide the tab to the un-LOCK position, you can write to or modify your Memory Stick media's contents.

### Locking the Memory Stick Media



## Using PC Cards

Your computer has a card bus PC card slot that supports Type I or Type II PC (PCMCIA) cards. You do not need to shut down your computer when inserting a PC card.

### To insert a PC card

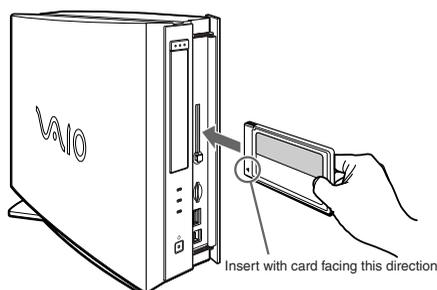
- 1 Slide front panel cover in the direction of arrow as shown, to open the front panel.

#### Opening the front panel



- 2 Insert the PC card into the PC card slot until it clicks into position.

#### Inserting a PC card



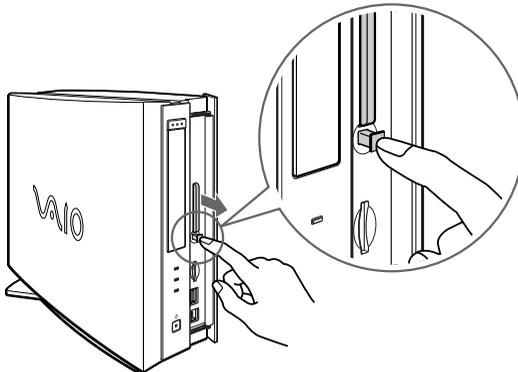
If the PC card does not insert easily, verify the card is not being inserted upside-down or backwards. Carefully reinsert the card into the slot, but do not force it in. See the instructions supplied with the PC card for details on proper use.

## Ejecting a PC card

 If you eject the PC card incorrectly, the system may not work correctly.

- 1 Double-click the Safely Remove Hardware icon in the Windows® task tray.
- 2 Click the name of the card that you want to eject, then click Stop. The Stop a Hardware device window appears.
- 3 Click OK.
- 4 When the message “Safe to Remove Hardware” appears, push the PC card Eject button on the front panel of the system unit. You may need to extend the Eject button out from the computer before you can eject the card.

### Ejecting a PC card



- 5 When the PC card ejects from the PC card slot, remove it by holding the edges and pulling it out carefully.



# To Use the Sony Pen Tablet and Accessories

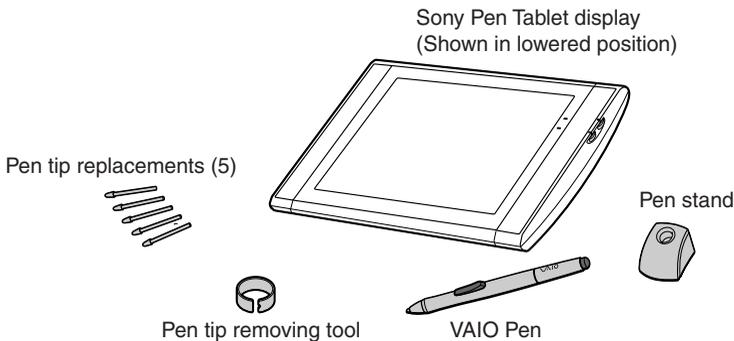
Your VAIO Slimtop™ Computer is supplied with a Sony Pen Tablet display, a VAIO® Pen, and accessories. This section provides information on using the Pen Tablet display and accessories.

## About the Pen Tablet Display and Accessories

The Sony Pen Tablet is a graphic interface that provides a pressure-sensitive work area. The VAIO Pen is a cordless input device that controls the movement of the cursor on the surface of the tablet screen. The pen stand, pen tip replacements, and pen tip removing tool help you protect and care for your VAIO Pen.

 Place the VAIO Pen in the supplied pen stand when it is not in use, to maintain the sensitivity of the pen tip and to avoid interference with other pointing devices, such as your mouse.

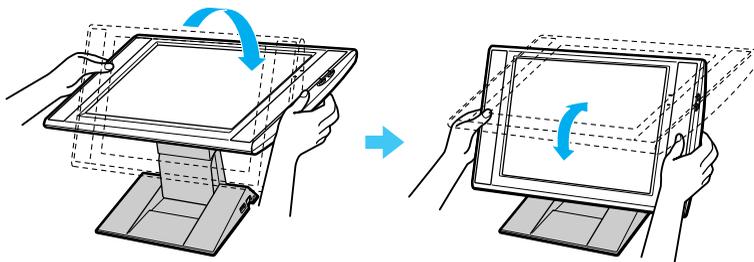
### Sony Pen Tablet and accessories



## To Adjust the Sony Pen Tablet Display

Adjust your Pen Tablet display by holding both sides of the display, and then pushing the display panel out and up.

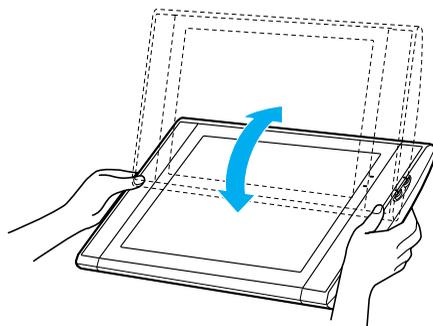
### Adjusting the viewing angle



### Setting the display height and viewing angle

Set the display height so that it covers the keyboard, and adjust the screen for a viewing angle that enables you to work with the tablet and VAIO pen comfortably.

### Adjusting viewing angle for working with the VAIO pen



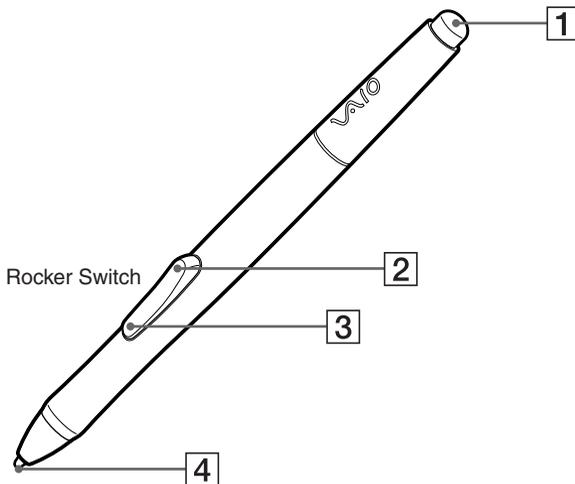
**The Sony Pen Tablet operates with radio-frequency energy. This may cause interference with radio and television reception, if the display is not installed and used correctly. If your tablet is interfering in this manner, move the equipment away from the radio or television.**

## Using the VAIO Pen

The VAIO® Pen controls the cursor movements on the Sony Pen Tablet screen. Hold the pen in the same manner as a pen or pencil, making sure that the rocker switch on the side is within reach of your thumb or forefinger, but cannot be accidentally pressed while drawing or writing.

The VAIO Pen is activated when it is held within close proximity to the pen tablet screen. You can position the cursor on the pen tablet screen, or use the rocker switch, without touching the pen tip to the tablet surface.

### VAIO Pen



- 1 Eraser**  
Delete unwanted portions of your work, depending on the application in use.
- 2 Upper switch position**  
The upper side of the rocker switch is set to deliver a double left click by default.
- 3 Lower switch position**  
The lower side of the rocker switch is set to deliver a right click by default.
- 4 Pen tip**  
You can use the pen tip to draw or write. Tapping the pen tip against the tablet screen delivers a click in the same manner as the left button on a mouse.

## To change the settings of your VAIO Pen

Your VAIO® Pen tip, eraser, and the upper/lower switch positions are programmable.

By default, the basic functions performed by the VAIO Pen are:

- ❑ **Pointing** — Place the tip of the pen anywhere on the pen tablet screen and the screen cursor will automatically correspond to that point.
- ❑ **Clicking** — Tap the pen tablet screen once with the tip of the pen, or press the pen tip against the screen with enough pressure to register a single click.
- ❑ **Double-clicking** — Quickly tap the pen tablet screen twice in the same place with the tip of the pen. You can also register a double click by pressing the upper switch position of the pen's rocker switch.
- ❑ **Dragging** — Point to and select an object by pressing the pen to the pen tablet screen. Slide the pen tip across the tablet to move the object to the desired location. To select text, point to the beginning of the text, and then drag the pen across the tablet until all of the desired text is highlighted.

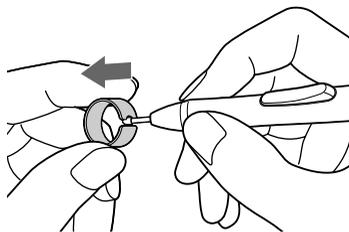
## To replace the Pen tip

Your VAIO Pen is supplied with pen tip replacements. The pen tip wears with normal use and must be replaced when the tip becomes too short or develops a flat point. Follow these steps to replace the pen tip:

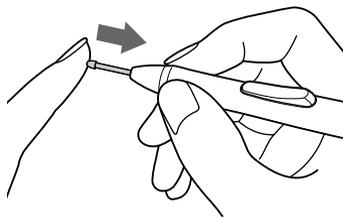
- 1 Clasp the worn pen tip with the pen tip removing tool and pull it straight out of the VAIO Pen barrel.
- 2 Slide the flat end of a new pen tip straight into the barrel, pushing the tip firmly until it stops.

### Removing the Pen tip

Step One



Step Two



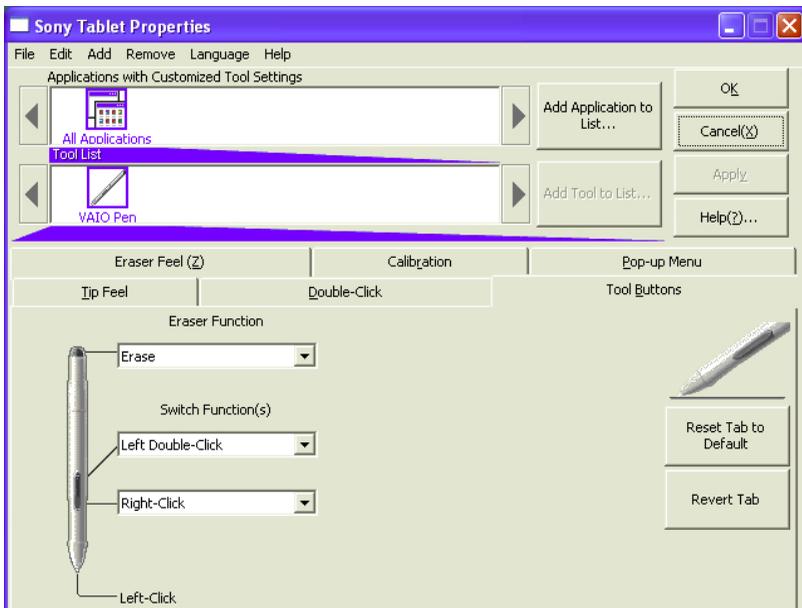
## Configuring the VAIO Pen Functions

The eraser, upper and lower switch positions can be programmed to perform different functions. See the Sony Pen Tablet online Help for more information on VAIO Pen settings.

### To change the pen tip, eraser and upper/lower switch functions

- 1 Click Start in the Windows® Taskbar, then click Control Panel.
- 2 Click Other Control Panel Options.
- 3 Click Sony Tablet. The Sony Tablet Properties window appears.
- 4 From the Tool Buttons tab, click the drop-down list for the pen function you wish to change. Select the desired function for the pen tip, eraser, or the upper/lower switch positions.

### Sony Tablet Properties main window



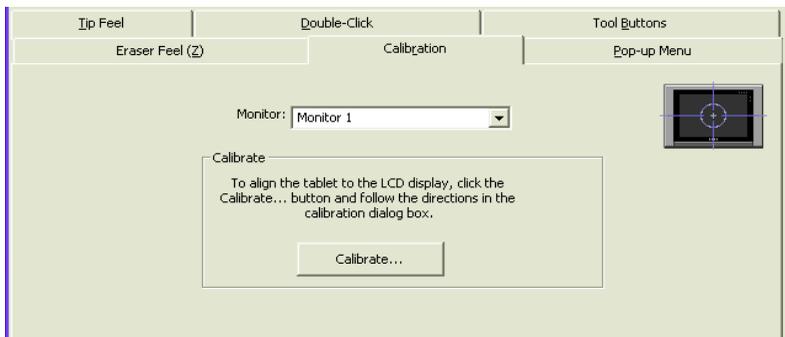
<i>Function</i>	<i>Description</i>
<b>Left-Click</b>	Single click of the left mouse button.
<b>Left Double-Click</b>	Double-click of the left mouse button.
<b>Right-Click</b>	Single click of the right mouse button.
<b>Middle-Click</b>	Clicking the center wheel button of a wheel mouse.
<b>Left-Click Lock</b>	Holds down the left mouse button.
<b>Keystroke</b>	Performs a programmed keystroke.
<b>Modifier</b>	Operates as the Shift, Alt, or Ctrl key (as programmed).
<b>Pressure Hold</b>	Keeps the pen tip pressure constant.
<b>Mode Toggle</b>	Switches between Pen (absolute coordinate) and Mouse modes.
<b>Pop-up Menu</b>	Displays a pop-up menu at the cursor position.
<b>Erase</b>	Operates as an eraser.
<b>Ignored</b>	No function is assigned.

 The Left-Click function is assigned by default to the pen tip. Before you change the pen tip setting to perform a different function, assign the Left-Click function to another switch. Sony suggests assigning the Left-Click function to the pen tip when using the pen with drawing applications.

### *To calibrate your pen to the tablet screen*

- 1 From the Sony Tablet Properties screen, click the Calibration tab.
- 2 Click the “Calibrate...” button. Follow the on-screen instructions to align your pen’s cursor positioning to the tablet screen coordinates.

#### *Calibration Tab*



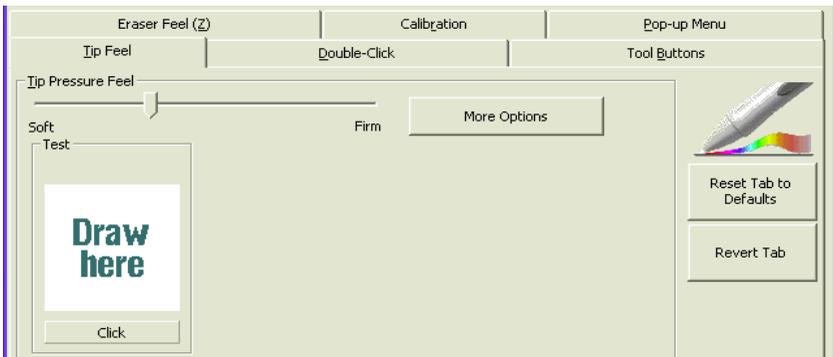
- 3 Click Apply. The on-screen cursor location is adjusted to correspond to the pen tip.

 You can reset your VAIO® Pen functions to the default settings by using the “Reset Tab to Default” button. You can revert to a previously saved setting by using the “Revert Tab.”

### *To adjust the pen tip pressure and feel*

- 1 From the Sony Tablet Properties screen, click the Tip Feel tab.
- 2 Test the pen tip feel by drawing lines in the “Draw here” Test area. The lines are drawn with the current pen pressure settings.
- 3 Check the pen’s clicking pressure by tapping the Click button in the Test area. If you tap more forcefully than the pen’s current settings, the Click button changes color.

#### *Tip Feel Tab*



- 4 Adjust the pen tip pressure feel by moving the measurement slider to a desired level. The pressure settings range from Soft, which requires light pressure, to Firm, which requires more forceful pressure.
- 5 Click More Options if you wish to make a more in-depth adjustment to the pen tip pressure feel.

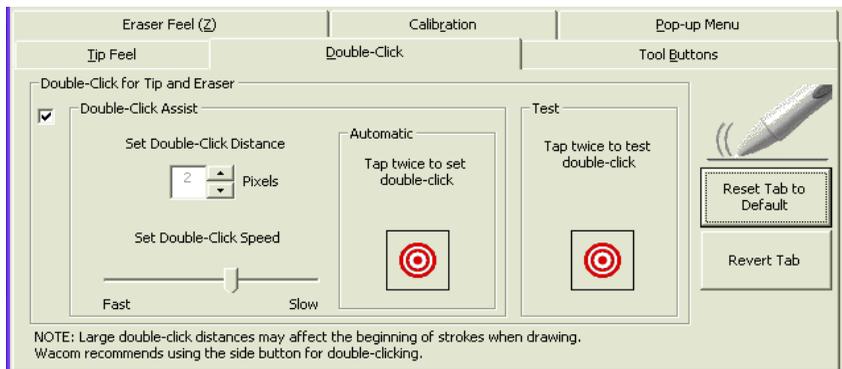
- 6 Click Apply. The new tip pressure feel settings are applied to the pen.

 You can reset your pen tip pressure feel to the default settings by using the “Reset Tab to Default” button. You can revert to previously saved pen tip pressure feel settings by using the “Revert Tab.”

### To adjust the pen’s double-click speed and distance

- 1 From the Sony Tablet Properties screen, click the Double-Click tab.
- 2 To allow the Sony Tablet software to automatically adjust the double-click speed and distance, place a check mark in the box located next to Double-Click Assist.

#### Double-Click Tab



 You can disable the Double-Click Assist for specific applications. When Double-Click Assist is disabled, you can only double-click by using the upper switch position. For more information about disabling the settings for specific applications, see “Customizing the pen settings for specific software applications.”

- 3 Automatically set both the double-click speed and distance by tapping twice on the  (target icon) in the “Automatic” area.
- 4 You can manually change “Set Double-Click Distance” to a distance between 1-25 pixels by clicking on the up/down arrows. You can also manually change “Set Double-Click Speed” by moving the measurement to a desired speed.

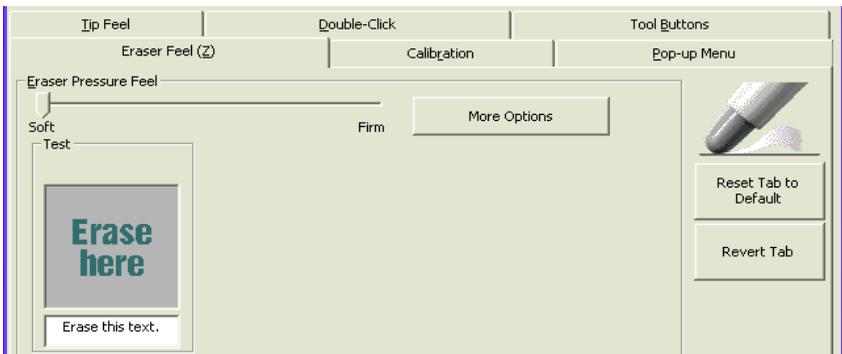
- 5 You may test your double-click speed and distance settings by tapping twice on  in the Test area. If your tapping matches the current double-click settings, the button icon changes () to indicate a successful test. If the icon does not change after several tests, review your double-click speed and distance settings.
- 6 Click Apply. The new double-click speed and distance settings are applied to the pen.

 You can reset your double-click speed and distance to the default settings by using the “Reset Tab to Default” button. You can revert to previously saved double-click settings by using the “Revert Tab.”

### To adjust the eraser pressure and feel

- 1 From the Sony Table Properties screen, click the Eraser Feel tab.
- 2 To check the current erase pressure feel, erase the phrase “Erase this text” in the Test area. The text disappears when you are erasing more forcefully than the current setting.
- 3 Test the eraser feel by erasing in the “Erase here” Test area. The erased area changes color when you are erasing more forcefully than the current setting.

### Eraser Feel Tab



- 4 Adjust the eraser pressure feel by moving the measurement slider to a desired position. The pressure settings range from Soft, which requires light pressure, to Firm, which requires more forceful pressure.

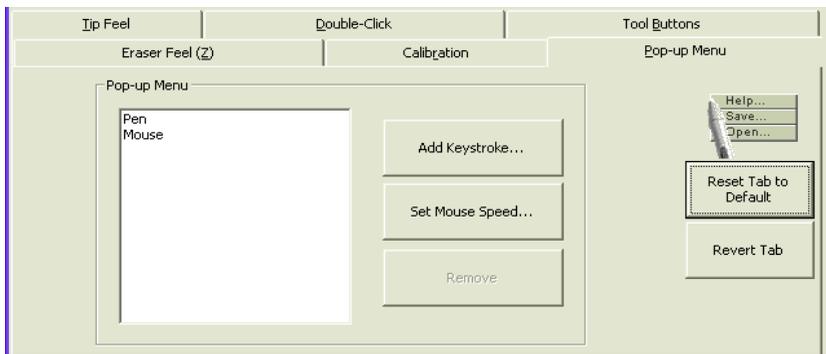
- 5 Click More Options if you wish to make a more in-depth adjustment to the eraser pressure feel.
- 6 Click Apply. The new eraser pressure feel settings are applied to the pen.

 You can reset your eraser pressure feel to the default settings by using the “Reset Tab to Default” button. You can revert to previously saved eraser pressure feel levels by using the “Revert Tab.”

## Configuring the Pop-up Menu

The Sony Tablet Properties window has a Pop-up Menu tab that can be used to configure on-screen pop-up menus. The Pop-up Menu function can be assigned to the VAIO® Pen. If you press a pen switch position that is assigned to the Pop-up Menu function, a small pop-up menu appears at the on-screen cursor position. You can execute a predetermined operation by selecting settings from the Pop-up Menu. For more information on configuring Pop-up Menus, see the Sony Tablet online Help.

### Pop-up Menu Tab



 You can reset the Pop-up Menu function to the default settings by using the “Reset Tab to Default” button. You can revert to previously saved Pop-up Menu settings by using the “Revert Tab.”

## ***Customizing the pen settings for specific software applications***

You can customize your pen settings for a specific software application. When you use different software, the associated pen settings are applied automatically, enabling you to take full advantage of each software application's features.

### ***To add an application to the custom settings list***

- 1 From the Sony Tablet Properties window, click "Add Application to List...". The "Add Application for Custom Settings" dialog box appears.
- 2 You may select a currently open application to add to the Application List, or click Browse to select any other application to add.
- 3 Click OK.

### ***To create custom settings for an application***

- 1 Select a software application from the "Applications with Customized Tool Settings" list.
- 2 Customize the pen settings for each software application according to the software's features. The settings apply only to the selected application.

 If you have pen settings that you want all software applications to share, select "All Other Apps" before changing the setting.

- 3 Click Apply.

### ***To remove an application from the custom settings list***

- 1 Click the Remove menu, then click "Custom Settings for Application."
- 2 Select the application(s) to be removed.
- 3 Click OK.



# VAIO Action Setup

*VAIO® Action Setup manages the settings for your computer's Programmable Power Keys (PPKs) and internal timer. For more information on changing these settings using VAIO Action Setup, see the VAIO Action Setup Help file.*

## ***Accessing the VAIO Action Setup Help file***

- 1 Click Start in the Windows® Taskbar and select All Programs.
- 2 Select VAIO Action Setup and click VAIO Action Setup Help.

## Using the Programmable Power Keys

Your VAIO® computer is equipped with technology that enables you to access your favorite applications quickly. Each Programmable Power Key (PPK) on your VAIO Convertible keyboard is programmed to launch a preset application with a single press of the key. If you wish, you can use VAIO Action Setup to change the PPK functions.

The Programmable Power Keys are located at the right side of your keyboard, and are numbered P1 through P4. The keys work even when the computer is turned off. Pressing one of the PPK buttons turns on the computer and launches the preset application.

The four Programmable Power Keys are preprogrammed to perform the following functions.

<i>Key</i>	<i>Function</i>
P1 (MAIL)	Starts Microsoft® Outlook® Express.
P2 (INTERNET)	Starts Microsoft® Internet Explorer for Windows XP.
P3 (PICTURE)	Starts PictureGear™.
P4 (HELP)	Starts Windows® XP Home Edition Help.

### To change the PPK settings

- 1 Click Start in the Windows® Taskbar, and select All Programs.
- 2 Select VAIO® Action Setup, then click VAIO Action Setup.

 You can also double-click  the VAIO Action Setup icon, located in the Windows taskbar, to launch VAIO Action Setup.

- 3 Click the PPK you want to change.
- 4 From the Select Application dialog box, click the option for the desired function. The corresponding applications appear in the list box on the right.
- 5 Select an application. Click Next.

 You can drag an application to place it in the list box.

- 6 The Confirmation Application Name window appears. Click Next.
- 7 You can type a new name and description, if desired. Click Finish.

## Setting the Internal Timer

---

The VAIO Action Setup software enables you to set your computer's internal timer to launch certain applications or documents automatically.

 Some software applications take longer than others to launch. It is advisable to confirm in advance the amount of time your selected application takes to start.

### *To select the timer's launch application*

- 1 Click Start in the Windows taskbar, and select All Programs.
- 2 Select VAIO Action Setup, then click VAIO Action Setup.

 You can also double-click  the VAIO Action Setup icon, located in the Windows taskbar, to launch VAIO Action Setup.

- 3 Select the Timer tab on the left side of the VAIO Action Setup window.
- 4 From the Time Setting tab, click the  (Time Schedule Setting icon) button.
- 5 Follow the Select Application wizard instructions.
- 6 Click Finish to activate your settings.

### *To set the timer start setting*

- 1 From the Time Setting tab, click Set.
- 2 Follow the Timer Setup wizard instructions.
- 3 Click Finish to activate your settings.

## Changing the Sony Software Window Design

You can select from different window designs for your Sony software and create your own personal computing environment.

### To change the window design

- 1 Click Start in the Windows taskbar and select the Control Panel.
- 2 Click Other Control Panel Options.
- 3 Click UI Design Selector.
- 4 Click << or >> and select the desired design.
- 5 Click Apply.
- 6 The “UI Design Selector” window design changes. The window design for your Sony software will match the “UI Design Selector” window.
- 7 To try another selection, click << or >>, then click Apply.
- 8 When you have made your selection, click OK. The UI Design Selector closes and the Sony software window design displays.

 You may only use this feature with compatible UI Design Selector software.

## Using the AutoAlert E-mail Notification System

The VAIO® Action Setup utility enables you to program your computer to notify you when new mail arrives in your e-mail mailbox. The  Information LED turns red to indicate that new e-mail has arrived. The AutoAlert™ E-mail Notification System uses Microsoft® Outlook® Express software as the default e-mail software. You need an Internet Service Provider (ISP) and an Internet connection to be set up before using this e-mail notification system.

As an alternative, you can program your AutoAlert E-mail Notification System to have the Information LED indicate when it has successfully completed the task of connecting to your ISP to receive e-mail. In this case, the Information LED light indicates that your e-mail account has been successfully accessed, regardless of whether or not you have e-mail. This feature is supported by the preconfigured e-mail applications listed in the VAIO Action Setup utility.

 The e-mail software you choose to use with the PPK must be set as your default e-mail software.

### AutoAlert E-mail Notification System Software Restrictions

If you use software that requires use of a phone line, there may be restrictions on how the AutoAlert e-mail notification system works.

- The computer may not be able to disconnect the phone line due to communication and server conditions.
- Monitor the status of the software when running the AutoAlert E-mail Notification System, and manually disconnect the phone line if you notice a malfunction.
- When using the timer to start the software, set the computer to shut down or enter system Stand by mode after a certain length of time. This permits the computer to disengage the phone line if the computer does not disconnect the line normally.

### ***If you are using the timer to download e-mail automatically***

If you set up the timer to retrieve your email, your settings may need adjusting to ensure proper connection and disconnection.

- Set up your e-mail software to reconnect automatically if it does not connect the first time.
- Set up your e-mail software to disconnect automatically when all mail has been downloaded.

### ***If you are using Microsoft® Outlook® Express***

When using the AutoAlert E-mail Notification System with Microsoft Outlook Express, select the “Dial automatically” setting in your Microsoft Outlook Express software. To adjust this setting:

- 1** Start Outlook Express.
- 2** Click Tools, and then select Options.  
The Options dialog box appears, with the General tab selected.
- 3** From the drop-down box under Send/Receive Messages, select “Connect even when working offline.”
- 4** Click OK.
- 5** Click Send/Receive.

A connection window appears. Select the desired ISP, and then click Connect Automatically.

# VAIO AV Applications

Your VAIO® computer is preconfigured with a collection of audio and video (AV) applications that make it easy to use advanced multimedia technology. This section describes the VAIO® AV applications.

 Your computer may not be supplied with all of the software applications listed, depending on the system configuration you purchased.

Your computer's visual presentation of the VAIO AV applications may not appear exactly as shown in this section, depending on the specific computer model you purchased.

## Overview of Preinstalled Software

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### DigitalPrint

*Sony Electronics Inc.*

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

### DVgate™

*Sony Electronics Inc.*

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

### Media Bar® DVD Player

*Sony Electronics Inc.*

Media Bar DVD Player is created especially for high-quality DVD playback. You can enjoy the superior digital video quality and the effects features. You can rewind or fast-forward scenes from the DVD Player monitor as you would with any ordinary DVD player, to easily find the scene you want to view. Typical DVD playback features are available, such as multiple angles, audio language tracks, and subtitles. Media Bar DVD Player seamlessly integrates a premium audio/visual experience with an easy-to-use software interface.

### **MovieShaker™**

*Sony Electronics Inc.*

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

### **PictureGear™**

*Sony Electronics Inc.*

This image management software displays images from your hard drive, a Sony digital still camera, or a Sony Mavica® camera. The images appear in a convenient light-table format, so that you can easily view the contents of an entire folder.

### **Smart Capture**

*Sony Electronics Inc.*

Smart Capture is a fun new way to send multimedia messages via e-mail. Smart Capture manages the i.LINK® connection between your notebook and a Sony Digital Handycam® Camcorder that supports the i.LINK interface. It allows you to capture compressed video or still images and save them to your hard disk drive or share via e-mail. A smart solution for computer, digital audio/video and network convergence.

### **SonicStage**

*Sony Electronics Inc.*

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

### **VisualFlow™**

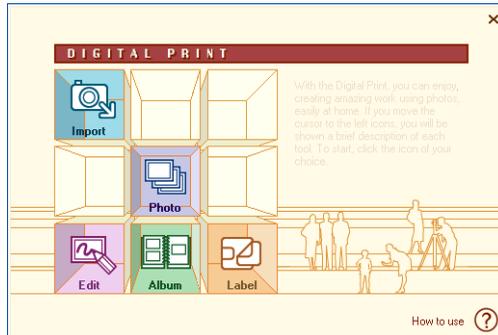
*Sony Electronics Inc.*

VisualFlow software is a state-of-the-art Sony multimedia browser designed specifically for Memory Stick® media. It displays any still picture, movie or sound file stored in a Memory Stick media in a visually pleasing, artistic manner. VisualFlow software not only plays a selected movie or sound file, but also enables playback of files by other applications like PictureGear™ software or Memory Stick Slideshow.

## DigitalPrint Software

DigitalPrint is designed to creatively manage your digital pictures. With its easy-to-use features, you can quickly load images from your digital camera or camcorder, print high-quality photos, and make personalized photo albums and labels to share with friends and family.

### DigitalPrint main browser window



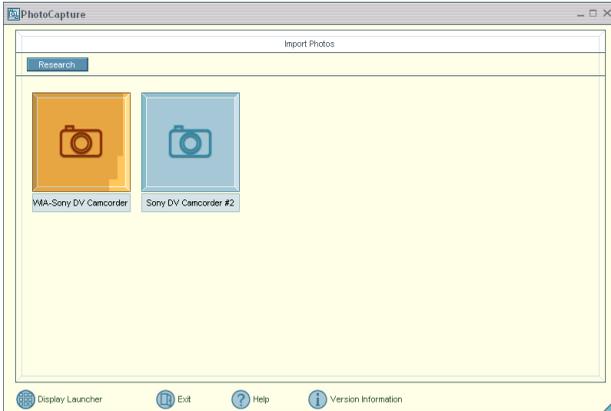
### Using PhotoCapture

Capture and import your digital pictures from your digital camera or camcorder, to your computer. You can select your favorite pictures and place them in handy folders for future use.

- 1 Click  (Import) to open the PhotoCapture window. Your connected digital camera, camcorder, or Memory Stick® media is indicated in the window.

 Properly connect your digital camera, camcorder, or insert your Memory Stick media in your computer.

## PhotoCapture window



- 2 Click the camera icon to open the Enter Photo Folder Name dialog box. You can enter a name for a new folder or click Select Photo Folder, to import your pictures to an existing folder. Click OK.

## Enter Photo Folder Name dialog box



- Click the Capture button to capture still images. You can preview a thumbnail version of your pictures in the selection view window.

### Capture Pictures from Video window



- Select the desired pictures and click the Get Pictures button. The PhotoCapture picture editor window appears.
- Click the View button to see an enlarged version of a selected picture. You can use   (Rotate) to change the position of a selected picture. Use the Delete button to eliminate any unwanted pictures.

### PhotoCapture editing window



## Using PhotoCollection

You can select and print your favorite digital pictures, using your computer and home printer.

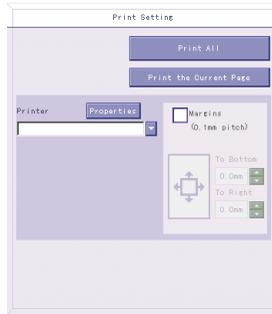
- 1 Click  (Photo) to open the PhotoCollection window. A list of available Folders is displayed on the left side of the window, with the folder contents displayed as thumbnail pictures on the right.

### PhotoCollection window



- 2 Select the desired folder. From the thumbnail view, click to select the pictures you want to print.
- 3 Click the Photo Print button at the top of the window. Select the number of prints you want to make, using the scroll arrows. Click OK.
- 4 Select the paper, based on the picture positioning desired. A layout preview is displayed on the left side of the window.
- 5 Use the configuration buttons and drop-down lists to select the printer and to set margins.

## Printer and Paper selection window



- Click Print All to begin printing all pages, or click “Print the selected page only” to print a specific page of photos.

## Using PhotoDecor

You can decorate your favorite photos with clip art, stamps, or your own drawing talent. Add, remove, and change your designs to create your own unique photo art.

- Click  (Edit) to open the PhotoDecor - New PhotoDecor window. A list of your available Folders is displayed on the left side of the window, with the folder contents displayed as thumbnail pictures on the right.

### PhotoDecor-New PhotoDecor window



- 2 Select the desired folder. From the thumbnail view, click to select the pictures you want to decorate. The PhotoDecor editing window appears.
- 3 Use the decoration features on the right side of the window by clicking on the desired decoration icon and then dragging the decoration onto your photo.
- 4 Click the Print button when your photo is ready to be printed. You can save your decorated pictures before printing. Name the new picture and click Save.

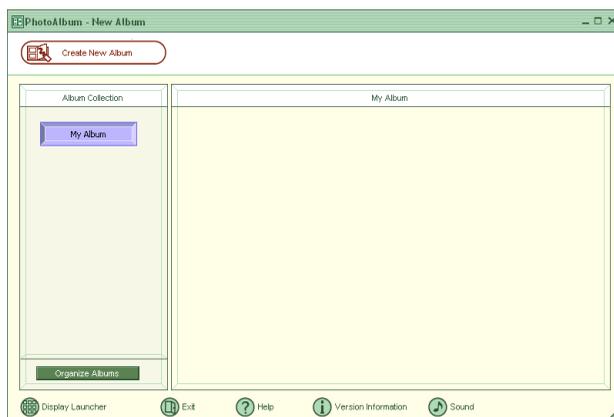
 The default location for your saved decorated pictures is in the Decorated Photos folder, which can be viewed from the PhotoDecor - New PhotoDecor window.

## Using PhotoAlbum

Capture your special photos in an organized photo album. You can share your custom-made photo albums with friends and family.

- 1 Click  (Album) to open the PhotoAlbum - New Album window.

### PhotoAlbum - New Album window



 If you wish to work on a previously created album, do not click Create New Album. Instead, select the desired album from the Album Collection view on the right side of the window.

- 2 Click Create New Album. The Select Photo window appears.
- 3 Select the photos you want to include in your album from the available folders displayed. Click List to select individual pictures from each folder. The Select Design window appears.
- 4 Select a design template for your album. Use the scroll bar to see all available designs. When you have selected the design, the Select Layout window appears.
- 5 Select a page layout for your album. A preview of your selected design and page layout is displayed. Scroll through the album, using the book icons at the bottom of the window.
- 6 Click the Page List button to edit your album. Customize your album by adding more pictures, decorations, comments, or deleting pages. Click Print.
- 7 Select the album type and click Print.

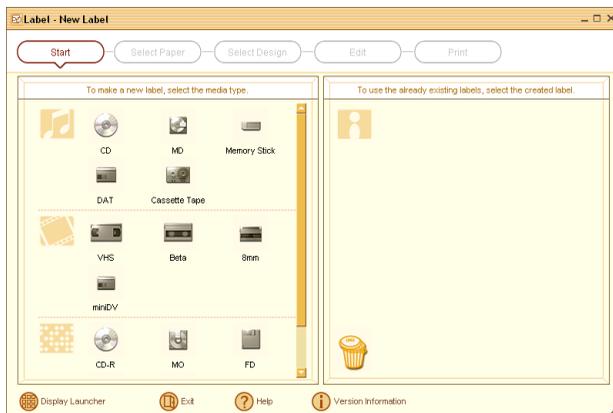
 For information on stitching your album, click Stitch Album. See the online Help file for more details.

## Using LabelMaker

Use LabelMaker to design original labels to personalize your media, such as Memory Stick® media, CDs, or video cassettes.

- 1 Click  (Label) to open the Label - New Label window.

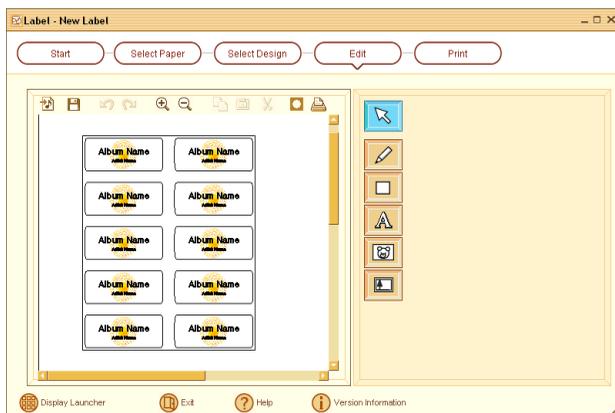
### Label - New Label window



- 2 Click to select a media type. The Select Paper window appears.
- 3 Select the media's paper layout. The Select Design window appears.
- 4 Select a design template. Add your decorations or customize the design template, as desired.

 A new window appears, enabling you to list the contents of your audio or video media. You can create a song or video list, depending on the type of media label being created.

### Design Edit window



- 5 Click Print to complete the label making process. Use the configuration buttons and drop-down lists to select the printer and to set margins.

 See the online Help for detailed information on using DigitalPrint software.

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## DVgate Software

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### *Connecting a digital video camcorder*

Turn off the power to your digital video camcorder before connecting it to your computer. After connecting the device, turn its power back on. You do not need to turn off the computer when connecting the camcorder.

### *To use DVgate™ software with a digital video camcorder*

- ❑ Do not use DVgate™ software when the connected digital video device is in Timer Recording mode, as this may produce a malfunction in the device.
- ❑ Video captures larger than 2 GB (9 minutes and 30 seconds) are automatically continued in a second file.
- ❑ You can record stereo audio (stereo 1) while capturing video, or you can add audio on the stereo 2 track after capturing the video data.
- ❑ You cannot use different audio modes on the same tape. Perform a separate capture for each audio mode you wish to use.
- ❑ DVgate software does not support hard disk compression. Do not use disk compression if you are planning to work with DVgate software.
- ❑ Title data is saved in the flash memory of a digital video camera and is not transferred to tape by DVgate software.
- ❑ Disable your screen saver program to avoid interruption during your capture sessions.
- ❑ The drop frame compensation feature does not provide accurate compensation adjustments for tapes recorded in LP mode.
- ❑ The information displayed by the capture progress indicator may not be accurate for tapes that are recorded using a mixture of both SP and LP modes.
- ❑ Keep the video head of your digital video device properly cleaned. Anomalies that you see in captured data may be due to dust or other particles on the video head.
- ❑ The last frame captured is one frame before your selected [OUT] point. The frame you see immediately after clicking the [OUT] button is not captured.

### **To use DVgate software to record AVI files to tape**

- ❑ Do not use DVgate™ software when the connected digital video device is in Timer Recording mode, as this could produce a malfunction in the device.

 You can record only AVI files. MPEG files cannot be recorded.

- ❑ Avoid recording problems, such as a single frame appearing in multiple frames, by closing other applications on your system while recording.
- ❑ You cannot use different audio modes on the same tape. If you have AVI files that use different audio modes, they cannot be recorded at the same time, but must be recorded separately.
- ❑ DVgate software features do not support working with AVI files that are smaller than 4 MB.
- ❑ DVgate software does not support hard disk compression.
- ❑ Video and audio data are not available while you are recording, in order to maximize recording capabilities.
- ❑ If DVgate software indicates that frames are dropped, try closing all open applications, or defragmenting your hard drive.

### **Installing the DVgate plug-in for Adobe Premiere software**

Your VAIO® computer may not have Adobe® Premiere® software preinstalled. If you subsequently purchase and install this software on your computer, you must install a plug-in to ensure compatibility with the DVgate software.

#### **To install the DVgate plug-in**

Install the plug-in for Adobe Premiere 6.0 by following these steps:

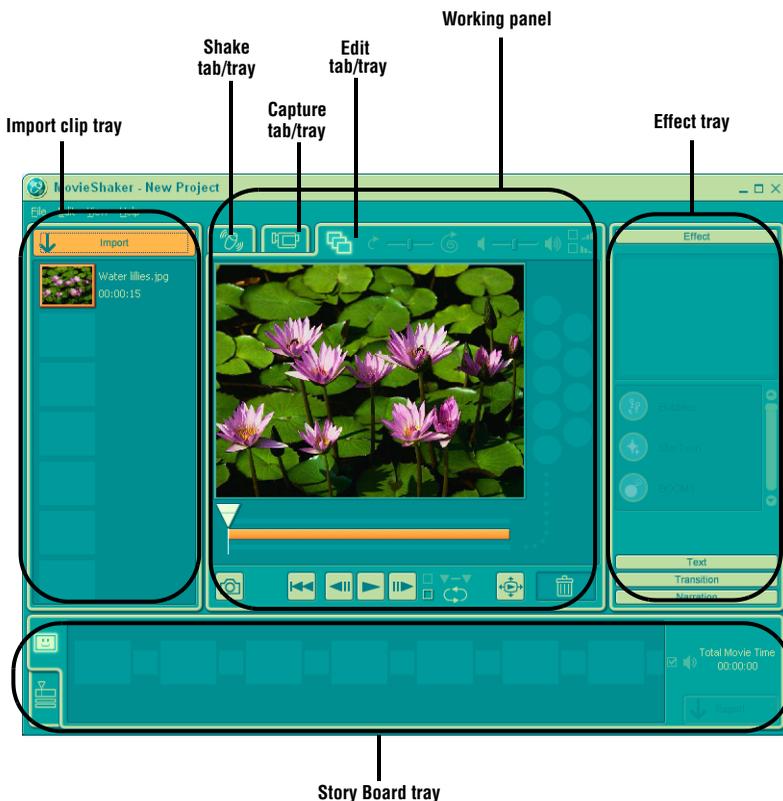
- 1 Click Start in the Windows® taskbar and then click Run. The Run window appears.
- 2 Click Browse and navigate to your C: drive, using the Look in: drop-down list.
- 3 Double-click Program Files, double-click Sony, and then double-click DVgate.

- 4 Double-click Premiere Plug-in, and then double-click to open the 6.0 folder.
- 5 Double-click Setup.exe and the Run window appears. Click OK.
- 6 From the installation wizard, follow the on-screen instructions to install the plug-in.

## MovieShaker Software

MovieShaker™ software can be used to create fun and innovative movies without any previous knowledge of film editing. In a few simple steps, video files can be made from still images with added special effects and music files. Save your personal video creation in a format that is compatible with most computers.

### MovieShaker main window



### Creating movies with MovieShaker software

Using your imported clips, you can create a short movie using the Shake feature. The Shake feature randomly selects clips from the Story Board tray, to create a 30-second movie. After you “Shake” your video, you can edit it by adding effects and text, adjusting the color and contrast, and modifying the length.

### To import images and sound clips

- 1 Click **Import**. The Import file browser window appears.
- 2 Find the clip(s) you want to add.
- 3 Click to select the clip(s). The file(s) are added to the Import clip tray.

 You can delete a clip from the Import clip tray by dragging the clip's icon to the trash icon located on the Edit tray of the working panel.



**Importing image or sound files that are over 30 seconds in length, may cause the MovieShaker software to stop responding.**

### To use the Shake feature

- 1 Click the Shake tab. The Shake panel appears
- 2 Select a mood by clicking a face in the Shake pattern tray.

### Shake tray window



- 3 Click the Shake! button. A 30-second movie is automatically generated and saved to the Story Board tray.

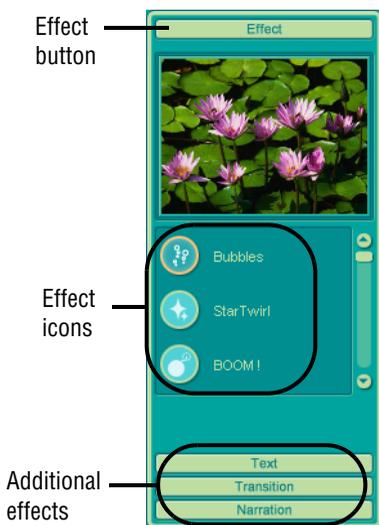
- 4 Add text to your new movie by clicking on the Input button.
- 5 To preview, rewind, or fast forward your movie, use the Playback buttons.

 Scenes created with the Shake feature begin with a black screen in the Shake tray window. Your scenes appear during movie playback.

### *To add effects to a scene or a clip*

- 1 Double-click or drag the desired clip or scene to move it to the Story Board tray.
- 2 Click the Effect button on the Effect tray.

### *Effect tray window (Effect button selected)*



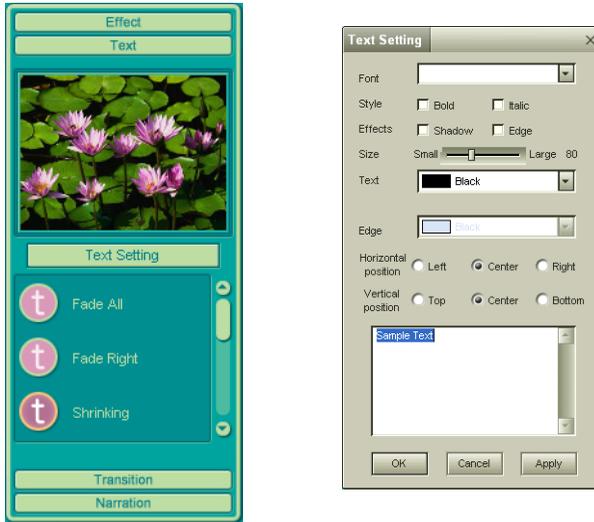
- 3 Drag the Effect icon you want to add from the Effect tray to the Effect palette on the working panel.
- 4 Click the Play button on the Edit tray to preview the effect. The added effect previews on the clip displayed in the Effect tray window.

 You can eliminate an effect by dragging it from the Effect palette to the trash icon on the working panel. See the online Help file for more information on adjusting effect duration and replaying clips and scenes.

### To add text effects to a scene or clip

- 1 Double-click or drag the clip or scene to move it to the Story Board tray.
- 2 Click the Text button on the Editing tray.

### Effects Tray (Text button selected)



- 3 Click the Text Setting button to create customized text. The Text Setting dialog box appears, enabling you select the desired font, color, and positioning for your text.
- 4 Drag the Text effect icon you want to add from the Effect tray to the Effect palette on the working panel.
- 5 Click the Play button on the Edit tray to preview the text effect. The clip displays the text effect in the Effect tray window.

 From the working panel, you can eliminate a text effect by dragging it from the Effect palette to the trash icon. See the online Help file for more information on adjusting Text effects.

### To save a movie

- 1 Verify that the movie or clips you want to save are located on the Story Board tray.
- 2 Click the Export button on the working panel.
- 3 Select the format in which you want the movie to be saved.

 You can click on each export format to view its description and use.

### Export window



- 4 Click Next.
- 5 Locate the folder to which you want the file saved and name your file before saving.
- 6 Click Save.

 The time required to export your movie file may vary, depending on the format selected. See the online Help file for more information on exporting a movie.

## Using ImageStation online service with MovieShaker software

ImageStation<sup>SM</sup> is an online service that allows you to store your pictures and movies on the Internet to share with family and friends. ImageStation requires an Internet connection and registration for the Web-based service. You must be connected to the Internet before uploading your pictures or movies using MovieShaker and ImageStation applications.

### To upload MovieShaker files

- 1 Locate the clips or video files that you want to upload to the ImageStation service, and import them to the Import Clip tray.
- 2 Drag and drop the desired clips or video files to the Story Board Tray.
- 3 Click the Export button. The Export window appears.
- 4 Select “MPEG1 (ImageStation)” and click Next.

 The MovieShaker application creates a temporary file to store your images prior to uploading to ImageStation. This file is deleted after the upload process.

- 5 If you are a registered member, provide your login name and password.  
For first-time users, click “Register to ImageStation.” The ImageStation registration wizard appears and guides you through the initial registration process. Follow the on-screen instructions.

### ImageStation Login window



ImageStation Login

Welcome to ImageStation!

User Name  Login

Password  Cancel

Save password.

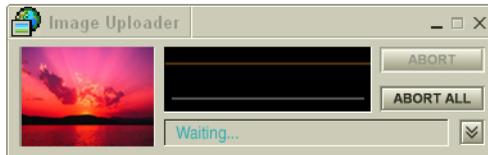
In the future do not show this screen.

If you are using ImageStation for the first time, click [Register to ImageStation].

Register to ImageStation

- When the ImageStation application on your computer connects with ImageStation online, your files are uploaded to the Web site. The Image Uploader window appears and displays the Internet connection and upload status.

### *Image Uploader window*



- Go to <http://www.imagestation.com> to view your uploaded pictures or movies. Follow the on-screen instructions to access your ImageStation account.

 The ImageStation Web site may ask you to complete a full login again, if your current online session is not active.

## PictureGear Software

PictureGear™ software is a digital image management application that allows you to view all the images stored in any directory on your computer. Thumbnail views provide quick reminders of your pictures. Use PictureGear software to brighten, add contrast, enhance, resize, crop, and color-correct your pictures. Create animations, screen savers, wallpaper, still pictures from MPEG, and HTML photo albums.

### PictureGear main window



### Managing your pictures

Use the Collection feature to manage your pictures.

- 1 Click the Folder tab in the main window and browse to locate your pictures.
- 2 Select the pictures you want to include in your collection.
- 3 From the Collection menu, click Create New Collection.
- 4 Enter a name for your collection, then click OK.

## Creating a photo album

- 1 Click the Folder tab in the main window and browse to locate your pictures.
- 2 Select the pictures you want to include in your album.

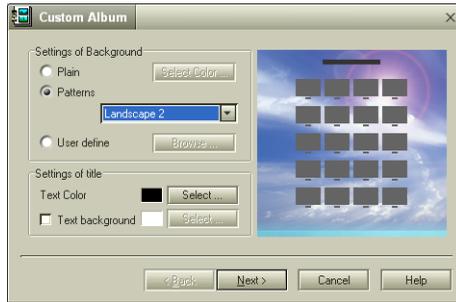
### PictureGear Album Maker dialog box



- 3 From the Utilities menu, select Album Maker.
- 4 Choose a Design template for your album.
- 5 Click the “Make soon” button to create your album immediately, using the PictureGear default settings.

- Click the “Customize the design” button to add pictures, frames, text, and effects.

### Custom Album dialog box



-  If you select the Custom Album process, the final album is created when you click the Finish button in the last dialog box.

### Custom album “Completed” dialog box



- Click Save to designate the location where you want to save your album.
- Enter a name for the target folder and click OK.
- The PictureGear™ Custom Album feature creates the new folder in the designated location.

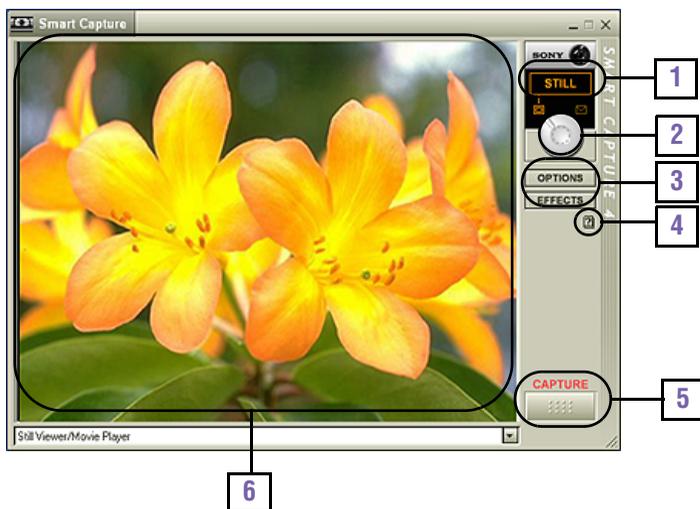
## Smart Capture Software

Smart Capture is a Sony application that manages the i.LINK® connection between your computer and a compatible i.LINK digital camera or camcorder. You can capture and enhance video or still images to share with your family and friends over the Internet or through e-mail.

 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 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 an optical disc drive or hard disk drive, confirm their operating system compatibility and required operating conditions.

### Smart Capture main window



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<b>1 Mode indicator</b> Displays the current mode (Still or Net Movie).	<b>4 Help button</b> Connects you directly to the online Smart Capture Help.
<b>2 Mode dial</b> Switches Smart Capture from Still mode to Net Movie mode with a single click of your mouse.	<b>5 Capture button</b> Captures your individual still images in the same manner as a camera. You can select different characteristics for the Capture button when capturing a Net Movie.
<b>3 Options button</b> Displays the configuration options available for either Still or Net Movie mode. <b>Effects button</b> Displays the special effects that you can apply to your pictures or video clips.	<b>6 Image window</b> Displays the still or video image from your digital camera or camcorder.

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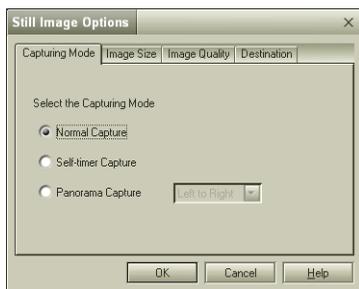
The Smart Capture main window opens with a blue screen image, indicating that there is no data input from a digital camera or camcorder. When you connect your digital camera or camcorder to your system with an i.LINK cable and turn it on, an image appears in the main window. Some cameras and camcorders need to have a recording media inserted before an image can be displayed in the Smart Capture window. Consult the manual supplied with your digital camera or camcorder for more information.

### **Using Still Mode**

- 1** Click Start in the Windows® taskbar and click All Programs.
- 2** Select Smart Capture and then click Smart Capture. The Smart Capture main window appears.
- 3** Connect your compatible i.LINK digital camera or camcorder to your computer with an i.LINK cable (optional). An image appears in the Smart Capture main window.
- 4** Check that the Mode dial is set to Still. Click the Mode dial to switch between Still mode and Net Movie mode.

- 5 Click the Options button to view the available options for your still image capture. The Still Image Options window appears.

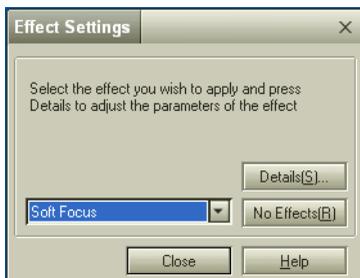
### Still Image Options window



The Still Image Options window has four tabs:

- ❑ **Capturing Mode** — You can choose between Normal, Self-timer, or Panorama Capture modes.
  - ❑ **Image Size** — Select the image size, horizontal by vertical, in pixels.
  - ❑ **Image Quality** — Set the quality of your pictures as they are being saved by selecting Fine, Standard, or Economy image quality.
  - ❑ **Destination** — Select a file destination for your pictures.
- 6 Click the Effects button to select a special image effect. The Effect Settings window appears. Use the drop-down list to view and customize the available effects.

### Effect Settings window



 You can use a different special effect for each picture, or you can remove all special effects by clicking the No Effects button.

### To capture a picture in Still mode

- 1 Use your digital camera or camcorder to locate the image you want to capture. When you see the desired image in the Smart Capture window, click the Capture button. The Still Viewer window appears. You can capture one picture or several pictures at a time.

### Still Viewer window



- 2 Click the arrows or drag the scroll bar to view the pictures. As each image is captured, it appears in the Still Viewer window with a text balloon to add your comments and an identifying number in the viewer queue.

### To manage pictures in Still mode

From the Still Viewer window, you can perform various functions using the task buttons:

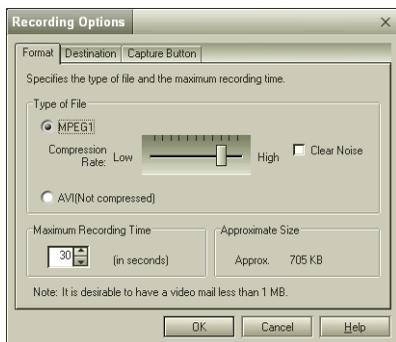
- ❑ **Delete** — Discard any or all of your still images by clicking the Delete button. Select a single image or all and the image(s) is “torn” and removed from the Still Viewer window.
- ❑ **Upload** — Send your still images online to the ImageStation Web site to share with your family and friends. The ImageStation service stores your still images online when you become a registered user. See “Using ImageStation with Smart Capture software.”
- ❑ **Mail** — E-mail your still images to your family and friends. Click the Mail button and your e-mail application launches with a new message window containing the still image as an attachment.
- ❑ **Save** — Click the Save button to save your still image in a variety of formats, to a location of your choice.

 You must be connected to the Internet before attempting to upload or e-mail your still images or videos.

## Using Net Movie Mode

- 1 From the Start button in the Windows taskbar, select All Programs, select Smart Capture, and then click Smart Capture. The Smart Capture main window appears.
- 2 Connect your compatible i.LINK digital camcorder to your computer with an i.LINK cable (optional). An image appears in the Smart Capture main window.
- 3 Verify that the Mode dial is set to Net Movie. Click the Mode dial to switch between Still mode and Net Movie mode.
- 4 Click the Options button to view the available options for your movie capture. The Recording Options window appears.

### Recording Options window



Format tab view



Capture Button tab view

The Recording Options window has three tabs:

- **Format** — You can adjust the compression rate for your movies in MPEG1 format or choose the AVI option for no compression. You can also set the maximum recording time for your movie capture.

- ❑ **Destination** — Select a file destination for your movies when recording video clips.
  - ❑ **Capture Button** — Set the characteristics of the software's on-screen Capture button. You can start and stop recording by clicking the Capture button (this is the default characteristic). You can select Anti-Ground Shooting, which allows recording to occur only while you click and hold the Capture button. Recording will stop when you release the button.
- 5 Click the Effects button to select a special image effect. The Effect Settings window appears. Use the drop-down list to view and customize the available effects.

 You can remove all special effects by clicking the No Effects button.

### *To capture a movie in Net Movie mode*

- 1 Use your digital camcorder to locate the view(s) you want to capture. When you see the desired view in either the Smart Capture window or your camcorder's viewfinder, click the Capture button to begin recording your movie. The Movie Player window appears.
- 2 Click the Capture button when you have finished recording your movie and the first frame of your movie appears in the Movie Player window. You can record a movie for approximately 30 seconds. The Movie Player feature automatically stops recording when this time limit is reached.

### *Movie Player window*



- 3 You can review your movie from the Movie Player window by using the play, pause, and stop buttons. Click the arrows or drag the scroll bar to view your movie. Each frame is displayed with an identifying number in the queue.

 If you have set the Capture button to use the Anti-Ground setting, you must click and hold the Capture button to record your movie.

### *To manage your movie in Net Movie mode*

From the Movie Player window, you can perform various functions using the task buttons:

- ❑ **Delete** — Discard any frame or the entire movie by clicking the Delete button. The frame or movie is removed from the Movie Player window.
- ❑ **Upload** — Send your movies online to the ImageStation Web site to share with your family and friends. The ImageStation service stores your movies online when you become a registered user. See “Using ImageStation with Smart Capture software.”
- ❑ **Mail** — E-mail your movies to family and friends. Click the Mail button and your e-mail application launches with a new message window containing the movie as an attachment.
- ❑ **Save** — Click the Save button to compress and save your movie in a variety of formats, to a location of your choice.

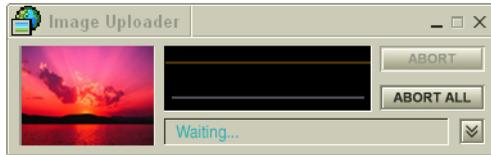
### *Using ImageStation with Smart Capture software*

ImageStation<sup>SM</sup> is an online service that allows you to store your pictures and movies on the Internet to share with family and friends. The ImageStation service requires an Internet connection and registration for the Web-based service. You must be connected to the Internet before uploading your pictures or movies with Smart Capture and ImageStation applications.

### To upload with Movie Player

- 1 Click the Upload Button in Movie Player to begin transfer of your movie to the ImageStation Web site. The Image Uploader window appears and displays the Internet connection and upload status.

### Image Uploader window



- 2 Click  to see thumbnail previews of your pictures or movies.

### To upload with Still Viewer

- 1 Click the Upload button in Still Viewer. The ImageStation Login window appears.

### ImageStation Login window



- 2 For first-time users, the ImageStation registration wizard guides you through the initial registration process. Follow the on-screen instructions. If you are already a registered member, provide your login name and password. The Image Uploader window appears.

- 3 From the Still Viewer window, click the Upload button to transfer your pictures or movies to the ImageStation Web site. The Image Uploader window displays your Internet connection and upload status. Click  to see thumbnail previews of your pictures or movies.

 The ImageStation preview feature is available when you upload two or more pictures or a movie. No preview is shown if a single picture is being uploaded.

- 4 Go to <http://www.imagestation.com> to view your uploaded pictures or movies. Follow the on-screen instructions to access your ImageStation account. The ImageStation Web site may ask you to complete a full login again, if your current online session is not active.

 Sony recommends that your movie file size not exceed 254 MB if compressed, or 2 GB if not compressed. Large movie files take longer to upload to the ImageStation Web site.

## SonicStage Software

SonicStage™ is a software application that utilizes copyright protection technology from Sony Corporation. SonicStage maintains the holder's copyrights by preventing unauthorized distribution of digital audio files. SonicStage software lets you play and record from audio CDs and import digital audio files while maintaining copyright information.

When you record from an audio CD using SonicStage, the audio file is encoded in ATRAC3 format onto your computer's hard drive. Downloading digital audio files from Electronic Music Distribution (EMD) services enables the imported data to be played on your computer, or transferred to external devices or media. SonicStage converts your existing MP3 and WAV format audio files into ATRAC3 format.

### *Electronic Music Distribution (EMD) Services*

EMD enables you to download music files via the Internet. To use Internet services that are compatible with SonicStage, you need:

- ❑ Access to the Internet from your computer. Sign up with an Internet Service Provider (ISP) and configure your computer for Internet access before using EMD services.
- ❑ An EMD service provider. Consult the provider for service information.

 To protect your personal data, Sony uses Secure Sockets Layer (SSL), an encryption protocol for communication between your browser and Sony's World Wide Web (WWW) server. If you are accessing the Internet from an enterprise Local Area Network (LAN), you may not be able to use SSL due to the proxy server of the LAN. Contact your network administrator for more information.

## Starting SonicStage

- 1 Click Start in the Windows taskbar and then click All Programs.
- 2 Select SonicStage and then click SonicStage.

 The CDDB® (Compact Disc Database) Music Recognition Service registration wizard enables you to register with CDDB. You need Internet access from your computer to register and use this service. For more information regarding CDDB registration, click the Help button.

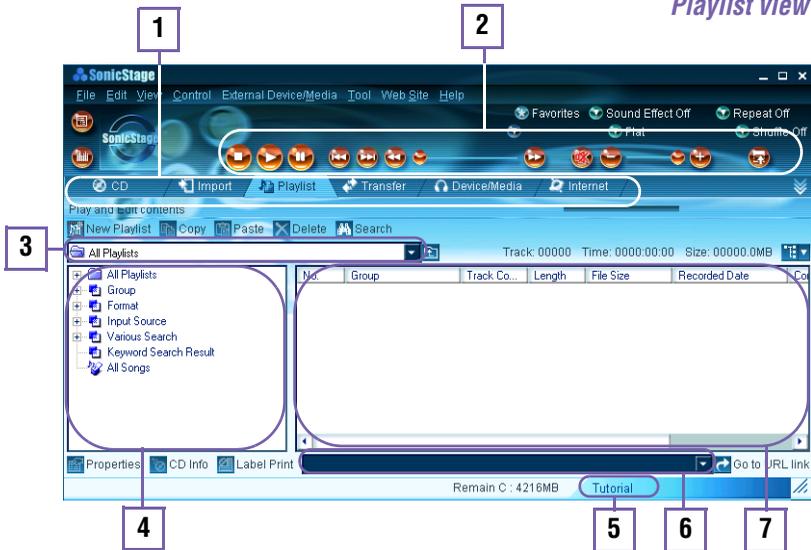
- 3 When you have registered with CDDB, the “Confirm the setup of SonicStage...” dialog box appears.
- 4 Click Yes to continue.

### SonicStage feature tabs (Main window)

- ❑ **CD tab**  — The contents of your inserted audio CD are displayed, enabling functions such as recording to the computer’s hard disk drive.
- ❑ **Import tab**  — Import MP3, WAV or audio files on your computer to a Playlist.
- ❑ **Playlist tab**  — View the available Playlists as “tree + list” or “list” only.
- ❑ **Transfer tab**  — View the available Playlists on your computer. You can transfer the audio files to an external device or media.
- ❑ **Device/Media tab**  — View the status of your audio files, connected external device, or inserted media.
- ❑ **Internet tab**  — The browser view displays your connection to the Internet, enabling you to locate audio files and use EMD services.

## SonicStage main window

## Playlist view

**1 Feature tabs**

Changes the screen view according to the selected feature.

**2 Player control buttons**

Controls playback functions, such as play, pause, stop, fast forward, and reverse. You can increase or decrease volume and switch view modes.

**3 Playlist drop-down list (Playlist view)**

Displays available playlists and audio files.

**4 File tree view (Playlist view)**

Displays the folders available on your computer, enabling you to locate your audio files. Expand the views for the file list or Playlist drop-down using the Playlist switch  button.

**5 Tutorial**

Click to open or close the Tutorial feature.

**6 Internet address drop-down list**

Displays current and recently visited Internet addresses. Click the "Go to URL link" button to immediately connect to your favorite Web sites.

**7 File list view (Playlist view)**

Displays the contents of the folder selected in the file tree view.

## Recording from a CD

You can record songs from audio CDs and import them to playlists in SonicStage.

 When you record from an audio CD from your optical disc drive for the first time, the “CD Drive Optimization” dialog box appears. Click Start to verify your optical disc drive. After the verification is performed, recording begins.

- 1 Insert an audio CD into your system’s optical disc drive.
- 2 Click the CD tab.
- 3 Use the drop-down lists to select the ATRAC3 bit rate, CD drive, and Record To destination.

### CD tab window



- 4 You can identify specific tracks on your CD by clearing the check marks from the tracks you don’t want to record. You can clear all selected tracks by selecting the empty checkbox next to Select All, and then selecting the tracks you want to record.

If your Internet connection is active, you can use the  CD Info button to view the name of your CD and its song titles.

 The CD Info button feature is not supported for all audio CDs.

- Click  (Rec to Jukebox) to begin recording. When the recording is finished, the new playlist appears in the File tree view of the Playlist window.

### Transferring songs (Check-In/Check-Out)

You can transfer songs between the playlists in the SonicStage software and external devices or media. For more information on using your external devices or media, see the instructions supplied with the device or media.

These instructions are for using the Check-In/Check-Out “1-step” method. For information on using another method, see “Changing the check-in/check-out settings” in the SonicStage online Help file.

#### Check-Out

- Connect the external device or insert the media into your computer.
- Click the Transfer tab to display the Transfer window. Your computer automatically recognizes the connected external device or media and lists the content information in a new panel on the right side of the Transfer window.

#### Transfer window



- Select the Playlist that contains the song that you want to check out. The songs in the playlist are shown in the Playlist view panel located in the center of the Transfer window.
- From the Playlist view panel, select the song to be checked out. To check out more than one song at a time, hold down the Ctrl key and select the additional songs.

- 5 Click  (Out), or drag the song to the desired position in the song list of the external device or media. Check Out begins.

 To cancel Check Out, click  (Stop), or click Cancel in the Processing dialog box that is displayed during the Check Out process.

### Check In

The songs you transfer to external devices or media can only be checked in to the hard drive of the same computer from which the songs were checked out.

- 1 Connect the external device or insert the media into your computer.
- 2 Click the Transfer tab to display the Transfer window. Your computer automatically recognizes the connected external device or media and lists the content information in a new panel on the right side of the Transfer window.
- 3 Select the song to be checked in from the song list of the external device or media. To check in more than one song at a time, hold down the Ctrl key and click the additional songs.
- 4 Click  (In), or drag the song(s) to the Playlist view panel. If you want to check in all of the songs in the external device or media, click  (In All). Check In begins.

 To cancel Check In, click  (Stop), or click Cancel in the Processing dialog box that is displayed during the Check In process.

For more information about using SonicStage software, go to the online SonicStage Help. You can access the online help file as follows:

- 1 Click the Start button in the Windows taskbar, select All Programs.
- 2 Select SonicStage, then select SonicStage Help.

## **Additional features**

- ❑ **SonicStage Tutorial** — SonicStage features are described in the Tutorial. The user-friendly interface instructs you on how to use all SonicStage features.
- ❑ **SonicStage Backup Tool** — You can back up and restore music, graphics, and information data managed by SonicStage. You must be connected to the Internet to use the SonicStage Backup Tool.
- ❑ **Import audio files in various formats** — You can import audio files in various formats, such as MP3 or WAV standards. You can also import audio files that comply with the Microsoft® Windows Media™ Technologies (WMT) standard, identified by .asf or .wma extensions. Manage your audio files through the Playlist feature of SonicStage.
- ❑ **Manage imported songs on the Playlist** — Additional features are available when you register your imported songs through the Playlist feature of SonicStage. You can manage your music by creating your own list of songs categorized by genre or artist, displaying your song list in the Playlist feature, and arranging your songs in a customized order using the Playlist folders. Edit your music by combining multiple songs into a single song, or divide one song into two, by using the Combine and Divide features.
- ❑ **Simple mode** — The main SonicStage window viewed in Simple mode, is a smaller, compact version of Full mode. This may be convenient when you want to listen to music with SonicStage software, while using other applications, or whenever you feel the Full mode view is intrusive. The design of the main SonicStage window in simple mode can be changed by selecting a new “Skin,” which enhances the window’s appearance. The Simple mode feature enables you to perform playback operations only.

## VisualFlow Software

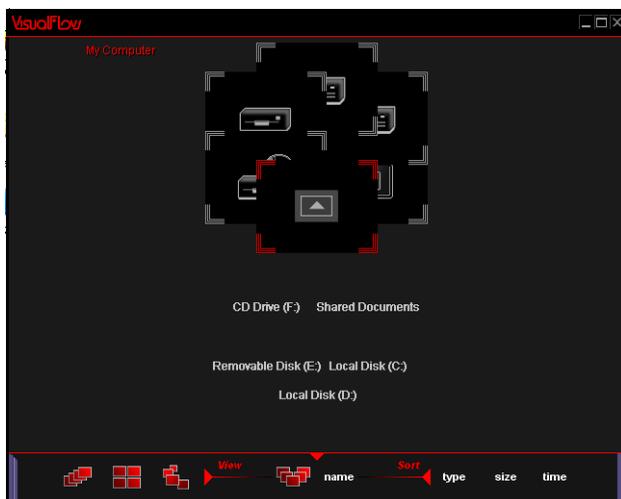
VisualFlow™ software is a Sony state-of-the-art multimedia browser designed specifically for Memory Stick® media. It displays any still picture, movie or sound files stored in a Memory Stick media in a visually pleasing, artistic manner. VisualFlow software plays a selected movie or sound file and enables playback of files by other applications like PictureGear™, PictureToy™, and Memory Stick Slideshow.

### Using VisualFlow software

You can navigate in the VisualFlow application by using your mouse, the directional arrows on your keyboard, or the Sony Jog Dial™ control, depending on your computer's configuration.

- 1 Click Start in the Windows taskbar, then select All Programs.
- 2 Select VisualFlow, then click VisualFlow.

### VisualFlow main window



 If your system is equipped to use a Memory Stick, the VAIO Action Setup utility may be configured to launch the VisualFlow browser upon insertion of a Memory Stick media. In this case, VisualFlow starts automatically when a Memory Stick media is inserted.

- 3 Click an icon in the View section on the main toolbar to select a display layout.
- 4 Click an icon in the Sort section on the main toolbar to select a sorting method.
- 5 Placing your cursor on the left end of the main toolbar activates the current Memory Stick properties.
- 6 Placing your cursor on the right end of the main toolbar activates a secondary toolbar with more functions.
- 7 Click an image to show a normal view centered on the screen.  
Double-clicking an image shows an enlarged view.
- 8 The movie file starts playback when the view is enlarged. Click on the movie files again to restore the view to normal.

 While an image is enlarged, the Launch toolbar appears at the bottom of the window. Any associated application can be activated from this point.



# Configuring Your VAIO Computer

*This section provides information about maintaining your computer's hard disk drive performance, connecting a compatible i.LINK® device, and enabling an Ethernet connection.*

## Hard Disk Drive Partition

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To maintain optimum system performance, you should defragment your computer's D partition regularly.

To improve the performance of Sony audio and video software applications, the hard disk drive on your computer has been formatted with two partitions, C and D. Some Sony software applications save files to the D partition. This prevents large video captures from consuming the available space on your C partition.

### Defragmenting your hard disk drive

If you encounter frame dropping while recording digital video onto your hard disk drive, defragmentation may be necessary.

- 1 Deactivate your screen saver and close other open applications, if applicable.
- 2 Click Start in the Windows Taskbar and select All Programs.
- 3 Point to Accessories, point to System Tools, and then select Disk Defragmenter.

The Disk Defragment dialog box appears.

- 4 Select Action from the menu bar and click Analyze.

 It may take more than a couple of hours to complete defragmentation, depending on the data capacity and current utilization of your computer's hard disk drive(s).

## ***i.LINK (IEEE1394) Compatibility***

Your VAIO computer may include either 4-pin or 6-pin, or both types, of i.LINK ports.

 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 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 an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

A 6-pin i.LINK port can:

- supply power from the computer to the connected device if the device is equipped with a 6-pin connector.
- supply 10V to 12V.

A 4-pin i.LINK port cannot supply power to a connected device.



**The total power supplied by the 6-pin i.LINK port cannot exceed 6 watts.**

The following Sony i.LINK 400 Mbps cables are available and recommended for use with your computer: VMC-IL4415, VMC-IL4435, VMC-IL4615, VMC-IL4635, VMC-IL6615, and VMC-IL6635.

Sony computer supplies, accessories, and peripherals can be purchased from your local retailer or by accessing the Sony VAIO Direct Web site (<http://www.sonystyle.com/vaio>), or by calling 1-888-315-7669 (toll free).

### ***Connecting an i.LINK (IEEE1394) device***

- 1 Use the  symbol to locate the i.LINK port on your compatible i.LINK device and on your computer. Plug the i.LINK cable connector into this port.
- 2 Plug the other end of the cable into the corresponding 4- or 6-pin i.LINK port on your computer.

 See the instructions that came with your i.LINK device for more information on installation and use.

## To Enable Ethernet Connectivity

Your computer comes with a preinstalled Ethernet port. To enable faster start-up time, your computer may ship with this function disabled. You can enable Ethernet connectivity by following the instructions below.

### Enabling the Ethernet connection

- 1 Click Start in the Windows taskbar, then select Control Panel.
- 2 From the Pick a Category list, select Performance and Maintenance.  
The Performance and Maintenance dialog box appears.
- 3 From the Pick a Control Panel icon, select System.  
The System Properties dialog box appears.
- 4 Select the Hardware tab, then click the Device Manager button to view the installed system hardware.  
The Device Manager dialog box appears.
- 5 Click the unfold button in the Network Adapters category to reveal all installed network devices. Select “SiS 900 PCI Fast Ethernet Adapter.”
- 6 From menu bar, select Action and then click Properties.
- 7 Select “Use this device (enable).”
- 8 Click OK.
- 9 Close the Device Manager dialog box.
- 10 Close System Properties dialog box.
- 11 Close Performance and Maintenance dialog box.



**Caution:** Your computer has a protective sticker  covering the Ethernet port located on the rear panel. Connect only 10Base-T and 100Base-TX cables to the Ethernet port. Using other cables or a telephone cable may result in an electric current overload and can cause a malfunction, excessive heat or fire in the port. For help on connecting to a network, see your network administrator.



# System, Application and Driver Recovery CD(s)

## System Recovery CD(s)

*Sony Electronics Inc.*

The System Recovery CD utility enables you to restore the operating system and software that shipped with your computer if they become corrupted or are erased. It can be used only to restore the hard disk of the Sony computer you purchased.

## Application Recovery CD(s)

*Sony Electronics Inc.*

The Application Recovery CD program enables you to reinstall individual applications. Use it to restore corrupted or erased files.

## Driver Recovery CD

*Sony Electronics Inc.*

The Driver Recovery CD program enables you to reinstall individual device drivers. Use it to restore corrupted or erased files.

## To Use the System Recovery CD(s)

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You can reinstall the operating system and software applications that shipped with your computer if they become corrupted or are erased. If you experience a problem with your computer, reinstalling an individual application or device driver may correct the problem. You may not need to recover the entire contents of your hard drive.



Use the Application Recovery CD(s) to reinstall individual applications.

When you use the System Recovery CD(s), you are prompted to complete the Windows registration process.

## Full restore with format

The System Recovery utility formats your hard disk drive and then restores all the original software applications.



**You will lose any software you have installed and any other files you have created since you started to use your computer. You must reinstall any applications that were not included with the computer when you purchased it.**

## Using the System Recovery CD(s)

- 1 Insert the System Recovery CD in your computer's optical drive.

The System Recovery utility starts from the optical drive. The first CD must be in the drive when you turn on your computer.



If your system is equipped with two optical drives, insert the System Recovery CD into the upper optical drive.

- 2 Turn off your computer.
- 3 Wait 30 seconds and turn on your computer.
- 4 Type the letter "O" to signify you have read and accepted the Microsoft End-User License Agreement.
- 5 When the System Recovery menu appears, follow the on-screen instructions to complete the recovery process.



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

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

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

## To Use the Application Recovery CD(s)

The Application Recovery CD utility enables you to reinstall individual software applications if they become corrupted or are erased. Reinstalling an individual software application may correct a problem that you are experiencing with your computer or specific application. You may not need to reinstall the entire contents of your hard drive.

 If you need to reinstall all of the software that shipped with your computer, use the System Recovery CD(s).

You must be in Windows to run the Application Recovery CD utility. If you have any questions about using the Application Recovery CD(s), visit [www.sony.com/pcsupport](http://www.sony.com/pcsupport), or contact Sony Customer Support at 1-888-4-SONY-PC.

### Using the Application Recovery CD(s)

- 1 Turn on your computer. If your computer is already on, save and close all open applications.
- 2 When the Windows desktop appears, insert the Application Recovery CD into your computer's optical drive. The Application Recovery utility loads automatically.

 If your system is equipped with two optical drives, insert the Application Recovery CD into the upper optical drive.

- 3 When the Application Recovery menu appears, follow the on-screen instructions to complete the recovery process.

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

## To Use the Driver Recovery CD

The Driver Recovery CD utility enables you to reinstall individual drivers and repair software applications if they become corrupted or are erased. You can reinstall an individual driver to correct a problem that you are experiencing with your computer, peripheral hardware, or software application.

 If you need to reinstall all of the software applications that shipped with your computer, use the System Recovery CD(s).

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

### Reinstalling device drivers with the Driver Recovery CD

- 1 Turn on your computer. If your computer is already on, close all applications.
- 2 When the Windows desktop appears, insert the Driver Recovery CD into the optical disc drive.

 If your system is equipped with two optical drives, insert the Driver Recovery CD into the upper optical drive.

- 3 Click Start in the Windows taskbar and click Control Panel. The Control Panel window appears.
- 4 Click Performance and Maintenance and click System. The System Properties dialog box appears.
- 5 From the Hardware tab, click Device Manager.
- 6 Click to select the unknown device or the device that requires the driver installation. The unknown device(s) is identified by a yellow question mark.
- 7 From the Action menu, click Uninstall. This removes the device driver from your system. Click OK. Repeat for each device driver as necessary.
- 8 Restart your computer. Click Start in the Windows taskbar, select Turn Off Computer, and then click Restart.
- 9 When the desktop appears, Windows automatically reinstalls the device driver(s) from the Driver Recovery CD.

# Troubleshooting

*This section describes how to solve common problems you may encounter when using your computer. Many problems have simple solutions, so try these suggestions before you call Sony Customer Support.*

## Topics

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*Topic: My computer does not start.*

- Check that the computer is plugged into a power source and that it is turned on. Check that the power light is lit on the front panel of the computer.
- Confirm that a disk is not in the floppy disk drive (unless you are using a bootable floppy disk).
- Confirm that the power cord and all cables are connected firmly.
- If you plugged the computer into a power strip or Uninterruptible Power Supply (UPS), make sure the power strip or UPS is turned on and working.
- Check that the monitor is plugged into a power source and turned on. Check that the brightness and contrast controls are adjusted correctly. See the manual that came with your display for details.
- Check that the computer is not in Stand by mode.

*Topic: My files are corrupted or deleted. I want to recover applications that came with my computer.*

See “To Use the Application Recovery CD(s).” for more information.

*Topic: My drivers are corrupted or deleted. I want to recover drivers that came with my computer.*

See “To Use the Driver Recovery CD.” for more information.

*Topic: My computer or software application stopped responding.*

You can try to locate and close the software application that has stopped responding.

- 1 Press the Ctrl+Alt+Delete keys. The Windows Task Manager window appears.
- 2 From the Applications tab, locate the application that has the status message, “Not responding.”
- 3 Click to select the application and then click End Task. Windows attempts to close the application.

If your computer does not respond or the application does not close, try the following steps:

- 1 Save any open files, if possible.
- 2 Press the Alt+F4 keys. The Turn Off Computer window appears.
- 3 Click the Restart button.

If your computer still does not respond and you cannot restart, shut down your computer by pressing and holding the power switch for more than six seconds.

If the software application continues to be unresponsive or causes your computer to stop responding, contact the software publisher or designated technical support provider.



**Pressing and holding the power switch for more than six seconds may result in the loss of data from files that are currently open.**

*Topic: Why does the Windows® operating system stop responding during shutdown?*

The Windows operating system may not shut down properly for many reasons, including incompatible or conflicting drivers, damaged files, or non-responsive hardware. For troubleshooting information, you can search Windows Help.

- 1 Click Start in the Windows taskbar and select VAIO Help and Support. The VAIO Help and Support dialog box appears.
- 2 Select Fixing a Problem and then select Startup and Shut Down problems. A list of specific problem topics appears on the right side of the dialog box.

- 3 Select Startup and Shutdown Troubleshooter. Follow the onscreen instructions according to your specific situation.

*Topic: Why does my computer take longer to start up after installing America Online® (AOL) software?*

Installing AOL on some computers may increase the time required to start up by as much as 60 seconds. You can decrease your computer's start up time by disabling the AOL wide area network (WAN) driver. Follow these steps:

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

Open your AOL connection and verify that the application functions properly with the WAN Network Driver disabled. If you need to restore this Network setting, repeat these steps (1 - 3) and select Enable.

*Topic: How do I change the parallel port type to ECP, EPP, or bi-directional?*

You can change the parallel port type using the System Setup utility (CMOS Setup Utility). To access System Setup:

- 1 Click Start in the Windows® taskbar, and select Turn Off Computer. Select Restart.
- 2 When the Sony screen displays, press the F2 key on your keyboard.
- 3 Select the Advanced tab from the Setup Utility screen.
- 4 Select "I/O Device Configuration" and press Enter.
- 5 Use the arrow keys to highlight Parallel Port Mode and press Enter.

 You can toggle between the Normal (bi-directional), EPP, ECP, and ECP+EPP options using the directional arrow keys.

- 6 Select the desired setting displays, and press Enter.
- 7 Press the F10 key to Save and Exit.

*Topic: The cursor on my Sony Pen Tablet display does not move or moves in an unpredictable manner when I use the VAIO® pen.*

You may need to configure your VAIO pen's switch function. See "Configuring the VAIO Pen functions." for information on calibrating your pen to the pen tablet display.

*Topic: Why doesn't my mouse resume operation as my input device when I stop using the VAIO pen?*

A conflict occurs between the pen and another input device while the pen is in contact with the Sony Pen Tablet display screen. When you are finished using your VAIO pen, do not leave it on the tablet screen. Place the pen in the supplied pen stand when it is not in use.

*Topic: I cannot draw or erase on the Sony Pen Tablet display with my VAIO pen.*

This may occur when you move to different applications or windows where the Sony Tablet Set Up program is not loaded. The application or window will return to its normal state when the pen tip is removed from the tablet screen.

*Topic: My VAIO Pen does not respond correctly when my computer returns to Normal mode from Stand by or Suspend modes.*

When the VAIO Pen is left too close to the tablet and your system is returning from Stand by or Suspend modes, your VAIO Pen or Sony Pen Tablet settings may change. These symptoms and their solutions are listed as follows:

- If the VAIO Pen does not move the cursor or the Rocker switch does not work, you must restart your computer. Save all open documents and close all open applications with your mouse, before you restart your computer.
- If the tablet mouse (UD cursor) appears to be the default setting in the Sony Tablet software, you can go to the Sony Tablet Property window and select Edit-Reset Settings to cancel this registration.

*Topic: My optical drive tray does not open.*

Use the Eject button

- 1 Make sure the computer is turned on.
- 2 Press the Eject button on the drive.

Use the My Computer icon

- 1 Click Start in the Windows taskbar, then select My Computer.
- 2 Right-click the appropriate optical drive icon.
- 3 Select Eject from the shortcut menu.

 Avoid using adhesive labels to identify your CD media. Adhesive labels may come off while the CD media is in use in your optical drive(s) and may cause damage to the unit.

*Topic: I cannot play a DVD or CD.*

- After inserting your optical disc, wait a few seconds for it to be detected before trying to access it.
- Verify that the disc is in the tray with the label side facing up.
- Install your CD or DVD software according to the manufacturer's instructions.
- If your drive reads some DVDs or CDs, but not others, check the shiny side of the disc for dirt or scratches. You may also need to clean the disc drive lens with an appropriate cleaner.

 To recover the CD or DVD software applications that are preinstalled on your computer, see "To Use the Application Recovery CD(s)." for more information.

**Topic: I cannot play a DVD.**

If a region code warning appears when you are using the DVD player application, it may be that the region code of the DVD you are trying to play is incompatible with the region code setting of your optical drive. A region code is listed on the disc packaging. Region code indicators such as “1” or “ALL” are labeled on some DVDs to indicate the type of player that can play the disc. Unless a “1” or “ALL” appears on the DVD or on its packaging, you cannot play the disc on this system.

If you hear audio but cannot see video, your computer’s video resolution may be set too high. To improve video resolution, verify that your screen area is set to 1024 x 768, using 32-bit color (preset factory default). To check your video resolution, see the Troubleshooting topic, “How do I change the video resolution of my display?.”

 If your computer’s video memory (RAM) is 11 MB shared system memory, you may improve video resolution by changing your screen area to 800 x 600, using 16-bit color. See your Specifications sheet for details about your computer’s video RAM.

If you see video but cannot hear audio, check all of the following:

- Verify that your DVD player’s mute feature is turned off.
- Check the master volume setting in the Audio Mixer.
- Check the volume settings on your computer speakers.
- Check the connections between your speakers and the computer.
- Verify that drivers are installed properly, by following these steps:
  - 1 Click Start in the Windows taskbar, then select Control Panel.
  - 2 Click Performance and Maintenance and then click Systems. The System Properties dialog box appears.
  - 3 Select the Hardware tab and then select the Device Manager button to view installed drivers.

A dirty or damaged disc may also cause the computer to stop responding while it tries to read the disc. If necessary, remove the disc and check that it is not dirty or damaged.

 To recover the CD or DVD software applications that are preinstalled on your computer, see “To Use the Application Recovery CD(s)” for more information.

*Topic: When I click an application icon, a message such as “You must insert the application CD into your drive” appears and the software does not start.*

- ❑ Some software applications require specific files that are located on the application’s CD-ROM. Insert the disc and try starting the program again.
- ❑ Check to make sure you inserted the CD-ROM with the label side facing up.

*Topic: Why doesn't my optical drive record at the highest speed?*

If you are having difficulty formatting CD-RW media for recording purposes, try changing the write speed to a lower setting.

See the online Help or documentation that came with your CD recording software application for details on adjusting write speed settings.

*Topic: Why is my computer operating improperly after downloading the CD-burning component of RealJukebox® software?*

If you choose to download and use the optional RealJukebox software’s CD-burning component to create CDs, the software feature may interfere with your computer’s normal system operations.

For VAIO® computers that are equipped with all of the necessary components for creating a CD-R or CD-RW, Sony recommends using the SonicStage™ software application to create CDs. SonicStage software is preinstalled on your computer.

*Topic: How do I change the video resolution of my display?*

- 1 Click Start in the Windows taskbar, and then select Control Panel.
- 2 Select Appearance and Themes, then select “Change the screen resolution.”
- 3 Click the Settings tab.
- 4 Change the Screen resolution and Color quality to the desired levels.
- 5 Click Apply and then click OK.

*Topic: Why is there no sound in any application?*

- ❑ Check that the speakers are plugged into the Headphones jack.
- ❑ If your speakers have a mute button, verify that it is turned off.
- ❑ If your speakers are powered by batteries, verify that the batteries are inserted properly and that they are charged.
- ❑ If your speakers use an external power source, verify that the power cord is plugged into a grounded wall outlet or power strip.
- ❑ If your speakers have volume control, check the volume level.
- ❑ You cannot hear sound from your speakers if headphones are connected to your computer.
- ❑ If the software application you are using has its own volume control, check that the volume is turned up.
- ❑ Check the volume controls in the Windows® operating system using these steps:
  - 1 Click Start in the Windows taskbar, then select Control Panel.
  - 2 Select Sounds, Speech, and Audio Devices, then click “Adjust the system volume.”
  - 3 From the Volume tab, adjust the Device volume by moving the slider bar to the desired sound level. Verify that the Mute option is not selected.

 You may need to reinstall the sound drivers. See “To Use the Driver Recovery CD(s)” for more information.

*Topic: My modem connection is slow.*

Many factors influence modem connection speed:

- ❑ Telephone line noise.
- ❑ Incompatibility with other telephone equipment such as fax machines or other modems.
- ❑ Internet Service Providers (ISP) connection capability may vary.

If you think your modem is not connecting properly to other PC-based modems, fax machines, or your ISP, check the following:

- ❑ Contact your phone company and ask them to verify that your phone line is free from line noise.

- ❑ If your problem is fax-related, check that there are no problems with the fax machine you are calling and that it is compatible with fax modems.
- ❑ For optimum performance, verify that your ISP point of presence (POP) phone number is compliant with V.90 standards.
- ❑ If you are having a problem connecting with your ISP, check that they are not experiencing technical problems.
- ❑ Try connecting your modem through another phone line, if available.

*Topic: My modem does not work.*

Your modem may be experiencing equipment or software conflicts. If your modem is not functioning properly, check the following:

- ❑ Check that the phone line is plugged into the Line jack.
- ❑ Check that the phone line is working. You can check the line by plugging in a standard telephone and listening for a dial tone.
- ❑ Check that the access phone number (POP) is correct.
- ❑ All software applications that are preinstalled by Sony are compatible with your computer modem. If you have installed other software, contact the software publisher for information on how to configure the software to recognize the modem.
- ❑ If it appears that your modem is not functioning properly, check the device status.
  - 1 Click Start in the Windows® taskbar, then click Control Panel.
  - 2 Click Printers and Other Hardware and then select Phone and Modem Options.
  - 3 From the Modems tab, click to select your modem.
  - 4 Click Properties. The Modem Properties window appears.
  - 5 Review the information in the Device status section. If your modem is not working properly, click the troubleshoot button. The VAIO® Help and Support Center window appears.
  - 6 Follow the onscreen instructions to resolve the problem.



You may need to reinstall the modem drivers. See "To Use the Driver Recovery CD(s) for more information.

*Topic: How do I change my modem to rotary or Touch-Tone dialing?*

- 1 Click Start in the Windows® taskbar, then click Control Panel.
- 2 Click Printers and Other Hardware, then click Phone and Modem options.
- 3 From the Dialing Rules tab, click Edit. The Edit Location dialog box appears.
- 4 Select the Tone or Pulse option. Click OK.

*Topic: My microphone does not work.*

Check that the microphone is plugged into the MICROPHONE jack.

*Topic: My microphone is too sensitive to background noise.*

If you find there is too much background noise when you record sound, you should adjust the microphone gain by following these steps:

- 1 Click Start in the Windows taskbar, then click Control Panel.
- 2 Click Sounds, Speech, and Audio Devices, then click Sounds and Audio Devices.
- 3 From the Audio tab, locate the Sound recording section and click the Volume button. The Recording Control dialog box appears.
- 4 Select the Options menu and click Properties. The Properties dialog box appears.
- 5 In the section, “Adjust volume for,” select the Recording option. Click OK.
- 6 From the Recording Control dialog box, decrease the microphone volume level by moving the slider bar down.
- 7 Close the Recording Control dialog box and then close the Sounds and Audio Devices Properties window.

*Topic: My mouse does not work.*

- ❑ Check that the mouse is plugged securely into the Mouse port.
- ❑ Save and close all open applications. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- ❑ There may be dust or dirt inside the mouse mechanism. To clean the mouse, follow these steps:
  - 1 Save and close all applications, and turn off your computer.
  - 2 Turn the mouse upside down.
  - 3 Remove the mouse ball cover on the back of the mouse by turning clockwise the ring that covers the mouse ball.
  - 4 Turn the mouse upright, and drop the mouse ball into your hand.
  - 5 Using a piece of tape, remove any dust or dirt on the mouse ball and inside the mouse ball socket.
  - 6 Return the mouse ball to the socket, and replace the mouse ball cover. Secure the cover by turning the ring counter-clockwise.

 You may need to reinstall the mouse drivers. See “To Use the Driver Recovery CD” for more information.

*Topic: My mouse needs to be set up for left-hand use.*

- 1 Click Start in the Windows taskbar, then click Control Panel.
- 2 Click Printers and Other Hardware, then click Mouse. The Mouse Properties dialog box appears.
- 3 From the Buttons tab, select “Switch primary and secondary buttons” under the Button Configuration options.
- 4 Click Apply, then click OK.

*Topic: My keyboard does not work.*

- ❑ Check that the keyboard is securely plugged into the Keyboard port.
- ❑ Save and close all open applications. Turn off your computer, wait approximately 10 seconds, and then restart your computer.

*Topic: I cannot find the Windows® taskbar.*

The Windows taskbar may be hidden or minimized.

- ❑ Use the mouse to locate a hidden taskbar by pointing to the left, right, top, and bottom edges of the screen. The taskbar appears when the cursor is placed over its location.
  - 1 Right-click on the taskbar and select Properties from the shortcut menu.
  - 2 Clear the check box for Autohide the taskbar, then click OK.
- ❑ Use the mouse to locate a minimized taskbar by pointing to the left, right, top and bottom edges of the display screen. The taskbar has been located when the cursor changes to a double arrow cursor. Left-click and drag away from the edge of the display screen. The minimized taskbar resizes and becomes visible.

*Topic: Why is my system running slowly?*

- ❑ The system responsiveness varies depending with the number of applications that are open and running. Close any applications that you are not currently using.
- ❑ Increasing the system memory may also help. For information on installing memory, please see the online VAIO® User Guide.

*Topic: How do I install a printer?*

- ❑ If your printer has a USB, IEEE1394, or infrared connection, contact the printer manufacturer for information or updates that may be required for proper installation.
- ❑ Check the printer manufacturer's Web site for the latest drivers for your operating system before proceeding with installation. Some printers do not function properly without the updated drivers for specific operating systems.
- ❑ To install your printer, follow these steps:
  - 1 Click Start in the Windows® taskbar, then click Control Panel.
  - 2 Click Printers and Other Hardware, then click Add a Printer.
  - 3 From the Add Printer Wizard, click Next.

- 4 Select Local Printer, then click Next.

 Place a check mark in the box for “Automatically detect and install my Plug and Play printer,” if you are installing a recently manufactured printer with Plug and Play capability.

- 5 Select the appropriate port, usually LPT1, and then click Next.
- 6 Select the appropriate printer manufacturer and model.
- 7 Follow the onscreen instructions to print a test page and complete printer installation.

 If the printer is not included in the list and the printer manufacturer included a disk with a Windows XP™ Printer driver, choose Have Disk, enter the appropriate path for the disk or CD and click OK.

If the printer is not included on the list and no drivers are included with the printer, choose an alternate printer driver that your printer may emulate. Refer to the manual that came with your printer for specific emulation information.

*Topic: My connected printer doesn't function after the computer resumes from a power saving mode.*

Clear the printer memory by turning the printer off for approximately 10 seconds, and then turning it back on.

### ***To contact Sony for technical support***

For further technical assistance, call 1-888-4-SONY-PC (1-888-476-6972) or access the Sony Computing Support Web site at: <http://www.sony.com/pcsupport>.

## Notes on Use

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The information in this section provides basic procedures to follow when handling your computer, components, and accessories.

### *The power source*

- ❑ Your computer operates on 100–120 V AC 50/60 Hz only.
- ❑ Plug all the power cords for your computer and its peripheral equipment into the same AC supply line. AC derived from different supply lines may result in voltage differences that can cause unstable operation or unwanted weak currents at the time of connection.
- ❑ Do not share the AC outlet with any other power-consuming equipment, such as copying machines or shredders.
- ❑ You can purchase a power strip with a surge protector. This device prevents damage to your computer caused by sudden power surges such as those that may occur during an electrical storm.
- ❑ If you live in an area that experiences frequent power fluctuations, you may want to purchase an Uninterruptible Power Supply (UPS). This device contains both a surge protector and a battery backup. The surge protector prevents damage to your computer caused by power surges. The battery backup safeguards your data during a brief period of power loss.
- ❑ The power control button on the front panel does not turn off the system AC power. To remove power from the system, you must turn off the computer and then unplug the AC power cord from the wall outlet or power strip.
- ❑ Do not place heavy objects on the power cord.
- ❑ Do not operate the system with the cover removed. Always reinstall the cover before turning on the system.
- ❑ To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- ❑ Unplug your computer from the wall outlet if you are not using the computer for a long time.
- ❑ Before touching anything inside the computer, turn the system off and let it cool for ten minutes. This ensures that the processor heat sink is not hot.
- ❑ Do not attempt to open the power supply. There are no user-serviceable parts in the power supply. To avoid personal injury or damage to your equipment, refer the repair or replacement of the power supply to qualified personnel only.

## Disposal of the lithium battery

Dispose of the lithium battery properly. In some areas, the disposal of lithium batteries in household or business trash may be prohibited. You can return your unwanted lithium batteries to your nearest Sony Service Center or Factory Service Center. For the Sony Service Center nearest you, call 1-888-4-SONY-PC (1-888-476-6972).



**Do not handle damaged or leaking lithium batteries. The lithium battery may explode if mistreated. Do not disassemble it or dispose of it in fire.**

**Replace the battery with a Sony CR2032 lithium battery. Using a type of battery other than a CR2032 may present a risk of fire or explosion.**

## Handling the computer system

- ❑ Do not place your Sony computer in a location subject to:
  - ❑ Heat sources, such as radiators or air ducts
  - ❑ Direct sunlight
  - ❑ Excessive dust
  - ❑ Mechanical vibration or shock
  - ❑ Strong magnets or speakers that are not magnetically shielded
  - ❑ Ambient temperature of more than 95°F (35°C) or less than 50°F (10°C)
  - ❑ High humidity, moisture, or rain
- ❑ Do not place electronic equipment near your computer. The computer's electromagnetic field may cause a malfunction.
- ❑ Provide adequate air circulation to prevent internal heat build-up. Do not place your computer on loose surfaces (such as rugs or blankets) or near materials (such as curtains or draperies) that may block its ventilation slots. Leave a space of at least 8 inches from the back panel of your computer.
- ❑ Clean the cabinet with a soft, dry cloth or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzene, as it may damage the finish of your Sony computer.
- ❑ Should any solid object or liquid fall into the cabinet, keyboard, or mouse, shut down your computer and then unplug it. You may want to have the computer checked by qualified personnel before operating it any further.

- ❑ The computer uses high-frequency radio signals and may cause interference to radio or TV reception. Should this occur, relocate the computer a suitable distance away from the set.
- ❑ Use only specified peripheral equipment and interface cables; otherwise, problems may result.
- ❑ Do not use cut or damaged connection cables.
- ❑ Always switch the power off before connecting your computer to peripheral equipment; otherwise, damage may occur to the integrated circuits in your computer.
- ❑ Your computer, keyboard, and mouse consist of high-precision electronic parts. Do not drop them or bump them against other objects.
- ❑ Your Sony computer will not work with party lines, cannot be connected to a coin-operated telephone, and may not work with multiple phone lines or a private branch exchange (PBX).
- ❑ If the telephone company makes a service call to your home or office and determines that your computer is responsible for the problem, the telephone company may bill you for the service call. If you do not disconnect your computer when it is adversely affecting the telephone line, the telephone company has the right to disconnect your service until you correct the problem.

### **Moisture condensation**

If your computer is brought directly from a cold location to a warm one, moisture may condense inside your computer. In this case, allow at least an hour before turning on your computer. If any problem occurs, unplug your computer, and contact your Sony Service Center.

### **Upgrading the computer system**

- ❑ The procedures described in the online manual, *Upgrading and Maintaining Your VAIO Slimtop Computer*, assume familiarity with the general terminology associated with personal computers and with the safety practices and regulatory compliance required for using and modifying electronic equipment.
- ❑ Disconnect the system from its power source and from any telecommunications links, networks, or modems before you open the system or follow any of the procedures described in the online manual, *Upgrading*

*and Maintaining Your VAIO Slimtop Computer.* Failure to do so may result in personal injury or equipment damage.

- ❑ Electrostatic discharge (ESD) can damage disk drives, add-on cards, and other components. Follow the procedures described in the online manual, *Upgrading and Maintaining Your VAIO Slimtop Computer*, only at an ESD workstation. If such a station is not available, do not work in a carpeted area, and do not handle materials that produce or hold static electricity (for example, cellophane wrappers). Ground yourself by maintaining continuous contact with an unpainted metal portion of the chassis while performing the procedure.
- ❑ When removing a slot cover, be careful not to damage components on the system board or add-on cards. You may need to temporarily remove add-on cards that are next to the slot cover you want to remove.

### ***On Handling a Pen Tablet (LCD) display***

- ❑ Do not leave the display directly facing the sun for a long period of time as it can damage the LCD screen.
- ❑ Do not scratch the LCD screen or exert pressure on it. This may cause damage to the screen or cause a malfunction.
- ❑ Using the computer in low temperature conditions may produce a residual image on the screen. This is not a malfunction. When the computer returns to normal temperature, the screen returns to normal.
- ❑ A residual image may appear on the screen if the same image is displayed for a lengthy period of time. The image disappears after a period of time. You can use a screen saver to prevent residual images.
- ❑ The screen becomes warm during operation. This is normal and does not indicate a malfunction.
- ❑ Your display consists of high-precision electronic parts. Do not drop or bump it against other objects.
- ❑ The Sony Pen Tablet display uses high-frequency radio signals and may cause interference to radio or TV reception. Should this occur, relocate the computer a suitable distance away from the radio or TV.

### ***Using the hard disk drive***

- ❑ Do not place the computer in a location that is subject to vibration or shock.
- ❑ Do not move the computer during operation.
- ❑ Do not subject the computer to sudden changes in temperature.
- ❑ Do not turn off the power while the computer is accessing the hard disk drive.

### ***Handling floppy disks***

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

### ***Handling CD or DVD media***

- ❑ Do not touch the surface of the disc.
- ❑ Do not drop or bend the disc.
- ❑ Do not use adhesive labels to identify the disc. The label may come off while the disc is in use in the optical drive and damage the drive.

### ***Cleaning CD or DVD media***

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

## For Answers to Your Software Questions

This section provides support information for your computer's preinstalled software applications.

 Your computer may not be supplied with all of the software applications listed, depending on the system configuration you purchased.

### Software support

Check this support listing to locate information from the Internet, by e-mail, or by telephone.

**Adobe® Acrobat® Reader™, Adobe® GoLive™, Adobe® LiveMotion™, Adobe® Photoshop® Elements (on selected models), Adobe® Premiere® LE (on selected models)**  
**(Adobe Systems Inc.)**

Web site	<a href="http://www.adobe.com">http://www.adobe.com</a>
phone	206-675-6126 (fee-based support)
fax	206-628-5737
e-mail	<a href="mailto:techdocs@adobe.com">techdocs@adobe.com</a>
hours	M - F, 6 AM - 5 PM PST

### America Online® (America Online, Inc.)

Web site	<a href="http://www.aol.com">http://www.aol.com</a>
phone	800-827-6364
hours	7 days a week, 8 AM - 2 AM ET

### ArcSoft PhotoPrinter® 2000 Pro (ArcSoft Inc.)

Web site	<a href="http://www.arcsoft.com">http://www.arcsoft.com</a> <a href="http://www.photoisland.com">http://www.photoisland.com</a>
phone	510-440-9901
e-mail	<a href="mailto:support@arcsoft.com">support@arcsoft.com</a>
hours	M - F, 8:30 AM - 5:30 PM PST

### Earthlink™ Network Total Access (Earthlink Network Inc.)

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Web site	<a href="http://help.earthlink.net/techsupport">http://help.earthlink.net/techsupport</a>
phone	800-395-8410
e-mail	<a href="mailto:support@earthlink.net">support@earthlink.net</a>
hours	7 days a week, 24 hours a day

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### Microsoft® Windows® XP Home Edition operating system, Internet Explorer, Outlook® Express, Office XP Professional (on selected models), Office XP Small Business Edition (on selected models) (Microsoft Corp.)

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

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

### PC-Cillin® 2000 (Trend Micro, Inc.)

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Web site	<a href="http://www.antivirus.com/pc-cillin">http://www.antivirus.com/pc-cillin</a>
phone	949-387-7800
email	<a href="mailto:support@trendmicro.com">support@trendmicro.com</a>
hours	M - F, 8:00 AM - 5:00 PM PST

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### Quicken® 2002 Basic (Intuit Inc.)

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Web site	<a href="http://www.intuit.com/support">http://www.intuit.com/support</a>
phone	900-555-4932; 800-644-3193*
hours	M - F, 5:00 AM - 5:00 PM PST

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

### RealJukebox®, RealPlayer® (RealNetworks Inc.)

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Web site	<a href="http://www.real.com/jukebox/index.html">http://www.real.com/jukebox/index.html</a> (RealJukebox) <a href="http://www.real.com/player/index.html">http://www.real.com/player/index.html</a> (RealPlayer)
e-mail	<a href="http://service.real.com/help/call.html">http://service.real.com/help/call.html</a> (online form)

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### **Sony Applications (Sony Electronics Inc.)**

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

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

### **Sony Style Connect™ (Sony Electronics Inc.)**

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Web site	<a href="http://www.sonystyleconnect.com">http://www.sonystyleconnect.com</a>
phone	888-584-4467

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### **WordPerfect® (Corel Corp.)**

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Web site	<a href="http://www.corel.com/support/product_specific/wp9.htm">http://www.corel.com/support/product_specific/wp9.htm</a>
phone	716-871-2325
hours	M - F, 8:30 AM - 7:30 PM ET

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### **Sony Service Center**

For the Sony Service Center nearest you, call 1-888-4-SONY-PC (1-888-476-6972) or visit the Sony Computing Support Web site at <http://www.sony.com/pcsupport>. This service is free of charge for 90 days after the original date of purchase.

## Resources

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Sony provides several support options for your Sony computer. When you have questions about your computer and the preinstalled software, check these sources for answers:

<b>VAIO® QuickStart</b>	The QuickStart contains information on how to set up your computer quickly and easily.
<b>VAIO Computer User Guide</b>	The <i>User Guide</i> contains information on how to get the most from your computer, find help, and solve common problems. <b>(Note: The User Guide is not available in hard copy for all models.)</b>
<b>Online (Electronic) Documentation</b>	The <i>User Guide</i> is available electronically on your hard drive. Two additional guides, <i>Upgrading and Maintaining your VAIO Computer</i> and the <i>Troubleshooting Help</i> are also available online. To access online documentation: 1. Click Start and point to VAIO Help and Support Center. 2. Click on the VAIO User Guide.
<b>Software application manuals and online help files</b>	Most manuals for preinstalled software are located on your hard disk drive as online help files. You can access online help files from the Help menu within the specific application. A printed manual may be available for some applications.
<b>Knowledge Database</b>	This database provides instant access to information on commonly encountered problems. Enter a description of your problem and the Knowledge Database searches for the corresponding solutions online. You can access the Sony Knowledge Database from the Sony Computing Support Web site at <a href="http://www.sony.com/pcsupport">http://www.sony.com/pcsupport</a> .
<b>Sony Fax-on-Demand</b>	This service provides you with answers to commonly asked questions. You can use this automated service to request a list of available topics. Select the topics that you want to view. To contact the Sony fax-on-demand service, call 1-888-4-SONY-PC (1-888-476-6972). (Requires a fax machine or fax software.)
<b>Software Updates</b>	You can download the latest software updates and software patches for your Sony computer by selecting Software Updates on the Sony Computing Support Web site at <a href="http://www.sony.com/pcsupport">http://www.sony.com/pcsupport</a> .
<b>VAIO Computer System Reference Manual</b>	This advanced reference manual supplies detailed technical information about your computer's hardware. This document is available at the Sony Computing Support Web site at <a href="http://www.sony.com/pcsupport">http://www.sony.com/pcsupport</a> .

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