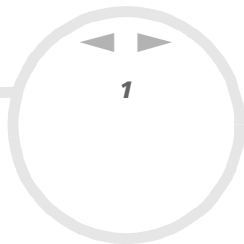# About the software on your Sony Notebook

P C G - C 1 M G P

VAIO

Read this first

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About the software on your Sony notebook
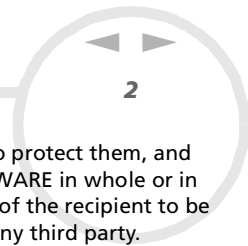
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About the software on your notebook

Your SONY notebook is ready to help you work, play, learn, and communicate as soon as you turn it on. This section gives you an overview of what you can do with the software installed on your notebook.

Sony software

BlueSpace

Sony Electronics

Bluespace is software allowing you to connect to other Bluetooth™ devices.

By using Device Discovery, your Bluetooth™ notebook will identify all other remote devices equipped with Bluetooth™ within the range offered by these devices (this range depends on the "class" of the device). Service Discovery will then show the available services for the Bluetooth™ device you want to connect to. Once an appropriate service is selected, the settings are completed and you are ready to communicate at distance with the other Bluetooth™ device.

DVgate

Sony Electronics

DVgate is a kit of 3 complementary applications: DVgate Motion, DVgate Still, and DVgate Assemble. This collection makes it easy to select and edit digital video clips, then bring them together into a professional-looking home video. Use i.LINK™ to connect your digital video camera, and the computer operates as an editing desk that can capture, preview, cut and assemble your selection and save the sequences in AVI and MPEG1 formats. DVgate Still displays digital video images sent from a digital video cassette recorder or a digital video camera recorder (only possible if you have DV In/Out on your camera), and saves them as graphic files on your hard drive.

ImageStation (plug-in)

Sony Electronics

Sony ImageStation is an easy way to share your digital pictures and videos with family and friends. Use ImageStation with the Smart Capture Premium, PictureGear and MovieShaker software to make the most of your images and movies. When you sign up as a Sony ImageStation member, you can store your pictures and even order prints. Go to the following website to join for FREE:

http://www.imagestation-europe.com

Jog Dial™ Utility

SONY Electronics

The Jog Dial Utility allows you to configure the Jog Dial on your computer. In this application, you can select the SONY applications, or others, that you want the Jog Dial to pilot; you can also configure the Jog Dial to start any application, establish a dial-up connection, or read an e-mail, simply by turning and pressing the Jog Dial. Finally, the Jog Dial Utility allows you to configure your i.LINK™ connections, and to set a Timer that can launch any application at the time you select.

MovieShaker

Sony Electronics

MovieShaker® creates personal movies - complete with transitions, special effects, background music, and text. All you do is import your clips, pick the tune you want and MovieShaker® does the rest. You can also choose to take control and produce your very own movie. You choose the exact clips order, special effects, and transitions. You can also import your own music and MovieShaker® will automatically match the length of the song to the length of your movie.

PictureGear

Sony Electronics

Create your own environment with the Digital Image Library (photos, backgrounds, wallpapers, slide shows, etc). PictureGear is your assistant for creating and implementing personal screen savers... You can even animate your preferred gif files with Gif Animation Tools, or play back movies in a variety of formats. You can also create albums from your favourite images and upload them to a Web page.

PictureToy

Sony Electronics

PictureToy is Sony's drawing application, using a highly accurate pen tool. As well as drawing from scratch, you can edit images using over 70 images. Adding spectacles and flowers to pictures is just as much fun as it sounds!

PowerPanel

Sony Electronics

The PowerPanel utility controls the power management of your notebook and provides key information about system activity and battery life. Automatic power management selects the most appropriate profile, depending on the application you are working with and the conditions of use.

Smart Capture Premium

Sony Electronics

Use the built-in Motion Eye camera of your computer to shoot still images and video clips, which you can view or send by e-mail. The Smart Capture Premium Finder displays images from the camera and allows you to adjust the settings or create effects. Smart Capture Premium enables you to capture images via i.LINK™ compatible devices. The final panorama will be created in ArcSoft Panorama Maker, using the individual snapshots made in Smart Capture Premium.

SonicStage

Sony Electronics

SonicStage uses the copyright protection technology of OpenMG, developed by Sony Corporation and designed to allow recording and playback of digital music data on a personal computer. Once the data is encrypted and recorded onto the hard disk, SonicStage technology allows it to be played back on the PC but prevents unauthorized distribution. The purpose of SonicStage technology is to create an environment in which larger quantities of high-quality music can be distributed without subsequent unauthorized distribution of the music files.
The SonicStage software encrypts and manages music files either downloaded to a personal computer by using the EMD services or adopted (or created) from your own CD or the Internet.

Sony Notebook Setup

Sony Electronics

Use Sony Notebook Setup to consult system information, specify preferences for system behavior, and set up a power-on password for your Sony notebook.

UI Design Selector

Sony Electronics

You can change the window design of the Sony software compatible with UI Design Selector.

VisualFlow

Sony Electronics

VisualFlow allows you to browse interactively through the contents of your Memory Sticks™ (optional), your hard drive, or any other drive on your computer. VisualFlow can display Memory Stick™ files in a variety of ways, and allows you to play / display still images, movies or sound files within VisualFlow or with other software.

VisualShare

Sony Electronics

VisualShare is a software designed to allow multiple users to view shared files and to use text or voice to communicate over a network.
First, a user pastes files in a 'stage' (a kind of public bulletin board on the network) and then other users can view the files. Users can freely move files within the stage or save them in a different location.
Using a wireless LAN or Bluetooth™, friends can easily create a network and use VisualShare to swap files, exchange ideas, discuss their digital pictures and so forth.
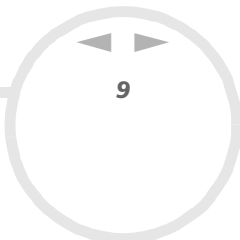
Product Recovery CD-ROMs

Sony Corporation

The Product Recovery CD-ROMs allow you to reinstall the system, the software shipped with your computer and the bundled device drivers if they are corrupted or accidentally erased. Reinstalling an individual device driver may correct a problem you are experiencing with your computer, without you having to recover the entire system.

! You can only use the Recovery CD-ROMs on the Sony notebook you purchased, and not on any other Sony PC or other manufacturer's PC.

Operating system and other pre-installed software

Windows® XP Professional

Microsoft Corporation

Building on the proven Windows® 2000 operating system, Windows® XP Professional delivers a reliable foundation you can count on to keep your computer up and running when you need it most. Not only is the operating system more reliable, it also offers features that make it much faster and easier to recover from system problems.
From its fresh, new look to its more intuitive, task-based design, Windows® XP Professional will make your computing experience easier than it's ever been. With support for the latest security standards and enhanced Firewall protection, Windows® XP Professional also keeps your data secure and maintains your privacy.
For questions and technical assistance, go online to:

http://support.microsoft.com/directory

Internet Explorer 6.0

Microsoft Corporation

Internet Explorer is the Microsoft Internet browser allowing you to surf the World Wide Web. The Setup Wizard configures your computer to connect automatically to your service provider. A full e-mail package enables you to send and receive mail - including attached files - across the Internet. NetMeeting, Outlook Express and Microsoft Chat are just some of the components bundled with Internet Explorer 6.0. Internet Explorer 6.0 also includes 128-bit encryption, the highest possible level of protection for all your Internet communications, including credit card use and financial transactions. A complete online tutorial helps new users become comfortable using the Internet.
For questions and technical assistance, go online to:

http://support.microsoft.com/directory

Adobe® Acrobat® Reader 5.0

Adobe Systems Incorporated

Acrobat® Reader software allows you to view, navigate, and print electronic documents in Adobe Portable Document Format (PDF), an open file format that is intended to preserve the conformity of documents created on all major computer platforms. Once Acrobat® Reader is installed, you can open and view PDF files from within your Web browser by clicking a PDF file embedded in an HTML file. You quickly see the first page while the rest of the document is being downloaded.
For questions and technical assistance, go online to:

http://www.adobe.com

Symantec Norton AntiVirus

Symantec

With Norton AntiVirus, you can scan files, folders, or entire drives for viruses, and quarantine infected files for submission to the Symantec AntiVirus Research Center (SARC). Files submitted to SARC are analyzed and the results are reported automatically within seven days. When you configure Norton AntiVirus adequately, your computer is safe. Norton AntiVirus can automatically check boot records for viruses at system startup, check programs for viruses at the time you use them, scan all local hard drives for viruses once per week, and monitor your computer for any activity that might indicate the work of a virus in action. It can also scan files you download from the Internet and check floppy disks for boot viruses when you use them.
The third time you start your computer, you will be prompted to configure and update the antivirus software. This is normal as new viruses have come out since your VAIO left the factory.
For more information, see the online help files and the website at:

http://www.symantec.com/techsupp

Real Entertainment Center

Real Entertainment Center contains two software programs: RealPlayer and RealJukebox.

RealNetworks - RealPlayer

RealPlayer is the RealNetworks video and audio player, which lets you access 2,500 radio stations featuring music, news and sports.
For further information, see the website at:

http://www.real.com

RealNetworks - RealJukebox

RealJukebox is your personal music management system. RealJukebox lets you build, manage, and play your digital music library on your personal computer.
For further information, see the website at:

http://www.real.com

QuickTime 5.0

Apple

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

For further information, see the website at:

http://www.apple.com/quicktime

Panorama Maker

ArcSoft

Panorama Maker™ 2000 is an easy-to-use image entertainment program that seamlessly stitches multiple photos into a single panoramic picture. It enables you to create eye-catching, large-format panoramas with point-and-click simplicity. You can also view your panoramas from different perspectives.
For further information, see the website at:

http://www.arcsoft.com/products/software/en/panoramamaker2000.html

Discover VAIO Remote Control

VAIO Remote Control is your gateway to the VAIO world. VAIO Remote Control is easy to use and incorporates everything you need to start using your VAIO computer. Launch software applications and go to Sony websites from here in an instant.

✍ The functionalities of the VAIO Remote Control application can only be used if you have administrator rights on your computer. Other users will be able to access the VAIO Remote Control screen, but cannot use it to launch other software applications.

By default, you can find VAIO Remote Control in the **Start** menu, after which you can copy it to your desktop for easy access.

Overview
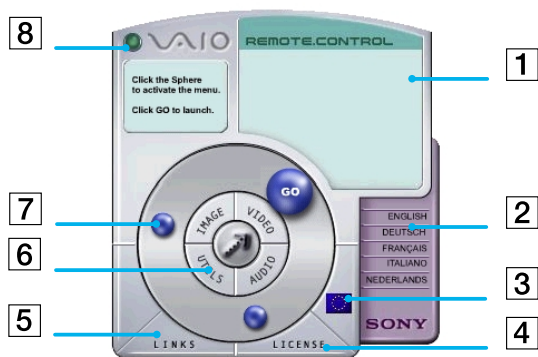
1	Info Box	Contains a brief description of an item when you move the cursor over it.
2	Language options	Click to select your preferred language.
3	Language display	Click to display/hide the language list.
4	License	Click here to view the End User License Agreement in 13 languages.
5	Links	Reveals the links to useful Sony websites.
6	Central Remote Control buttons	Click an application area to reveal the software items. You can access Utilities, Video, Audio and Image software from here.
7	Steering wheel	The spheres in this area represent the applications and useful links.
8	Close	Closes the Remote Control window.

✍ You will need to configure your Internet connection to access the websites.

Launching an application

Follow this simple sequence to launch an application or a website:

1 Move the cursor over the application you want to use or the link you want to see.
The info box displays a description of the item.

2 Click the sphere to start the launch sequence.
The sphere moves closer to the info box and the word **GO** appears.

3 Click **GO** to launch.
For software applications, the program is launched in full-screen.
For links, Internet Explorer is opened and the Sony website is launched.

Using Smart Capture Premium

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

Capturing still images

To capture a still image, proceed as follows :

1 Press the **Capture** button.
Smart Capture Premium starts.
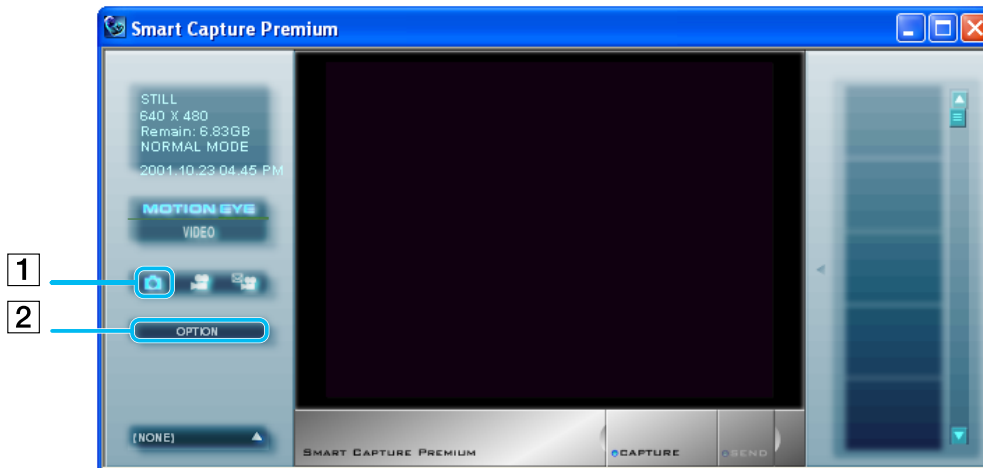
2	Click the camera icon (1) on the left of the window.
Click **OPTION** (2) if you want to change the still image capture settings.
The **Capturing Options** dialog box appears.

3	Click **OK** when you have made the settings.

4	Turn the **Motion Eye** lens towards the subject.

5	Adjust the focus ring located above the **Motion Eye** lens by turning it with your finger.

6	Click the **Capture** button on the computer.
The captured image is displayed on the right of the window.

7	To end **Smart Capture Premium**, click the ❌ button in the top right corner of the window.

✍ Do not touch the camera lens.

Do not point the camera towards the sun. Doing so may cause damage to the camera.

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

When capturing a small resolution image (80 x 60 pixels), the displayed image on the finder window may appear blurred.

Displaying captured images

To display captured images, proceed as follows:

1 From the **Start** menu, select **All Programs / Smart Capture Premium** and click **Smart Capture Premium**.
The images you have captured can be seen on the left of the window.

2 To save or delete an image, right-click the picture.

3 To e-mail an image, press the **SEND** button on the bottom of the window and follow the procedure.

4 To end **Smart Capture Premium,** click the ✖ button.

✍ You can create a panorama picture by using **ArcSoft Panorama Maker**.

You can capture still images and video clips from a digital video camera using **Smart Capture Premium**.

When you run applications used by the built-in camera, set the power management profile in Power Panel to AC Profile or Camera.

If your image is not displayed properly in **Smart Capture Premium**, stop **Smart Capture Premium** and use the **Windows Media Player** software. Click Start in the Windows® taskbar, select **All Programs** and click **Windows Media Player**. Select **File** and click **Open**. Click **My Documents** and then click **Smart Capture Premium**. If you have created a folder to save the image in it, open the folder you have created. Double-click your image. You can now view it correctly.

Sending still images via e-mail

To send still images via e-mail, proceed as follows:

1 Click the **Start** button, point to **All Programs,** then **Smart Capture Premium**.and then again **Smart Capture Premium**.

2 From the captured images you can see at the right of the screen, double-click the still image you want to send via e- mail.
The image appears in the viewer in the middle of the screen.

3 Click **Mail** on the left of the screen.

✍ Click **SEND** on the bottom of the screen.
You need to set up MAPI (Messaging Application Program Interface) when using the e-mail software. MAPI is a Microsoft® Windows program interface that enables you to send e-mails from within a Windows application and to attach the document you are working on to the e-mail note.

Shooting video clips

You can use the MOTION EYE to shoot (capture) video clips, as well as play them or send them via e-mail (if you selected **NET MOVIE** in the **Smart Capture Premium** window).

To capture video clips, proceed as follows:

1 Press the Capture button located on the right of the Jog Dial.
The **Smart Capture Premium** window appears.

2 Click on the small icon with a movie camera on the left of the windo, either the icon with an envelope (Net) or without it (Long).
Make sure the **Motion Eye** button is selected.

3 Adjust using the focus ring located above the lens of your notebook's camera.

4 Turn the MOTION EYE lens towards the subject.

5 Press the **Capture** button to shoot a video clip. You can shoot up to 60 seconds (if you selected **NET MOVIE**).

6 Press the Capture button again when finished.

✍ A gap may appear when a rapid-moving object is displayed.This is not a malfunction.

Capture modes

Three capture modes are supported by **Smart Capture Premium**:

❑ LONG MOVIE Mode
Long movies can be recorded with a high resolution at a high frame rate because they are compressed as they are being recorded.
There is no recording time limit and you can record a maximum of 4 GB, 640x480 pixels.

❑ NET MOVIE Mode
This is for moving images with smaller file sizes that you can send as email attachments or upload to ImageStation.

❑ STILL IMAGE Mode

❑ These are images captured by the camera when you press the Capture button on the computer.
You can add special effects to the images as you capture them.

✍ You can adjust the refresh rate when you select Monitor as the display mode.

Some displays do not support using both the computer's LCD and an external display simultaneously.

To use the Monitor and Monitor/LCD display modes, an external display must be connected to the VGA out connector via a display adapter.

About the software on your Sony notebook

Sending video clips via e-mail

If you shoot a video clip in NET MOVIE mode, you can send it by e-mail.

To send video clips via e-mail, proceed as follows:

1   Click the **Start** button on the **Windows®** taskbar, point to **All Programs**, **Smart Capture Premium**, then click **Smart Capture Premium**.
2   From the captured clips and pictures you see at the right, double-click the video clip you want to send.
3   Click **SEND**.
4   Send the mail.

✍ Before shooting a video clip, you can access the Recording Options by clicking the Options button in the Smart Capture Premium window. This dialog box allows you to choose the compression rate by moving the slider.

Using Bluespace

Your notebook is equipped with the Bluetooth™ wireless technology*. This new technology allows wireless communication over short distances and completely eliminates the need of using cables.
All Bluetooth™ communications are made in conjunction with the **BlueSpace** software.

Communicating with another Bluetooth™ device

With the **BlueSpace** software, you can connect your notebook to a Bluetooth™ device such as another notebook, a mobile phone or a modem station without any cable.
For more details, see the **BlueSpace** online help.

To communicate with another Bluetooth™ device, proceed as follows:

1 Turn on the Bluetooth™ switch at the front of your computer.
2 Click **Start** on the **Windows®** taskbar, then go to **All Programs,** click **BlueSpace** and then again **BlueSpace.**
The **BlueSpace** window appears.
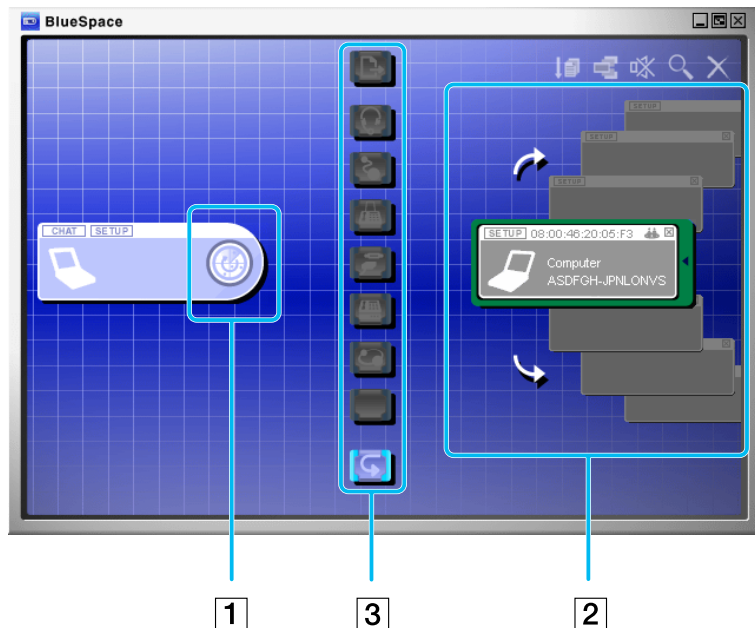
3   Click the **Device Discovery** button (1) in your notebook's panel on the left of the window.

4   Select the remote device. If necessary, click the up or down arrows in the **Remote Bluetooth Device Panel** (2) to make your selection.

5   Click the selected **Remote Bluetooth Device Panel**.
A Service Discovery is started for the remote device that you click. When the Service Discovery is complete, the left and right sides of the service buttons (3) provided by both the local and remote devices) turn on.

6 Click the service button of the device to which you want to connect.
If you click a button whose left and right sides are lit, an **Enter Passkey** dialog box to insert your Passkey is displayed in the remote device.

7 Insert the Passkey on the remote device.
The Passkey has to be the same alphanumeric string for both devices but it can change each time you connect.

8 Insert the Passkey on the local device.
When the connection is established, a connection line appears between the information field of the local device and that of the remote device in the main window.
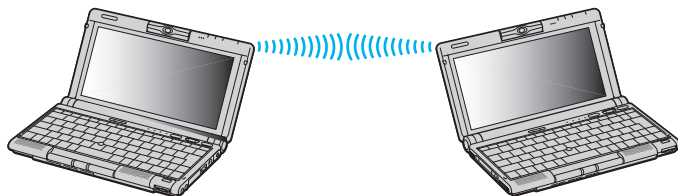
✍ If you select the IP connection service, the connection will take about two minutes to complete.

Do not simultaneously use the Bluetooth™ function and wireless communication devices which use the 2.4 GHz band such as a wireless LAN PC Card.

When using a wireless communication device such as a wireless LAN PC Card, make sure that the Bluetooth™ LED on your notebook is off.

You may not be able to use the Bluetooth™ function if you choose the minimum CPU performance feature in **PowerPanel**. Select another mode. See the **PowerPanel** online help for details.

Stopping the Bluetooth™ connection

To stop the Bluetooth™ connection, proceed as follows:

1 Click the service button of the service from which you wish to disconnect.
2 Click **Yes** in the **Confirm Service Disconnection** dialog box.
3 Turn off the Bluetooth™ switch located at the front of your notebook.
4 Click **Yes** to turn off Bluetooth power.
The Bluetooth™ LED turns off.

Important notice concerning Bluetooth™/BlueSpace

When activating Bluetooth™ for the first time, it will initialize itself. During this initialization, it is possible that you get a **Found New Hardware Wizard**.

Steps to follow when the Found New Hardware Wizard for Bluetooth™ appears

The Bluetooth™ virtual COM may be detected when the Bluetooth™ function is turned on/off. This is the case when the **Found New Hardware Wizard** window appears with the message **This wizard allows you to install the software linked to the detected hardware/ Bluetooth Virtual COM…**

To make sure the Bluetooth™ function works properly after this window appears, proceed as follows:

1 Click the **Next** button in the **Found New Hardware Wizard** window.
2 Click the **Finish** button.
3 If the **Found New Hardware Wizard** window appears again, repeat steps 1 and 2.

Using VisualShare

Using a LAN or Bluetooth™, you can create a network and use VisualShare to swap files, exchange ideas and so forth.

Exchanging data with Bluetooth™

To exchange data with Bluetooth™, proceed as follows:

1 Turn on the **Bluetooth™** switch located at the front of your computer.

2 Connect to the computer(s) you want to exchange data with. For more information, refer to Communicating with another Bluetooth™ device. You must choose the **IP Connection** service or the **LAN Access** service.

3 Click **Start** on the **Windows®** taskbar, then go to **All Programs**. Click **VisualShare** and then again **VisualShare**.
The **VisualShare** window appears.
The computer where **VisualShare** is first started becomes the server. All other computers will be clients. All users can now paste, move, save files on the stage (a kind of public bulletin board on the network).

4   To close the program, just click the ⊠ button on the upper right of the window.

✍ If you drag illustrations, you can really see them on the stage.

Using SonicStage

SonicStage lets you play and record audio CDs and import digital audio files while maintaining the copyright information of the contents. When you record an audio CD with SonicStage, it is encoded in ATRAC3 format onto you computer's hard drive. The imported data can 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.

To open SonicStage,proceed as follows:

1   Click the **Start** button on the **Windows®** taskbar.
2   Point to **All Programs** and then **SonicStage**.
3   Click **SonicStage**.
4   You will be asked to register with CDDB (Compact Disc Database) Music Recognition Service.
5   When you have registered with CDDB, the **Confirm the setup of SonicStage...** dialog box appears. You can set SonicStage as the default application for playing audio CDs by selecting the appropriate checkbox.
6   Click **OK**. The **SonicStage** main window appears.

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.
3	Playlist drop-down list	Displays available playlists and audio files of the current feature tab.
4	File tree view	Displays the folders available on your computer
5	Internet address drop-down list	Displays Internet addresses, if available. You can click the 'Go to URL link' button to immediately connect to web sites.
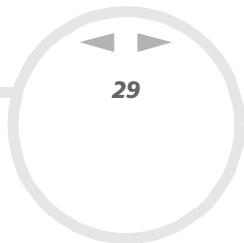
6	File list view	Displays the contents of the folder selected in the file tree view.
7	Tutorial tab	Opens and closes the Tutorial feature.

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

Important note on creating music CDs: Sony recommends the use of SonicStage Ver.1.0 when backing up or creating music CDs. Sony offers no guarantee for creating CDs, an option provided by RealJukebox2 Basic for SONY. There are some CD-ROM drives or drivers that may encounter problems when using this feature. Please visit the RealNetworks web site to get more detailed information regarding this issue. For general support information regarding all RealNetworks products, go to: http://service.real.com/

Customizing your notebook

The following sections briefly describe how to change the main settings of your notebook. You will learn how to use and customize the look of your SONY software and utilities, etc.

Configuring your modem

Before you can start using your internal modem, or each time you use your modem while travelling, make sure that the country of the active location defined in **Phone and Modem Options** matches the country you are dialling from.

To configure your modem, proceed as follows:

1 Click **Start** and then again **Control Panel**.

2 Click **Switch to Classic View** on the left side and double-click the **Phone and Modem Options** icon. The **Phone and Modem Options** dialog box appears.

3 Make sure the **Dialing Rules** tab is selected.

4 Click the **New** button if you wish to configure your modem or the **Edit** button to change the current configuration.

5 Check the country/region settings, and make sure it matches the place you are dialing from.

6 If you have modified your location settings, click **Apply**, and then click **OK**.

✍ Before applying new country settings, make sure your phone line is disconnected from your VAIO notebook.

Changing your window design

You can change the window design of SONY software compatible with **UI Design Selector**.

To change the window design using UI Design Selector, proceed as follows:

1 Click **Start** and then **Control Panel**.
2 Click **Switch to Classic View** on the left.
3 Double-click **UI Design Selector**.
   The **UI Design Selector** dialog box appears.
4 Click on **<<** or **>>** and select the design you like.
5 Click **Apply**.
   The **UI Design Selector** window design changes, to give you a preview of the design you chose for the SONY software.
6 To try another design, click on **<<** or **>>**.
7 Click **OK**, once you are satisfied with your choice.
   UI Design Selector disappears and changes the window design.

Setting up your notebook

The **Sony Notebook Setup** utility allows you to confirm system information, specify preferences for system behaviour, and set up password protection for your VAIO notebook.

To set up your notebook with Sony Notebook Setup, proceed as follows:

1 Click **Start,** point to **All Programs** then **Sony Notebook Setup** and then again **Sony Notebook Setup**.
The **Sony Notebook Setup** dialog box appears.

2   Select the tab for the item you want to change.

3   Once finished, click **OK**.

4   This dialog box contains the following tabs:

Tab	Description
About This Computer	Displays system information, including memory capacity, serial number, and BIOS version.
Initial Setting	Selects the drive and device order you wish to use for loading the operating system. You can specify the hard drive as well as other drives inserted into your computer. You can change the volume of the sounds while the operating system is loading.
Power On Password*	Sets the password to secure your computer.
Bass Boost	Turns the **Bass Boost** function on/off (only with headphones). You can also check the effect of the **Bass Boost** function by selecting a sound file sample and playing it.

✍ For more information about each option, click **Help** on the **Notebook Setup** screen to display the help file.

* If you use this option, remember the password at all times. If you forget the password, you cannot change this setting anymore.
 And above all, you will not be able to use the computer.

Managing power

The **PowerPanel** utility controls the power management of your notebook and provides key information about system activity and battery life. The automatic power management selects the most advantageous profiles, or lets you customize the profiles you choose, according to your own needs, with the goal of extended battery life.

PowerPanel has the following features:

❑   Automatic Profile Selection (APS) based on the currently active application;

❑   Ability to select special Power Profiles manually from the menu;

❑ Ability to edit and create new profiles;

❑ Ability to display detailed battery information;

❑ CPU performance monitoring tool;

❑ It works in harmony with your Windows settings.

Activating PowerPanel

When you start the computer, the **PowerPanel** icon appears in the system tray by default.

If the computer is running on AC power, you see PowerPanel's **Performance** icon: 🖥️ .

If the computer is running on battery power, you see PowerPanel's **Adaptive** icon: 🖥️ .

To see the CPU state and the current power profile, simply point to the icon.

To select a power profile, right-click the icon.

To change profiles, proceed as follows:

1 Right-click on the **PowerPanel** icon in the system tray and select **Profiles**.

2 In the **Profiles** menu, select a profile.
The appropriate power settings are activated.

✍ When you use the battery pack as power source, your system selects the **Adaptive** power management profile by default. If you select a different power management profile while using battery power, the **Adaptive** profile will automatically be selected the next time you use the battery pack to power your computer.

Activating power management profiles

PowerPanel provides several predefined **power management profiles**. Each profile consists of a group of specific power management settings that are designed to meet specific power management goals, ranging from maximum power management to no power management.

Main preset profiles

Icon	Description
	Maximum Battery Life – Provides power saving features to give you maximum battery life and good performance. It reduces the brightness of the display and puts it into **Standby** mode after a specified time period.
	Ultimate Battery Life - Provides power saving features to give you maximum battery life and good performance.
	Maximum Performance – Provides the best system performance while still conserving power.
	AC Power – The power management state when AC power is in use. PowerPanel automatically loads the AC profile unless you disable this feature.
	Power Management Off – Turns off all power management features such as **Standby** and **Hibernate** modes.

Other preset profiles

Icon	Description
	Word Processing – Optimizes power management with longer timeouts on the hard disk and display screen. You can also establish settings for LCD (Video) Standby, Hard Disk Standby, and Standby to optimize power management for your system.
	Spreadsheet – Reduces the LCD brightness to 'medium', as your software does not require higher performance.
	Presentation – Keeps the display on at all times while it conserves power. This option is ideal for slideshow presentations. You can establish settings for **LCD (Video) Standby**, **Hard Disk Standby**, and **Standby** to optimize power management for your system.
	Communications – Extends battery life by initiating a quick display time-out. You can also establish settings for **LCD (Video) Standby**, **Hard Disk Standby**, and **Standby** to optimize power management for your system.
	Games – Disables the display and the **Hard Disk** timer.
	DVD – Optimizes performance and power requirements for DVD usage.**Camera –** Optimizes performance and power requirements for camera usage.
	Camera – Optimizes performance and power requirements for camera usage.
	Automatic Profile Selection - Analyses the performance of each application you choose and matches the profiles to its needs.

Selecting automatic profiles

A power profile is a set of timer values for a variety of system devices. PowerPanel automatically selects the profile associated with the application you are using and changes profiles as you switch between applications.

Power Management lets your system enter energy saving modes by levelling some energy consuming parameters, such as LCD brightness, or hard disk activity.

To select automatic profiles, proceed as follows:

1   Right-click the **PowerPanel battery status** icon on the taskbar and select **Profiles**.

2   Select **Automatic Profile Selection**.

✍ You can customize the profiles menu to suit your portable computing needs. You can edit the pre-defined **Power Management** settings or create new profiles.

Displaying detailed battery information

You can display detailed information for the battery used in your computer. The following section briefly describes how to display your computer's general battery information.

To display battery information, proceed as follows:

1 Double-click the **PowerPanel** icon in the taskbar.
The **Battery Information** dialog box appears.

2 Select the **Battery** tab.
This tab contains information such as the estimated time to empty and charging time.

Battery icon	Battery status
	discharging
	fully charged
	charging
	no battery

Displaying CPU information

You can also view the level of performance of your notebook with the CPU Controls.
To do so, you just have to hover your cursor over the CPU icon in your taskbar.
There are threepossible icons:

Icon	*Action*
Performance:	This control helps to maximize the CPU clock speed, the computer can then be used at its maximum performance. This will be the default icon when the computer is connected to the mains supply.
Adaptive:	this control automatically selects the CPU optimal clock speed and power voltage according to the state in which the computer is used. This will be the default icon when the computer is disconnected from the mains supply, using the battery.
Battery Life:	this control helps to reduce the notebook's power consumption by decreasing the CPU clock speed and the power voltage. This icon will only appear if you have modified the settings using the **Profile Editor**.

Editing a power profile

To edit the power management settings of a power profile, proceed as follows :

1 Right-click the CPU icon in the task tray and select **Edit/Create Profiles** from the menu.
The **Profile Editor** window appears.

2 Click the profile you want to edit on the left of the screen.

3 Double-click the power profile property (CPU Control, Hibernate, Standby…) that you want to modify on the right of the screen.
An option list or a dialog box will appear. Add or define the setting you want to select.

4 Click the **File** menu and then click **Save**.

Creating a power profile

To create a power profile, proceed as follows :

1 Right-click the CPU icon in the task tray and select **Edit/Create Profiles** from the menu.
The **Profile Editor** window appears.

2 Select **New** from the **File** menu.

3 Double-click the power management setting you want to select to display the **Power Management Setting** menu on the right of the window.

4 Select the new power management setting you would like for the device.

5 Click the **File** menu and then click **Save**.

Selecting display modes

This notebook uses the ATI video controller. You can select which display is used when the computer is connected to an external display.

To select a display, proceed as follows:

1 Click the **Start** button and then click **Control Panel**.
The **Control Panel** appears.

2 Click **Appearance and Themes**.

3 Click **Display**.
The **Display Properties** dialog box appears.

4 Click the **Settings** tab.

5 Click the **Advanced** button.
The **Default Monitor and Mobility Radeon Properties** dialog box appears.

6 Click the **Displays** tab to set the display settings.
If you cannot see the screen image on the external display, set the external display to **Primary** .
Select the **Displays** tab and deselect the **Monitor or TV** bottom left button to change it from

Secondary to **Primary**.

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

Turn on the computer after you turned off the peripheral devices.

If you want more information on the ATI video controller, click on the ATI icon in the taskbar and click Help.

Using the dual display function

The dual display function allows you to distribute portions of your desktop across separate displays. For example, if you have an external monitor attached to the monitor connector, your LCD display and the monitor can function as a single desktop. You can move the cursor off one display and onto the other. This allows you to drag objects, such as an open application window or a toolbar, from one display to the other. This configuration of a single desktop distributed across separate displays is referred to as a virtual desktop.

Selecting the dual display mode

To select the dual display mode, proceed as follows:

1   Click the **Start** button on the **Windows®** taskbar.
2   Click **Control Panel**.
3   Click **Appearance and Themes**.
4   Click the **Display** icon.
5   Click the **Settings** tab.
6   Click the display marked '2'.
7   Select the **Extend my Windows desktop onto this monitor** check box.
8   Click **Apply** and then **OK**.

✍ Certain software may not be compatible with dual display settings.

Make sure that your computer does not enter **Standby** or **Hibernate** mode while you are using the dual display mode, otherwise your computer may not return to **Normal** mode.

Your monitor or TV hardware may not support the dual display function.

Setting the colors and resolution for each display

You can set the display colors and resolution for each display that is part of a virtual desktop.

To set the colors and resolution for each display, proceed as follows:

1 Click the **Start** button on the **Windows®** taskbar.
2 Click **Control Panel**.
3 Click Appearance and Themes.
4 Click the **Display** icon.
5 Click the **Settings** tab.
  The **Display Properties** dialog box appears.
6 Click the display you wish to change (1 or 2).
7 Select an option from the **Color quality** list when you want to change colors.
8 Use the slider in the **Screen resolution** to adjust the resolution.
9 Click **Apply** and then **OK**.

✍ If you set different colors on each display, do not divide one single window on two displays, otherwise your software may not work properly. With software using Motion Eye such as Smart Capture Premium, the picture may not be displayed properly. Set fewer colors or a lower resolution for each display.

Customizing the virtual desktop

You can customize the dual display mode by changing the position of the two desktops comprising the virtual desktop.

To customize the virtual desktop, proceed as follows:

1 Click the **Start** button on the **Windows®** taskbar.
2 Click **Control Panel**.
3 Click **Appearance and Themes**.
4 Click the **Display** icon.
5 Click the **Settings** tab.
   The **Display Properties** dialog box appears.
6 Drag the icons of display 1 or display 2, moving them to a new position relatively to each other. The two display icons must be connected to create a virtual desktop.
7 Click **Apply** and then **OK**.

Deactivating the dual display setting

To deactivate the Dual Display function, proceed as follows:

1 Click the **Start** button on the Windows® taskbar.
2 Click **Control Panel**.
3 Click **Appearance and Themes**.
4 Double-click the **Display** icon.
5 Click the **Settings** tab.
6 Click display 2.
7 Deselect the **Extend my Windows desktop onto this monitor** check box.
   This will disable the dual display.

Using the product recovery CD-ROMs

The set of Product Recovery CD-ROMs supplied with your computer allow you to perform a full system recovery, and help you reinstall individual applications or the device drivers manually.

The system recovery process allows you to reinstall an image of the hard disk as it was before you started using your notebook.

Perform a **System Recovery** in the following cases:

❑ In the event of a serious system crash.

❑ If you want to modify the size of your partitions.

Perform an **Application Recovery** if you need to:

❑ Reinstall an individual driver if a device is not functioning properly.

❑ Reinstall an individual application if you have problems running it.

Performing a system recovery

Use this option only when your system is seriously damaged, e.g., if Windows® does not work any longer, or your PC behaves abnormally. The system recovery will completely reinstall the originally configured system on your C: drive. Your D: drive data will not be deleted if you choose to keep the same partition settings. If you decide to modify the size of your partitions, the existing data on both drives (C: and D:) will be deleted.

When performing a system recovery, you can opt for a **Standard Recovery** or an **Advanced Recovery**.

When choosing a **Standard Recovery,** you leave the current partition sizes untouched. When choosing an **Advanced Recovery**, you can adapt the partition sizes.

✍ You can only use these product recovery CD-ROMs on the Sony notebook you purchased and not on any other Sony PC or other manufacturer's PC!

To perform a system recovery, your port replicator should be disconnected.

The recovery process can last up to sixty minutes.

! Applying a system recovery means that you will lose all your data stored on your C: drive (and your D: drive if you modify partition settings).

! Make sure that your computer is connected to AC (not to batteries) before you attempt a system recovery.

! When the recovery is performed, you must remove the recovery CD-ROM from the drive before restarting the computer. If the CD-ROM is still in the drive, you will restart a recovery process.

Performing a standard system recovery

To perform a standard system recovery, proceed as follows:

1 Take the system recovery CD-ROM.
2 Turn on your computer (using AC power only) and insert the system recovery CD-ROM into the DVD-ROM drive.
3 Shut down your computer (**Start/Turn Off Computer/Turn off**).
4 Wait ten seconds.
5 Turn your computer back on.
6 On the first screen that appears, press **S (Standard)**.
The system recovery CD screen appears, asking you if you are really sure you want to continue.
7 Click **Y (Yes)**.
8 You will be asked again whether you are really sure to continue.
9 Confirm.

Performing an advanced system recovery

To perform an advanced system recovery, proceed as follows:

1 Take the system recovery CD-ROM.
**2** Turn on your computer (using AC power only) and insert the system recovery CD-ROM into the DVD-ROM drive.
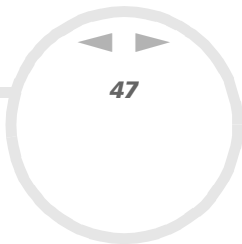
3 Shut down your computer.

4 Wait ten seconds.

5 Turn your computer back on.

6 On the first screen that appears, press **A (Advanced)**.
The system recovery CD screen appears, asking if you wish any changes made to the partitions on your hard disk.
At this stage 3 options are available.

❑ Recovering the system without changing partitions.

❑ Recovering the system with modified partition sizes.

❑ Aborting the recovery process.

Recovering the system without changing partitions

To recover the system without changing partitions, proceed as follows:

1 Press **C** to keep your current partitions.
This is the recommended option if you do not need to modify the partition sizes and if you want to restore your C: drive while keeping the data on your D: drive untouched.

2 Press **G** to proceed with the system recovery.

3 Follow the instructions on the screen.

4 When the recovery process is finished, remove the product recovery CD-ROM from the drive.

5 Press any key to restart your notebook.
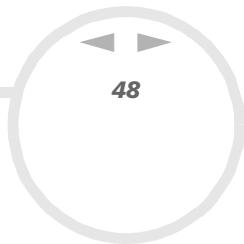
Recovering the system with modified partition sizes

To recover the system with modified partition sizes, proceed as follows:

1 Press **P** to modify partitions on your notebook.
Select this option only if you need to change the sizes of your partitions.

2 On the next screen, press **Y** to confirm the deletion of the current partitions.
The next screen displays a selection of sizes for your new C: drive. According to the option you select, the recovery process will create 1 or 2 partitions on the hard disk.

3 Confirm your selection on the next screen.

4 Wait until the new partitions are created and the notebook reboots.

5 Press **G** to proceed with the system recovery.

6 Follow the instructions on the screen.

7 When the recovery process is finished, remove the product recovery CD-ROM from the drive.

8 Press any key to restart your notebook.

! Please note that this option will delete all existing data both on the C: and D: drives before starting the recovery.

Aborting the recovery process

The recovery process always warns you when the decision you are asked to take cannot be undone. Whenever possible, the recovery screens allow you either to go back to the previous screen, or to abort the recovery process.

Performing an application recovery

The application recovery utility allows you to reinstall individual applications. Reinstalling a program can fix the problems encountered if it does not correctly run anymore.

To perform an application recovery, proceed as follows:

1 Take the **final** product recovery CD-ROM.

2 Turn on your computer (using AC power only) and wait until Windows has booted up.

3 Insert the product recovery CD-ROM into the DVD-ROM drive.

4 Open the drive through **My Computer** and click the **Apps** directory.

5 Open the directory that corresponds to the application you want to recover.

6 Double-click the **Setup** program.

7 Follow the instructions in the **Installer**.

✍ You must run the final product recovery CD-ROM from Windows.

The application does not run from DOS.

When performing an application recovery, you do not lose data on your hard disk.

In most cases, it is advised to uninstall an application before reinstalling it.

Reinstalling a device driver

Some applications or peripherals require specific drivers which you will not find in the Windows® **Driver Cache** folder. To help you find or restore typical drivers needed by your pre-installed applications, you can use the final product recovery CD-ROM.

To reinstall a device driver, proceed as follows:

1 First check whether the driver you want to reinstall is on the **final** product recovery CD-ROM. Only device drivers that are not delivered with Windows® can be found in the **Drivers** folder on your C: drive.

2 Check all underlying sub-directories for the appropriate driver.

3 Next, launch the **Add Hardware Wizard** (click **Start**, point to **Control Panel**, and then double-click **Add Hardware** to install the appropriate device).
If you do not immediately see the **Add Hardware** icon, click **Switch to Classic View** on the left side.

✍ If you installed a more recent driver you will get a warning message, in this case just ignore the warning.

Using partitioned drives

In **My Computer**, you may have noticed the availability of two drives (C: and D:): your hard disk drive comes from the factory with 2 logical partitions: this does not mean that your computer contains two physical hard disks.

When you start using your notebook, your C: drive contains all the files required by Windows and other pre-installed software, while the D: drive comes empty. The D: drive is the ideal storage space for all your documents, especially big ones like digital motion pictures captured with DVgate.

✍ While you can perform a system recovery and change the partition settings in order to have one C: drive only, this option is not recommended for using video editing applications like DVgate.

To optimize data storage, use the C: drive to install new applications, and save all your documents to the D: drive. Moreover, doing so will prevent the loss of your documents in the case you need to perform a system recovery.

Do not try to add, delete, or resize partitions unless you really need to. Changing partition settings might delete all your files on the hard disk.

If you need to perform a system recovery, but do not want to lose all the data stored on your hard disk, copy all the files you want to keep on the D: drive. During the system recovery process, choose to keep the current partition information. Doing so will keep your D: drive unchanged after the recovery process.

If you do need to change the size of your partitions, you can do so by performing a system recovery. In this case, it is important that all data on your hard disk will be deleted. If you need to keep existing files, be sure to back them up before performing the system recovery.