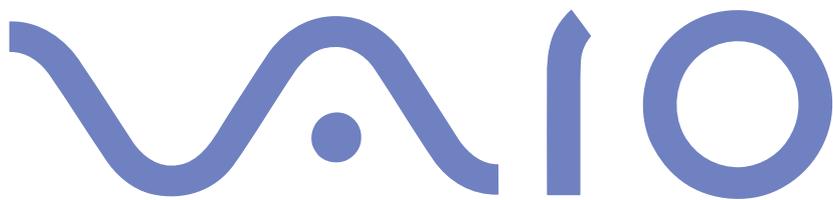
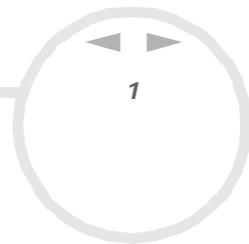


About the software on your Sony notebook

PCG-C1MHP

The WAVIO logo is rendered in a blue, stylized font. The 'W' is formed by a continuous wavy line. The 'A' is a solid blue circle. The 'V' is a solid blue shape with a pointed top. The 'I' is a solid blue vertical bar with a pointed top. The 'O' is a solid blue circle.



Read this first

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Registering your VAIO

It only takes a few moments to register your Sony VAIO computer.

By registering your computer, you can take advantage of Sony's commitment to quality customer support and receive the following benefits:

- ❑ **Club VAIO** – Online support, tutorials, tips and tricks, news, news forums, competitions, free downloads and software updates.
- ❑ **VAIO-Link** – If you are experiencing any problems with your computer, you can check the VAIO-Link website for a possible solution: <http://www.vaio-link.com>.
- ❑ **Guarantee** – Protect your investment. See the **Guarantee** sheet for the terms and conditions and refer to your **Customer Guide** for more information.

To register your Sony VAIO computer, proceed as follows:

- 1 Connect your phone line and set up a modem connection (see **Configuring your modem (page 81)**).
- 2 Double-click the **VAIO Online Registration** icon on the desktop.
- 3 Select your language and click **Next**.
- 4 Select the **Register Now** option button and click **Next**.
You get to the website <https://registration.sonystyle-europe.com/vaio/registration.asp>.
- 5 Fill in your first and last name, the serial number of your computer and the place where you live.
- 6 Click **Submit**.
Your VAIO is registered.



You can only register if you have administrator rights on your computer.

About the software on your computer

Your Sony computer 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 computer.

Sony software

BlueSpace



Sony Electronics

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

By using **Device Discovery**, your Bluetooth™ computer 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.

DigitalPrint



Sony Electronics

DigitalPrint is easy-to-use software designed to help you get the most enjoyment out of your photographs taken with a digital camera or taken from a CD, floppy disk or Memory Stick™. With DigitalPrint, you can easily load photos into your computer, create photo albums, labels and make prints.



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 or MPEG 1 & 2 formats. DVgate Still displays digital video images sent from a digital videocassette recorder or a digital video camera recorder (only possible if you have DV In/Out on your camera or at least a DV Out for DV Gate Still), and saves them as graphic files on your hard drive.

Jog Dial Navigator



Sony Electronics

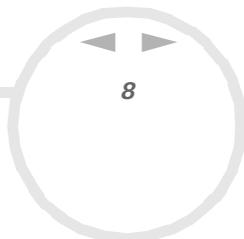
In this application, you can select the Sony applications, or others, that you want the Jog Dial™ to pilot; you can also configure the Jog Dial Navigator to start any application, establish a dial-up connection, or read an e-mail, simply by turning and pressing the Jog Dial™.

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.



PowerPanel



Sony Electronics

The PowerPanel utility controls the power management of your computer 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.

SonicStage



Sony Electronics

SonicStage is software using the OpenMG technology, a copyright protection technology 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.

To use the CD-R functions, you will need to install the CD-R module from the supplied application CD-ROM.



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 computer.

Sony Style Imaging (shortcut on the desktop)



Sony Electronics

Sony Style Imaging is an easy way to share your digital pictures and videos with family and friends. Use Sony Style Imaging with the Smart Capture Premium and MovieShaker software to make the most of your images and movies. When you sign up as a Sony Style Imaging member, you can store your pictures and even order prints.

Go to the following website to join for FREE:

<http://www.sonystyle-imaging.com>

UI Design Selector



Sony Electronics

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

VAIO Edit Components (available on the application CD-ROM)

Designed as a plug-in for Adobe® Premiere®, VAIO Edit Components includes special features to support your i.LINK™-DV devices, so you can produce superior quality home movies even after editing. Now you can control the DV device from your computer, import and edit the movie, and then export it back to the DV device. To be able to use the Sony software VAIO Edit Components, you must first install Adobe® Premiere® version 6.0* on your computer.

* available for purchase.

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 computer 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

Built 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>

Adobe® Photoshop® Elements



Adobe Systems Incorporated

Adobe® Photoshop® Elements software introduces the next generation of image editing with powerful new features that offer something for every user. Delivering the broadest and most productive toolset available, Photoshop® Elements helps you explore your creativity, work at peak efficiency, and achieve the highest quality results across all image media.

For questions and technical assistance, go online to:

<http://www.adobe.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>

RealPlayer



RealNetworks

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>

Symantec Norton AntiVirus (as setup on the hard drive)



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.

You must launch the Norton AntiVirus installation, and you will then be prompted to update the virus definitions. This is normal as new viruses will 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>

WinDVD



InterVideo, Inc.

InterVideo Inc.'s WinDVD is a simple-to-use DVD player. WinDVD combines all the features you would expect to find on a standard consumer DVD player, in addition to some very advanced functionalities, full precision video decoding, a choice of user interfaces, and video display options. You can play DVD movies, interactive DVD titles, MPEG video content, video and audio CDs. WinDVD automatically determines the type of disc in the DVD drive and uses the correct playback method.

For questions and technical assistance, go online to:

<http://www.intervideo.com>

Using Video software

The following video software applications are installed on your VAIO:

- ❑ Using DVgate ([page 16](#))
- ❑ Using MovieShaker ([page 31](#))
- ❑ Using Smart Capture Premium ([page 37](#))

Using DVgate

DVgate is a software application that enables you to capture and then edit images taken with digital video devices (DV devices), such as digital video camera recorders, on your personal computer. It also gives you the ability to output the edited material for recording on a DV device.

With DVgate, you can easily perform image editing with your computer and a DV device.

DVgate consists of 3 applications:

- ❑ **DVgate Motion;**
- ❑ **DVgate Still;**
- ❑ **DVgate Assemble.**



Depending on the computer settings, frames may be lost during video capture and frame duplication when recording edited video. Please make sure you configure your computer according to the recommended settings to prevent this from happening. To configure your computer to use DVgate, refer to the Online help of DVgate.

Using DVgate Motion

With DVgate Motion you can capture video and record edited videos on a DV device.

❑ **Capturing video:**

You can **automatically** or **manually** capture any scene or portion of the images recorded on a DV device, such as a digital video camera recorder. What is more, you can specify the exact scenes that you want to capture while watching the tape playback on the monitor. You can then choose to save the selected scenes as separate files or as one file.

❑ **Recording edited video on a DV device**

You can record the edited video on tape using a DV device, such as a digital video camera recorder*, connected to the computer. With DVgate, you are not limited to recording single clips, but you can record a series of clips on the DV device at one time.

To launch DVgate Motion, proceed as follows:

- 1 Connect the camera to the computer with the i.LINK™ cable and turn on the camera.
- 2 Click **Start, All Programs, DVgate, DVgate Motion. DVgate Motion** and the **Monitor** windows appear.

* The digital video camera recorder must have a DV-IN connector.

Capturing videos

You can automatically or manually import videos onto your computer.

To automatically import videos onto your computer, proceed as follows:

- 1 Launch **DVgate Motion**.
- 2 Click the **down** arrow and select **Import-Auto** from the **Mode** drop-down list. Use the DVgate camera controls buttons to play, rewind or fast forward the tape to the selected time code to begin capturing.



- 3 Press **Play** to start the video.
The video begins to play in the **Monitor** window.
- 4 Click **Mark** to mark the beginning of the first segment.
The first frame of the segment to be captured, is displayed in the **In/Out list** window.
Click **Mark** again to mark the end of the segment to capture.
The last frame of the segment to be captured, is displayed in the **In/Out list** window.
Continue to mark as many segments as you want.
- 5 Click **Capture** to import the selected video segment or click **Capture All** to import them all at once.
The **Save as a file** window appears.
- 6 Select the location to save the file.
- 7 Click the **Save** button.
DVgate captures the segments.
The **Capturing complete** message appears.

- 8 Click **OK** in the **DVgate Motion** window to finish.
Information about the capturing process is displayed in the **Report** window.
 - 9 Click **OK**.
 - 10 Exit DVgate Motion.
The **Dvmotion2** window appears on the screen.
You can then save the **In/Out list**, which allows you to capture the same video sequences later on, or change the In/Out settings.
-  Make sure that the camera is in Video Tape Recorder mode (VTR) when capturing or playing back video from or to a tape.
If you want to manually import video onto your computer, refer to the DVgate online help file.

Recording edited videos on a DV device

To record edited videos on a DV device, proceed as follows:

- 1 Adjust the recording correction values.
- 2 Add files to the Record List.
- 3 Record remotely or manually the video on the DV device.

Adjusting the recording correction values

To ensure accuracy in the recording, you can specify recording correction values. Adjustment of the recording correction values is especially important when performing splice recording. You can choose to specify the values yourself or to have them automatically adjusted by using the automatic calibration feature. The values generated by the automatic calibration feature are usually correct.

To automatically adjust the recording correction values, proceed as follows:

- 1 Launch DVgate Motion.
- 2 Click the **down** arrow and select **Export - Auto** from the **Mode** drop-down list.

- 3 Select **Adjust on Recording...** from the **Settings** menu.
The **Adjust on Recording** dialog box appears.
- 4 Click the **AutoAdjust** button.
DVgate Motion activates the connected DV device and automatically finds the adjustment values.
- 5 Click **OK**.

 To manually adjust the recording correction values, refer to the DVgate online help file.

Adding files to the Record List

To add files to the Record List, proceed as follows:

- 1 Launch **DVgate Motion**.
- 2 Click **Add** in the **DVgate Motion – AVI file list**.
The **Add** dialog box appears.
- 3 Select a file and click **Open**.
The specified file is added and the serial number, first and last images, time code, file length and file name are displayed.

★ DVgateMotion adds all serial numbered files with the same name if you select **Add all divided files saved with the same name**. Serial numbered files are created when you specify to save files as multiple files in DVgate Motion and DVgate Assemble.

 All newly added files are appended to the end of the list.

You can drag multiple files at one time; however, the order in which they are added is unpredictable.

You can record AVI files with different sound modes on a DV device, but about one second of no sound (depending on the DV device) may occur at the point where the sound modes change.

You can only add AVI files using DV Codec as video compression; MPEG files are not supported.

When recording a video sequence, make sure that all images are saved in the same mode. Recording in different modes might cause sound or image distortions during playback. After adding the files you want to the Record List, you can still change the order of the files, add or delete files.

After adding the files to the Record List, you can still change the order of the files, add or delete files.

To change the order of the files in the Record List, proceed as follows:

- 1 Click the file you want to move while holding down the mouse button.
- 2 Drag the file to the appropriate position and then release the mouse button.

To remove a file from the Record List, proceed as follows:

- 1 Click the file you want to remove.

- 2 Click **Delete**.

The removed file is filled by the subsequent file and the files are renumbered.

Click **Delete All** when to remove all files.

 You can select multiple AVI or still picture files from the Record List by clicking them while holding down the <Shift> or <Ctrl> key.

When you move multiple files, they are all moved together.

You can undo changes by choosing **Undo** from the **Edit** menu immediately after inserting, moving or deleting (a) file(s).

You can save a **Record List** for future use. Record List files can only be used in DVgate Motion.

To preview a clip, proceed as follows:

- 1 Select the file you want to preview in the **DVgate Motion – AVI file list** window.
- 2 Click **Preview**.

The **Monitor** window and the **Preview** window appear.

The **Monitor** window shows the first frame of the file.

Click on the **Previous File** button or on the **Next File** button to select the file you want to preview.

Click **Preview All** to preview all the files shown in the list.

 **Previous File** and **Next File** are buttons for moving the preview from one selected file to another. They are not for designed for navigation purposes within the list. Consequently, you cannot click on them when only one file is selected. When you select only one file, **Previous File** and **Next File** do not function.

Recording on the DV device

You can automatically or manually export videos from your computer to a DV device.

To automatically export videos from your computer to a DV device, proceed as follows:

- 1 Connect the camera to the computer with the i.LINK™ cable and turn on the camera.
 - 2 Launch **DVgate Motion**.
 - 3 Click the **down** arrow and select **Export-Auto** from the **Mode** drop-down list.
 - 4 Click the **Add** button in the **DVgate Motion - AVI file list** window and select the video file you want to export.
 - 5 Click **Record** or **Record All**.
The **Output** dialog box appears.
 - 6 Select the **Add blank image** option button.
 - You can add blank frame(s) during recording if you select the **Append** option button in the **Output** dialog box.
Blank frame(s) can be placed in the following locations:
Head: A blank image is placed before the start of the video sequence during recording.
Tail: A blank image is placed after the end of the video sequence during recording.
Both: Blank images are placed before the start and after the end of the video sequence during recording.
 - You can specify the length of a blank image by entering the number of frames in the **Length** box in the **Output** dialog box.
 - 7 Click **OK**.
The **Output** dialog box closes and recording starts.
Video sequences are recorded on the DV device in the order in which they are arranged in the **Record List**.
- ★ Clicking **Record All** will send all the video files shown in the **Record List** to the connected device. Clicking **Record** will send only the video files selected from the **Record List** to the connected device.

 Even if you specify not to add blank frames, several blank frames are always placed at the end of the recorded segment regardless of the settings. This is to prevent image noise from being recorded when recording stops.

Do not quit or log off from Windows[®] while recording. Otherwise, recording will fail.

Disable the screen saver in Windows[®].

Do not start other applications or move any active window while recording.

Recording from the very beginning of the tape may not be successful if you record by controlling the video device through DVgate Motion.

Do not turn the power switch on the digital video camera recorder to **Camera** or turn it off while DVgate Motion is recording. Never switch the input sources when recording on a digital videocassette recorder as this might prevent recording.

If you want to export manually videos from your computer to a DV device, refer to the DVgate online help file.

Using DVgate Still

DVgate Still is an application that displays digital video images sent from DV devices such as a digital videocassette recorder or a digital video camera recorder and that captures them as still pictures.

The following functions are featured:

- Control the connected DV device and display a video image on the screen of your VAIO.
- Capture 30 frames of still pictures in total with respectively 15 frames in the forward and backward directions.
- Capture only one frame of a still picture.
- Save a captured still picture in BMP, JPEG, GIF or DVF format.

 The sound recorded with the image, is not played.

Capturing pictures

There are two capture modes in DVgate Still: the **Continuous Capture** mode and the **Single Frame Capture** mode.

❑ **Continuous Capture mode:**

If you capture pictures during **Play** mode, you can capture 30 frames of still pictures in total with respectively 15 frames in the forward and backward directions. All still pictures already captured, are lost. If you capture during **Pause** mode, you can capture only one frame of a still picture.



Immediately after you capture during **Play** mode in **Continuous Capture** mode, the DV device pauses.

❑ **Single Frame Capture mode:**

You can capture one frame of a still picture. The captured result is the same even if you capture during **Play** or **Pause** mode.



Capturing 30 frames in **Continuous Capture** mode replaces all 30 frames. Capturing only one frame overwrites the first frame of the still picture, capturing the next frame overwrites the second frame, and so on.

To toggle between **Continuous Capture** mode and **Single Frame Capture** mode, proceed as follows:

- 1 Click **Settings** in the DVgate Still window.
- 2 Choose **Capture...**
The **Capture Settings** window appears.
- 3 Select the **Capture frames continuously** option button to capture in **Continuous Capture** mode.
Clear the **Capture frames continuously** option button to capture in **Single Frame Capture** mode.

To capture pictures, proceed as follows:

- 1 Connect the DV device to your computer.
- 2 Launch **DVgate Still (Start/All Programs/DVgate/DVgate Still)**.
The **DVgate Still** window appears.



- 3 Set the DV device to the **Play** or **Pause** mode.
The video image appears in the **Monitor** window.
 - 4 Click the **Capture** button.
The video image in the **Monitor** window is being captured.
-  Dragging the slider in the **Capture** window to the left or right lets you display the still picture before or after the current one.
- ! If you exit DVgate Still without saving the captured still picture, it is cleared.
 - ! Even if you attempt to capture continuous pictures, you may not be able to capture some frames. In this case, exit all applications other than DVgate Still and then retry to capture them.

Saving the captured pictures

You can save the still pictures displayed in the **DVgate Still - Still** window in either one of the following formats: BMP, JPG, GIF or DVF.

To save the captured pictures, proceed as follows:

- 1 Launch **DVgate Still** and capture images.
- 2 In the **DVgate Still - Still** window, select a still picture you want to save.



- 3 Click the **Save** button.
The **Save As** dialog box appears.
Use the **Location to Save** drop-down list to select a folder.
Select a file format from the **File Format** drop-down list.
- 4 Click **Save**.
The captured picture is saved.

Using DVgate Assemble

DVgate Assemble enables you to edit video files and still image files captured with DVgate Motion and DVgate Still. Afterwards you can splice them together to form one single file. You can save the resulting spliced video sequences as AVI, MPEG1, or MPEG2* format files.

To launch DVgate Assemble, proceed as follows:

- 1 Click **Start**.
- 2 Point to **All Programs, DVgate** and then to **DVgate Assemble**.
The **DVgate Assemble** main window appears.

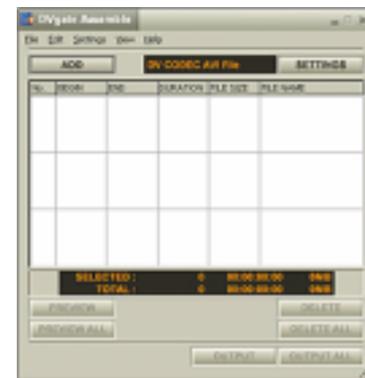
* Depending on your model.

Creating an Assemble List

You can create an **Assemble List** with files you want to splice together. Afterwards you can always edit the Assemble List by changing the order of the files and adding or deleting files.

To add files to an Assemble List, proceed as follows:

- 1 Launch **DVgate Assemble**.
- 2 Click the **Add** button.
The **Add** dialog box appears.
- 3 Choose **AVI file** in the **Files of type** drop-down box.
If you select **Add all divided files saved with the same name**, DVgate Assemble will add all serial numbered files with the same name to the list. Serial numbered files are files that are created when DVgate Motion saves files that are split and applies consecutive numbers to them. The numbers of the split files have 4 digits and increase one unit at a time starting with 0001.
- 4 Select a file and click **Open**.





Imported files are added to the end of the Assemble List.

You can only add video files of the AVI (DV CODEC) format, and still image files of the BMP, JPEG, and GIF formats.

When you add a still image file (BMP, JPEG, or GIF), the number of frames, converted size, and size conversion mode are shown.

You can save an Assemble List for future use. Assemble List files can only be used in DVgate Assemble.

Editing AVI files

You can edit the AVI files in the Assemble List for the exact scenes you want to use. For example, there is no need to recapture files even if you only want to use one particular scene from a longer video sequence originally captured with DVgate Motion. Note that the process of removing the exact scene is only enabled when one AVI file is selected from the Assemble List. However, this command is disabled when more than one file are selected.

To edit the AVI files in the Assemble List for the exact scenes you want to use, proceed as follows:

- 1 Launch **DVgate Assemble**.
- 2 Select the AVI file you want to edit in the **Assemble List**.
- 3 Choose **Edit a clip...** from the **Edit** menu.
The **DVgate Assemble - Clip** dialog box appears.
- 4 Click the **Preview** button.
The video sequence of the selected file is played back.
You can move the playback position to the **Begin** point or the **End** point by clicking the **Begin** or **End** point of the image.
Click the **Begin** button when you see the scene to be used as the **Begin** point.
The **Begin** point image and the time code appear in the lower part of the dialog box.
Click the **End** button when you see the scene to be used as the **End** point.
The **End** point image and the time code appear in the lower part of the dialog box.
- 5 Click **OK**.
The AVI file is edited.

Combining still images with video images

To combine still images with video images, proceed as follows:

- 1 Launch **DVgate Assemble**.
- 2 Select the still image you want to insert from the **Assemble List**.
- 3 Choose **Edit a clip...** from the **Edit** menu in the main window.
The **DVgate Assemble - Clip** dialog box appears.
- 4 Enter the insertion time in seconds or frames.
- 5 Turn the **Wide TV mode** on or off.
- 6 Select the screen size.
- 7 Adjust the height and width of still images when they are output:
 - Full size:** Enlarges the screen size to the full monitor size. The aspect ratio may change with this selection.
 - Original Size:** Retains the original size of the image, without reduction or enlargement.
 - Full size using aspect ratio as saved:** Enlarges the screen size to the maximum without changing the aspect ratio.
- 8 Click **OK**.
The still and video images are combined.

Saving the edited video

To save an edited video sequence, proceed as follows:

- 1 Click the **Output** or the **Output All** button.
The **Save As** dialog box appears.
Information on the output file and the amount of free disk space is shown in the lower part of the **Save As** dialog box.
- 2 Select the location where you want to save the file and type the name of the file in the **File name** text box.
- 3 Click **Save**.
- 4 The **Outputting as an AVI file** dialog box appears and splicing begins.
- 5 The **DVassemble** window appears and displays the **Exporting/Save to an AVI file complete** message. The set time and the size that the file is split into are displayed when outputting an AVI file.
- 6 Click **OK**.
The edited video is saved.

 When you click the **Output** button, only the files on the Assemble List that have been selected, are connected and output as a file. Clicking **Output All** means that all the files on the Assemble List are connected and output.

The file name is the name that was entered in the **Save As** dialog box. A 4-digit serial number is attached to the file name, e.g., test001-0001.avi, then test001-0002.avi, test001-0003.avi.

Using MovieShaker

MovieShaker can be used to create fun and innovative movies without any knowledge of film editing. In a few steps, motion pictures can be combined with special effects, still images (pictures), and music files and then saved in a format most computers can play.

To open MovieShaker, proceed as follows:

- 1 Click the **Start** button on the **Windows®** taskbar.
- 2 Point to **All Programs** and then **MovieShaker**.
- 3 Click **MovieShaker**.



1.	Menu bar	Shows MovieShaker menus.
2.	Monitor panel	<p>Contains the Shake, Capture, and Edit tray. Select a tray by clicking the Shake, Capture, or Edit tab. The Shake tray is for creating a scene of approximately 30 seconds long including background music, using clips on the Clip tray at random.</p> <p>The Capture tray is provided for capturing images directly from the DV device or MICROMV device connected to your computer, and importing them into the Clip tray. The monitor displays the images recorded on the videotapes of the DV device or MICROMV device.</p> <p>The Edit tray is for processing scenes. Click a scene on the Product tray, then it is displayed on the Edit tray. You can add an effect to the scene by dragging the effect from the Effect tray and/or the Text tray and dropping it on the Edit tray.</p>
3.	Tool panel	<p>In the Tool panel, you will find the Effect, Text, Transition, Narration and Index tray. Select a tray by clicking the Effect, Text, Transition, or Narration button. Only when a MICROMV device has been connected to your computer and MICROMV Device has been selected from the Device menu, the Index tray appears while the Capture tray is displayed on the monitor panel.</p> <p>The Effect tray contains various effects to be applied to a scene.</p> <p>The Text tray provides a tool for creating a text effect to be applied to a scene.</p> <p>The Transition tray contains various transition effects to be inserted between scenes.</p> <p>The Narration tray provides a tool for recording narration to be inserted into a movie.</p> <p>The Index tray provides a tool for capturing images from a MICROMV device and imports them into the Clip tray.</p>
4.	Clip tray	<p>The Clip tray is provided for placing clips to be processed with MovieShaker. It can contain a movie file, still image and/or sound files.</p>
5.	Product tray	<p>The Product tray is where you arrange clips to make a movie. In the Product tray, you will find the Storyboard Display and the Timeline Display.</p> <p>On the Storyboard, you can easily arrange scenes and transitions.</p> <p>On the Timeline, you can arrange scenes, transitions, background music, and narration, and make fine adjustments to the starting/ending points and duration of scenes, transitions, background music, and narration.</p>

Importing images and sound clips

Before you can create a movie, you need to import the images and sound clips you want to use in your movie.

To import images and sound clips, proceed as follows:

- 1 Click the **File import** button .
The **Import** dialog box appears.
- 2 Select the file you want to add.
- 3 Click **Open**.
The file is added to the **Clip tray**.

 Importing files over 75 seconds in length may cause MovieShaker to stop responding.

To remove a clip from the Clip tray, drag it from the Clip tray and drop it on the trash icon . This only removes the clip from the tray, the original file is not deleted.

Creating a movie

After adding clip(s) to the **Clip tray**, you can create a short movie using the **Shaker** feature. Shaker randomly selects clips from the **Clip tray** to create a 30-second scene.

To create a movie, proceed as follows:

- 1 Click the **Shake** tab .
 - 2 Select a mood by clicking a face in the **Shaker tray** .
 - 3 Click the **Shake** button .
- A thirty-second scene is automatically generated.

To preview the created movie, proceed as follows:

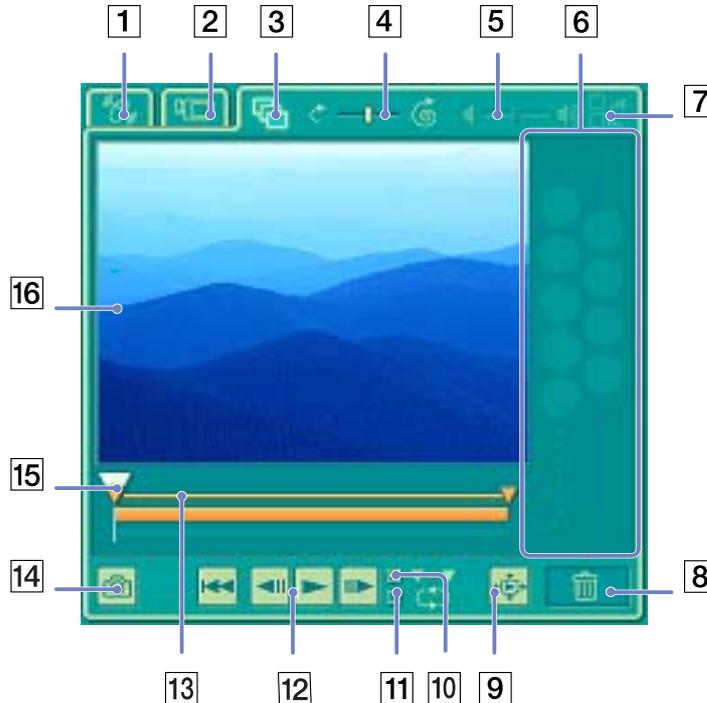
Press **Play** .



- 👉 Scenes created with Shaker begin with a black frame. After processing, they are placed in the first available slot on the Product tray.
Limit the number of scenes in the Product tray to 5 or less.
MovieShaker may stop responding if there are too many scenes in the Product tray.

Editing clips and scenes

You can edit your movie by adding effects and text, adjusting the color and contrast, and modifying the length of the clip.



1.	Shake tab
2.	Capture tab
3.	Edit tab
4.	Speed control slider
5.	Volume control slider
6.	Effect palette
7.	Fade-in, fade-out
8.	Trash
9.	Full-screen preview button
10.	Play trimming range
11.	Repeat-play
12.	Play control buttons
13.	Trimming range
14.	Save as still image button
15.	Time adjustment
16.	Monitor

To edit clips and scenes, proceed as follows:

- 1 Double-click the clip in the **Clip tray** to move it to the **Monitor Panel**.
- 2 Select the **Effect** tab from the **Tool Panel**.
- 3 Drag and drop the effect you want to add from the **Effect tray** to the **Edit tray monitor**.

 To preview an effect, click the effect in the **Effect tray** in the **Working Panel** monitor.

For instructions on adjusting effect duration and replaying clips or scenes, consult the online Help-files.

Saving a movie

You can save or export your final movie products. You can preview and check them before saving them. Your final movie products can be saved as files, exported to a DV device/MICROMV device*.

To save your movie, proceed as follows:

- 1 Click the **Export** button .
The **Export** dialog box appears.
- 2 Select the format in which you want the document to be saved.
- 3 Click **Next**.
- 4 Select the folder in which you want to save the file.
- 5 Name the file.
- 6 Click **Save**.
Your movie is saved.

 Exporting movies may take a long time to complete. Saving movies with DV (Digital Video) will provide better quality than Quick-Save, but will take longer.

MovieShaker can play AVI files up to 65 MB in size.

For DV playback and smooth video playback, the following resolution/refresh rates are recommended: 1024x768/75 Hz or lower.

* Depending on your model.

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.

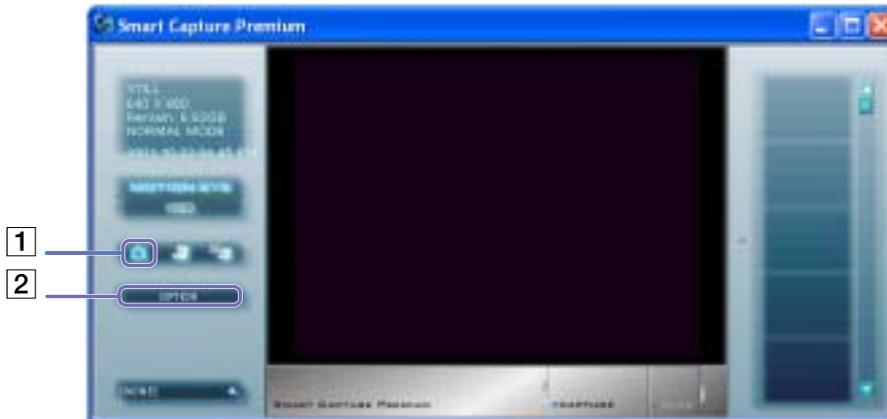
To launch Smart Capture Premium, proceed as follows:

- 1 Click **Start** and point to **All Programs**.
- 2 Select **Smart Capture Premium** and then again **Smart Capture Premium**.
The **Smart Capture Premium** window appears.

Capturing still images

To capture a still image, proceed as follows :

- 1 Launch **Smart Capture Premium**.
The **Smart Capture Premium** window appears.



- 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 Launch **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 end **Smart Capture Premium**, click the  button.

 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 **PowerPanel** 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.

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 Launch **Smart Capture Premium**.
The **Smart Capture Premium** window displays.
- 2 Select the **Motion Eye** button on the left side of the **Smart Capture Premium** window.
- 3 Click the movie camera icon on the left of the window, either the icon with an envelope (**Net Movie**) or without it (**Long Movie**) .
- 4 Adjust using the focus ring located above the lens of your notebook's camera.
- 5 Turn the **MOTION EYE** lens towards the subject.
- 6 Press the **Capture** button to shoot a video clip.
You can shoot up to 60 seconds (if you selected **Net Movie**).
- 7 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.
- ❑ **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.

You cannot switch between modes when you are recording, playing movies or sending images or clips.

Sending still images and video clips via e-mail

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

- 1 Launch **Smart Capture Premium**.
The **Smart Capture Premium** window displays.
- 2 From the captured images you can see at the right of the screen, double-click the still image or video clip you want to send via e-mail.
The image or video clip appears in the viewer in the middle of the screen.
- 3 Click **Mail** on the left of the screen and then 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.

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.

Managing audio files with 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 your 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, WMA 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, SonicStage** and then click **SonicStage**.
- 3 The **Please confirm setup** dialog box appears.
You can set SonicStage as the default application for playing audio CDs by selecting the appropriate check box.
- 4 Click **Yes**.
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.

Recording a CD

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

To record a CD, proceed as follows:

- 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 file format.
- 4 You can select specific tracks on your CD by deselecting the check boxes from the tracks you do not want to record. You can clear all selected tracks by selecting the empty **Select All** check box, and then selecting the tracks you want to record.
- 5 Click the **Rec to Jukebox** button  to begin recording. When the recording is finished, the new playlist appears in the **File** tree view of the **Playlist** window. You can move to this feature view by clicking the **Playlist** tab.



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

You can display the name of the CD and its songs by clicking the **CD Info** button and after registering with CDDb.

Transferring songs (check in/out)

You can transfer songs between the playlists on your **SonicStage** software and external devices or media (for example, Memory Stick™ Walkman, Network Walkman, CD-RW). For more information on using your external devices or media, see the documentation that came with the product.

These instructions are for using the check in/out 1-step method. For information on using the 2-step method, read the **SonicStage** online Help-files.

Checking out songs

Checking out songs means transferring audio files from a computer to an external device (for example, a portable player).

To check out songs, proceed as follows:

- 1 Connect the external device or insert the media (for example, a MagicGate Memory Stick™) 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 playlist containing the song to check out.
The songs in the playlist are shown in the **Playlist view** panel located in the center of the **Transfer** window.
- 4 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 additional songs.
- 5 Click **Check Out** or drag the song to the appropriate position in the song list of the external device or media.
The checking out begins.

 SonicStage does not work with the blue Memory Sticks™. For more information, read the OpenMG manual.

To cancel **Check Out**, click **Stop**, or click **Cancel** in the processing dialog box that is displayed during the **Check Out** process.

Checking in songs

After checking out audio files, you can transfer those files back to an external device or to the hard drive. This is what we call checking in.

The songs that you transfer like this can only be checked in to the hard drive of the same computer from which the songs were checked out.

To check in songs, proceed as follows:

- 1 Connect the external device or insert the MagicGate Memory Stick™ 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 **Check In**, or drag the song(s) to the **Playlist** view panel. If you want to check in all 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.

Additional features

- ❑ **SonicStage Tutorial** – The features of **SonicStage** are described in the Tutorial. The user-friendly interface guides you directly through the **SonicStage** features.
- ❑ **SonicStage Backup Tool** – You can back up and restore all the 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 with 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 multiples songs into a single one, or divide one song into two, by using the **Combine** and **Divide** features.
- ❑ **Simple mode** – The main **SonicStage** window in **Simple mode** is a smaller, compact version of the **Full mode** view. This can be useful when you want to listen to songs with **SonicStage** while using other software, or whenever you feel that **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 appearance of the window. The **Simple mode** feature enables you to perform playback operations only.

Using DigitalPrint

DigitalPrint is designed to help you get the most enjoyment out of your photographs taken with a digital camera.

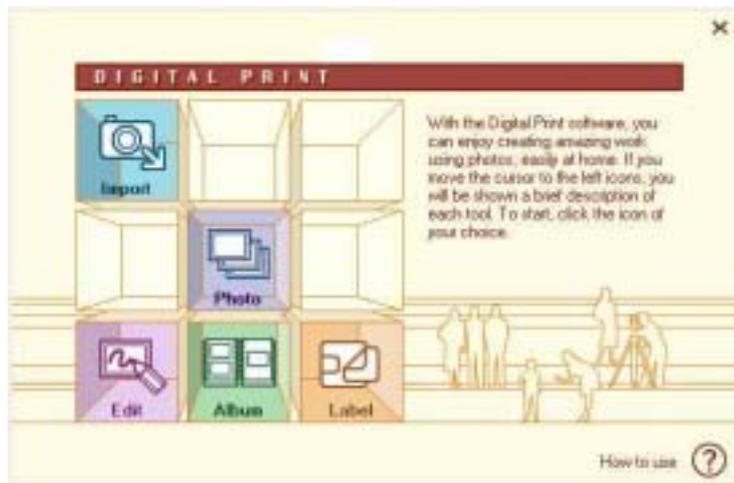
With DigitalPrint, you can easily load photos onto your computer, create photo albums, decorate your photos, print them and even make labels for your favourite storage media.

DigitalPrint includes the following five tools. All these tools can be launched from the DigitalPrint Launcher.

- ❑ **PhotoCapture:** Load photos from a digital camera or a Memory Stick™ onto your computer.
- ❑ **PhotoCollection:** View and print photos that you have loaded onto your computer.
- ❑ **PhotoDecor:** Draw on and add pictures and stamps to photos that you have loaded into your computer.
- ❑ **PhotoAlbum:** Create photo albums using the photos that you have loaded into your computer.
- ❑ **LabelMaker:** Create labels for CDs, MDs, videotapes, etc.

To launch DigitalPrint, proceed as follows:

- 1 In the **Start** menu, select **All Programs, DigitalPrint**, and then **DigitalPrint. DigitalPrint Launcher** appears.



- 2 Click **Import** to launch PhotoCapture or click **Photo** to launch PhotoCollection or click **Edit** to launch PhotoDecor or click **Album** to launch PhotoAlbum or click **Label** to launch LabelMaker.

Importing photos

Use PhotoCapture to load images that are stored on a digital camera or a Memory Stick™ onto your computer.

PhotoCapture can automatically recognize the digital camera or Memory Stick™ that is connected to the computer.

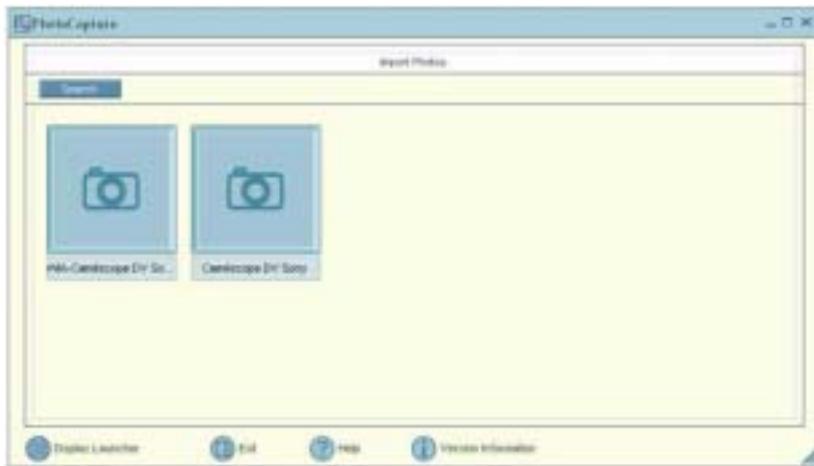
Once photos are loaded into your computer, they can be used to create original works (photo albums and labels) with PhotoAlbum and LabelMaker. You can also print photos with PhotoCollection.

PhotoCapture can load photos from the following digital cameras and storage devices:

- ❑ USB storage class-compatible digital cameras
- ❑ TWAIN-compatible digital cameras
- ❑ Memory Stick™.

To import photos, proceed as follows:

- 1 Connect a digital camera or a Memory Stick™ that contains the images you want to transfer to your computer.
- 2 Open **DigitalPrint Launcher** and simply click the **Import** icon.
You can also launch **PhotoCapture** from the **Start** menu by clicking **All Programs, DigitalPrint, Tool, PhotoCapture**.
The **PhotoCapture** window appears.



- 3 Depending on the device connected to your computer, you can click a Photo folder icon or a camera icon.
- 4 In either case, click the icon to load all the photos of the devices. Enter a name for your photo folder in the **Enter Photo Name** dialog box and click **OK**. The images are loaded into your computer and appear in the **Imported Photos** window. You can now use the pictures for editing, printing, creating CD labels, etc.

Printing photos

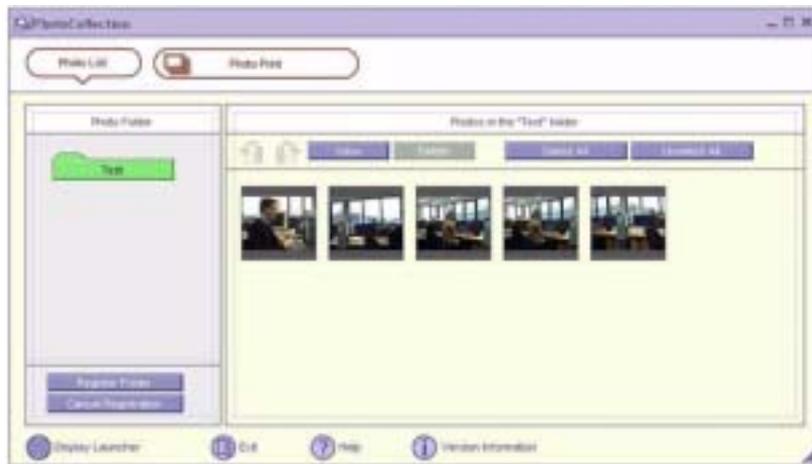
With PhotoCollection, printing photos at home is just as easy as asking your local photo shop to develop your photos or make reprints.

Photos stored in a folder can be printed as a group. Since you can also specify the number of prints to be made of each photo, you only need to run one printing job (instead of printing each photo separately, one at a time), even if you want to give copies to a lot of people.

To print photos, proceed as follows:

- 1 Click the **Photo** icon in the **DigitalPrint Launcher**.
PhotoCollection can also be launched directly from the **Start** menu by selecting **All Programs, DigitalPrint, Tool, PhotoCollection**.
The **PhotoCollection** window appears.
- 2 Click **Register Folder** to register a photo folder (load the photos into the computer) and follow the onscreen instructions or select a folder in which photos are stored and click the **OK** button.
- 3 To print photos from the folder, simply click the **PhotoPrint** button.
You can specify the number of prints and select the paper.

 For more information about the functionalities of PhotoCollection, refer to the online help files.



Decorating photos

PhotoDecor allows you to decorate digital photos by adding lines, graphics, text, and stamps to digital photos.

You can use stamps and a variety of pen patterns to decorate digital photos and create colourful and original works of art through simple operations.

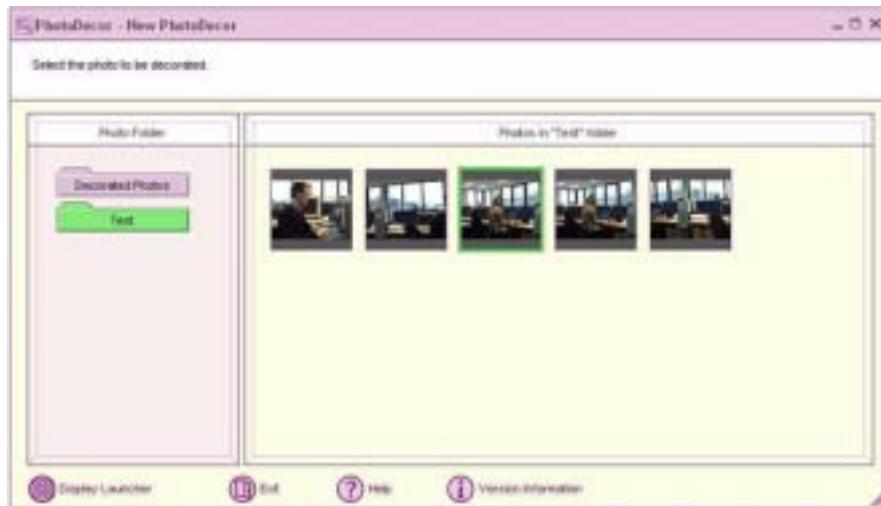
To decorate photos, proceed as follows:

- 1 Open PhotoDecor from the **DigitalPrint Launcher** by clicking the **Edit** icon. You can also launch PhotoDecor directly from the **Start** menu by selecting **All Programs, DigitalPrint, Tool, PhotoDecor**. The **PhotoDecor** window appears.

- 2 Select a photo folder that contains the images you wish to decorate and select one photo.
- 3 Use the **Pen, Auto Shape, Text, Clip Art** or **Stamp Tool Palette** to edit your image.
- 4 Print or save your edited picture by clicking the **Print** or **Save** icon.



For more information on the use of PhotoDecor, refer to the online help.



Creating a photo album

With PhotoAlbum, you can create and print albums of photos taken with a digital camera or photos you have loaded on your computer.

PhotoAlbum is very simple to use. It includes many useful design templates. Use these templates to easily create an attractive album even if you have little design experience.

You can also print your album to create wonderful photo collections, adding a whole new dimension of enjoyment to digital camera photography.

To create an album, proceed as follows:

- 1 Open PhotoAlbum from the **DigitalPrint Launcher** by clicking the **Album** icon. You can also launch PhotoAlbum directly from the **Start** menu by selecting **All Programs, DigitalPrint, Tool, and PhotoAlbum**. The **PhotoAlbum Initial** window appears.
- 2 Click the **Create New Album** button and register a photo folder or select an existing one. You can select all or only some of the photos in the album.
- 3 To select your images, click the **List** button in the photo folder and select the images in the **Photo List** dialog box. Then click the **Create the album with the selected photo(s)** button. The **Select Design** window appears.



- 4 Select a design from the **Select Design** window by clicking it.
The **Select Layout** window appears.
 - 5 Select a photo layout by clicking it.
The album is created and the **album** menu appears.
 - 6 Use the album menu to decorate the existing albums or to print them.
You can either preview the album or change the layout, or design.
-  For more information on the use of PhotoAlbum, refer to the online help.

Creating labels

LabelMaker is an easy-to-use label-making software. Use the design templates to make beautifully designed labels.

To create labels, proceed as follows:

- 1 Open LabelMaker from the **DigitalPrint Launcher** by clicking the **Label** icon.
It is also possible to launch LabelMaker directly from the **Start** menu by selecting **All Programs, DigitalPrint, Tool, LabelMaker**.
The **LabelMaker** window appears.
- 2 In the list on the side of the screen, click the medium for which you want to create a label or edit an existing label (CDs, MDs, VHS cassettes, etc.).
The **Select Paper** window appears.
- 3 Click the paper you wish to use.
The **Select Design** window appears.
- 4 Click the design you wish to use.
The **Song List** (if you selected a music medium like CD or MD) or the **Edit** window appears.
Edit the album and track names in the **Song List** window.
Create a track name list when you are creating a label for a music medium, such as a CD. Then click the **Input to the label** button.
- 5 In the **Edit** window, edit the label by using the **Pen, Auto Shape, Text, Clip Art** or **Image Tool Palette**.
- 6 Save or print your label by clicking the **Save** or **Print** button.





For more information on the use of LabelMaker, refer to the online help.

LabelMaker can be launched and used in conjunction with other Sony applications such as SonicStage.

Using BlueSpace

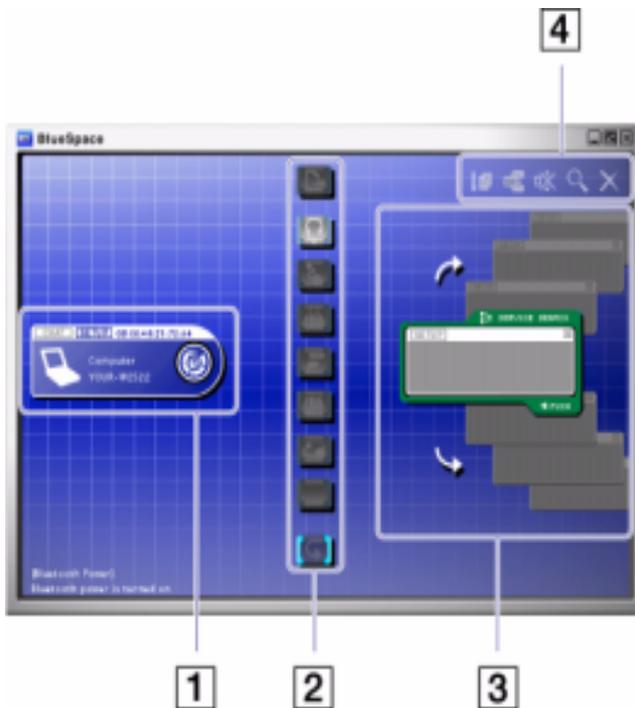
Your notebook is equipped with the Bluetooth™ wireless technology. This new technology allows wireless communication over short distances and completely eliminates the need of using cables. All Bluetooth™ communications are made in conjunction with the **BlueSpace** software.

Launching BlueSpace

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 **BlueSpace** again.
The **BlueSpace** window appears.
OR
Double-click the Bluetooth™ icon  in the taskbar.



1	<p>Local Device Information Area: Displays the information about the local device when Bluetooth™ services are active. Here you can also set the local device and perform Device Discoveries or chat with other computers.</p>
2	<p>Service buttons: These buttons represent the services provided, such as File Push, IP Connection, COM and Modem.</p>
3	<p>Remote Device Information Area: Displays the information about the Bluetooth™ device found during the Device Discovery. The green frame in the centre, the Service Search button, allows you to start Service Discovery for the device you have selected.</p>
4	<p>Bluetooth™ Functions buttons: You can sort , classify , search  for, or delete  the information for connected devices. Here you can turn the sound on or off .</p>

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

- Click the **Next** button in the **Found New Hardware Wizard** window.
- Click the **Finish** button.

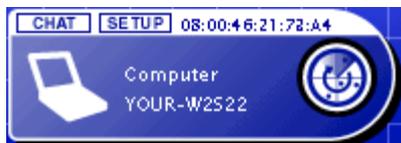
If the **Found New Hardware Wizard** window appears again, repeat steps 1 and 2.

Changing the Bluetooth™ function settings

At any time, you can change the device name of the local device, set how the Device Discovery is performed, and how to respond when a remote device is discovered or a connection request received from another Bluetooth device.

To change the Bluetooth function settings, proceed as follows:

Click the **Setup** button in the **Local Device Information Area**.



In the **Bluetooth Setup** dialog box that appears, there are 5 tabs.



<i>Property</i>	Here you can verify the information about the local device (address, class, code and role) and change the name displayed in the Local Device Information Area (see Launching BlueSpace (page 58)).
<i>Device Discovery</i>	Here you can set the Discovery time and the maximum number of devices to be found with Device Discovery . You can also specify if you want to discover all devices or only specific devices. And finally you can set if you want to search automatically for remote Bluetooth™ devices or if you want to set a time interval.
<i>Service</i>	Here you can register additional COM ports to use for connection and change the settings related to file transmission and chat sessions.
<i>Response</i>	Here you can specify how to respond to Device Discovery requests.
<i>Advanced</i>	Here you can set encryption and master/slave role switch options.

Communicating with another Bluetooth™ device

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

- 1 Launch **BlueSpace**.
- 2 Click the **Device Discovery** button  in the **Local Device Information Area**. The search for remote Bluetooth™ devices begins.
- 3 Select the remote device in the **Remote Device Information Area** by clicking the up or down arrows to make your selection.
- 4 Click **Service Search** in the green frame.
A **Service Discovery** is started for the remote device that you have selected. When the **Service Discovery** is complete, the left and right sides of the service buttons  (the service buttons provided by both the local and remote devices) turn on.
- 5 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 on the remote device.
- 6 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.
- 7 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.

Chatting with other computers

While file transfer is enabled on the computer and the connected device is in the chat mode, you can chat with other Sony computers that support the Bluetooth™ function.

To chat with other computers, proceed as follows:

- 1 Turn on the Bluetooth™ switch at the front of your computer.
- 2 Launch BlueSpace.
- 3 Click the **Chat** button in the **Local Device Information Area**. The chat window is displayed.



- 4 You can always change the icon by clicking the **Select** button. You can select from the existing icons or create a new one (see online Help file).
 - 5 Type a message in the text entry box.
 - 6 Click **Send**.
The chat window closes and the message is sent to the connected computer. When the connected computer receives the message, it is displayed in the chat window of the connected device.
-  You can only chat when the chat icon  is displayed in the **Remote Device Information Area**. If this icon is not displayed, the connected device is not a computer or the device does not support file transmission.

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.



Customizing your computer

The following sections briefly describe how to change the main settings of your computer. Among other things, you will learn how to prepare your modem for use, how to use and customize the look of your Sony software and utilities, etc.

- ❑ Setting up your language ([page 66](#))
- ❑ Setting up your computer with Sony Notebook Setup ([page 68](#))
- ❑ Managing power with PowerPanel ([page 70](#))
- ❑ Selecting display modes ([page 77](#))
- ❑ Using the dual display function ([page 78](#))
- ❑ Configuring your modem ([page 81](#))
- ❑ Changing your windows design with the UI Design Selector program ([page 83](#))
- ❑ Setting a Sony wallpaper ([page 84](#))
- ❑ Selecting a screen saver ([page 85](#))

Setting up your language

It is important that you select the correct keyboard settings during the Windows Setup.

To select the correct keyboard settings during Windows Setup, proceed as follows:

- 1 At first boot, click 2x **Next** in the **Windows XP Setup Wizard** window.
The **Select Your System Settings** dialog box appears.
- 2 Fill in these three questions:
 - I live the closest to this region.
 - I type mostly in this language.
 - I use this type of keyboard.
- 3 In the **End User License Agreement**, accept the License Agreement and click **Next**.
- 4 Continue your Windows setup until it is finished.

You can also change the country and language settings into your language as soon as Windows has been restarted.

To change the country and language settings, proceed as follows:

- 1 Click **Start** and then **Control Panel**.
- 2 In the **Control Panel** window, double-click the **Regional and Language Options** icon.
If you do not see this icon, click **Switch to Classic View** on the left side.
- 3 In the **Regional Options** tab of the **Regional and Language Options** window, select your language from the **Standards and formats** drop-down menu.
- 4 To change the language of the menus and dialog boxes, select the **Languages** tab of the **Regional and Language Options** window.
- 5 Select **your language** from the drop-down list.



- 6 Click **Apply** to apply the changes.
You are prompted to log off and log on again. Only then, the changes to the new language will take effect.
- 7 Click **Start**, and select **Log Off**.
- 8 Click **Log Off** in the **Log Off Windows** window.
If necessary, enter your password to log on again.
All the menus, help files and icons are then displayed in your selected language. However, some parts may remain in English.

Setting up your computer with Sony Notebook Setup

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

To use Sony Notebook Setup, proceed as follows:

- 1 Click the **Start** button on the Windows® taskbar.
- 2 In **All Programs**, select **Sony Notebook Setup** and then click **Sony Notebook Setup**. The **Sony Notebook Setup** window appears.



<i>Tab</i>	<i>Description</i>
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. If you use this option, remember the password at all times. If you forget the password, you cannot change this setting anymore, and you will not be able to start 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.

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

4 Once finished, click **OK**.

The item has been changed.

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

Managing power with PowerPanel

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 other than **Adaptive** while using battery power, this 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

<i>Icon</i>	<i>Description</i>
	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

<i>Icon</i>	<i>Description</i>
	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 leveling 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** window appears.
- 2 Select the **Battery** tab.
This tab contains information such as the estimated time to empty and charging time.

<i>Battery icon</i>	<i>Battery status</i>
	Discharging: the icon is blue.
	Fully charged: the icon is completely blue with an AC power plug.
	Charging: the icon is blue with a red clip attached to the terminal.
	No battery: the icon is blue with a yellow cross over it.

Displaying CPU information

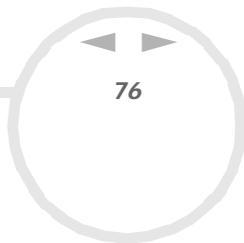
You can also view the level of performance of your notebook with the CPU Controls. To do so, you just have to hover your cursor over the CPU icon in the taskbar. There are three possible icons:

<i>Icon</i>	<i>Action</i>
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 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 appears when you right-click the CPU icon in the taskbar and select Profiles and then Ultimate Battery Life.

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 taskbar 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 taskbar 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 **Sony Notebook LCD 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** .
- 7 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.

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 the **Phone and Modem Options** dialog box matches the country you are dialing from.

You may notice a **Country Selector** tab under your current modem driver options. As the **Country Selector** tab is not a constant feature, do not use this tab to change the country settings. Only the following procedure is reliable.

To change your modem country settings, proceed as follows:

- 1 Click **Start** and then **Control Panel**.
- 2 Double-click **Phone and Modem Options**.
The **Phone and Modem Options** dialog box appears.
If you do not see the **Phone and Modem Options** dialog box, click **Switch to Classic View** on the left side.
- 3 Select your location on the **Dialing Rules** tab.
- 4 Click the **Edit** button to change the current configuration.
The **Edit Location** dialog box appears.
Or
Click the **New** button to configure your modem.
The **New Location** dialog box appears.
- 5 Check the country/region settings, and make sure it matches the place you are dialing from.
- 6 If you modified your location settings, click **Apply**, and then **OK**.
The **Phone and Modem Options** dialog box appears.
- 7 Check that your modem is listed in the **Modems** tab.
If your modem is not listed, click **Add** and follow the wizard.

- 8 Click **Apply/OK**.
Your modem is configured.

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

Updating the modem driver

If you need to update the modem driver for any reason, proceed as follows:

- 1 Click the **Start** button and open **Control Panel**.
The **Control Panel** window appears.
- 2 Click the **Printers and Other Hardware** icon.
The **Printers and Other Hardware** window appears.
- 3 Click the **Phone and Modem Options** icon.
The **Phone and Modem Options** dialog box appears.
- 4 Click the **Modems** tab and then click **Properties** to view the properties of your modem.
The **Modem Properties** dialog box appears.
- 5 On the **Driver** tab, click **Update driver**.
The **Hardware Update Wizard** window appears.
Follow the instructions that appear on your screen. You can perform a Windows search for the driver, or point to the driver's location yourself.

Changing your windows design with the UI Design Selector program

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

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

- 1 Click **Start**, and then **Control Panel**.
If you do not see **UI Design Selector**, click **Switch to Classic View** on the left side.
OR
If you do not see **UI Design Selector**, click **Other Control Panel Options** on the right side.
- 2 Double-click **UI Design Selector**.
The **UI Design Selector** dialog box appears.
- 3 Click << or >> and select the design you like.
- 4 Click **Apply**.
The **UI Design Selector** window design changes, to give you a preview of the design you chose for the Sony software.
- 5 To try another design, click << or >>.
- 6 Click **OK** once you are satisfied with your choice.
The **UI Design Selector** dialog box disappears and changes the window design of Sony software as you selected.

Setting a Sony wallpaper

Your Sony VAIO computer offers you, among many other features, a choice of wallpapers. You can change the wallpaper, the background of your desktop, as many times as you like. There are several VAIO-specific wallpapers to choose from.

To set another VAIO wallpaper, proceed as follows:

- 1 Go to **Control Panel** and select the **Switch to Classic View** option.
Double-click the **Display** icon.
The **Display Properties** dialog box appears.
- 2 Click the **Desktop** tab.
A list of Windows and VAIO wallpapers is displayed.
- 3 Select a wallpaper in the **Background** list.
You can see a preview of this wallpaper in the monitor above the **Background** list.
- 4 Adjust the position of the wallpaper with the **Position** drop-down list.
- 5 Click **Apply** when you have found the appropriate wallpaper.
- 6 Click **OK** to close the **Display Properties** dialog box.
The wallpaper is applied to your computer.



A higher screen resolution reduces the size of items on your screen and increases the relative space on your desktop.

You may not be able to increase the screen resolution above a certain level. Your monitor and video adapters, for example, determine to which extent you can change the resolution.

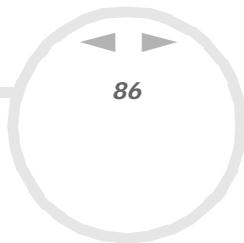
Selecting a screen saver

A screen saver is an animated image that is activated on a computer display when no user activity has been sensed for a certain time. The original purpose of a screen saver was to prevent burn-in (the burning of an image into the phosphor inside the cathode ray tube after hours of the same image being rescanned). In fact, today's CRT display technology makes burn-in unlikely except under extreme conditions.

Your computer comes with built-in screen savers that you can select.

To change the built-in screen saver, proceed as follows:

- 1 Right-click on the desktop.
- 2 Select **Properties**.
The **Display Properties** dialog box appears.
- 3 Select the **Screen Saver** tab.
- 4 In the **Screen saver** drop-down menu, select a screen saver.
When you want to see how the screen saver looks like, click **Preview**.
- 5 Click **Apply** and **OK**.



Installing and updating applications

This section explains how to install, run or uninstall a software. Furthermore, you will learn how to download the latest updates from our website.

- ❑ Installing software ([page 87](#))
- ❑ Changing or removing software ([page 88](#))
- ❑ Uninstalling software ([page 89](#))
- ❑ Downloading software ([page 91](#))

Installing software

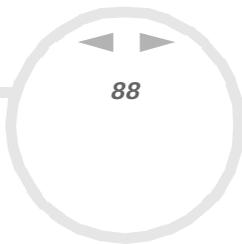
Before installing the applications:

- ❑ Install and connect a hardware device, if necessary (see the **Managing drivers (page 92)** section);
- ❑ Quit all Windows® programs.

To install an application, proceed as follows:

- 1 Click **Start** and then **Control Panel**.
- 2 Open **Add or Remove Programs** in **Control Panel**.
The **Add or Remove Programs** dialog box appears.
- 3 Click **Add New Programs**, and then click **CD or Floppy**.
The **Install Program From Floppy Disk or CD-ROM** window appears.
- 4 Insert the first installation floppy disk or CD-ROM and click **Next**.
The **Run Installation Program** appears.
- 5 Click **Browse...** to find the installation program.
The **Browse** window appears.
- 6 Select the installation program and click **Open**.
The path of the installation program appears in **Open:** text box.
- 7 Click **Finish**.
A **License Agreement** dialog box might appear.
- 8 Read the agreement and click **Yes** to accept.
You are asked to define the location where you want to install the software.
- 9 Click **Browse** to select the folder and click **Next**.
If necessary, select the type of installation you wish and click **Next**.
The software installation begins.
Make sure to select **Yes, I want to restart my computer now** if you are asked to.
- 10 Click **Finish**.
Installation is complete and your computer restarts.

 When using **Add or Remove Programs**, you can only install programs that were written for Windows® operating systems.



Changing or removing software

You can at all times remove or change a software application.

To change or remove a software, proceed as follows:

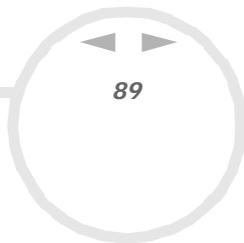
- 1 Click **Start**, click **Control Panel**, and then click **Add or Remove Programs**.
- 2 Select the software you want to change or remove.
 - To change a program, click **Change/Remove** or **Change**.
 - To remove a program, click **Change/Remove** or **Remove**.

! When you click **Change or Remove**, some programs may be removed without any further warning.



You can sort programs by selecting different options in **Sort by**.

Add or Remove Programs will only remove programs that were written for Windows[®] operating systems. For other programs, check the documentation to see if other files (such as .ini files) should be removed.



Uninstalling software

Before proceeding, close the application you want to uninstall.

To uninstall software, proceed as follows:

- 1 From the **Start** menu, click **Control Panel**.
The **Control Panel** window appears.
- 2 Double-click the **Add/Remove Programs** icon.
The **Add/Remove Programs** dialog box appears.
- 3 Select the software you wish to uninstall from the list of currently installed programs, then click **Change/Remove**.
- 4 Select **Remove**, and then click **Next**.
The **Confirm File Deletion** dialog box appears.
- 5 Click **OK**.
If the **Locked file detected** dialog box appears, click **Reboot**. The computer restarts once uninstallation is completed and all previously used files are deleted.
If the **Shared file detected** dialog box appears, it is recommended that you click **No** to keep shared files.
- 6 Click **Close**.
The software is uninstalled.

Caution

Windows® File protection

Installing a program might overwrite shared system files such as **dynamic-link libraries** (DLL files)* and executable files (EXE files). When system files are overwritten, system performance becomes unpredictable, programs behave erratically, and the operating system can fail.

Never delete files with the following extensions: SYS, DLL, OCX, TTF, or FON.

In Windows® XP, **Windows File Protection** prevents the replacement of protected system files such as SYS, DLL, OCX, TTF, FON, and EXE files. **Windows File Protection** runs in the background and protects all files installed by the **Windows Setup** program.

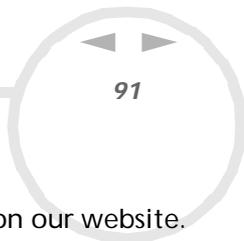
Windows File Protection detects attempts by other programs to replace or move a protected system file. It also checks the file's digital signature.

* This is an operating system feature that allows executable routines (generally serving a specific function or set of functions) to be stored separately as files with DLL extensions. These routines are loaded only when needed by the program that calls them.

File Signature verification

When you install a new application on your computer, you might overwrite system files and device driver files with unsigned or incompatible versions, which provokes system instability.

The system files and device driver files provided with Windows® XP have a Microsoft digital signature, which indicates that the files are original, unaltered system files or that they have been approved by Microsoft® for use with Windows®.



Downloading software

Please note it is possible to download the latest upgrades of software for your computer on our website. Just click the following link to access it: www.vaio-link.com

To download the latest upgrades, proceed as follows:

- 1 Go to www.vaio-link.com and choose your language.
 - 2 Fill in the two codes and click **Enter Site**.
 - 3 Select **Downloads** and follow the procedure.
A list of available downloads appears.
 - 4 Choose the appropriate upgrade and follow the online instructions to download it.
-  To install your application, see the **Installing software (page 87)** section.

Managing drivers

A driver is a software enabling you to use hardware devices. For example, in order for you to be able to use a printer, you must first install its driver. Many drivers, such as the mouse driver, come with the operating system.

This section explains how to install, check, update or uninstall a driver.

The Windows® XP Rollback feature is also explained.

Finally, you will learn how to download the latest drivers from our site.

- ❑ [Installing a driver \(page 93\)](#)
- ❑ [Checking the driver's installation \(page 94\)](#)
- ❑ [Updating a driver \(page 95\)](#)
- ❑ [Uninstalling a driver \(page 96\)](#)
- ❑ [Restoring a driver \(page 97\)](#)
- ❑ [Downloading drivers \(page 99\)](#)

Installing a driver

To install a driver, proceed as follows:

- 1 Insert the application CD-ROM into the CD-ROM drive (or the disk or the CD-ROM accompanying the device you want to configure).
- 2 Connect the device that needs a driver, to your computer.
The **Found New Hardware Wizard** screen appears.
- 3 Select **Specify a location**, then click **Next**.
- 4 When installing a driver from the provided CD-ROM (or disk) by using a CD-ROM (or disk) drive connected to the computer, select the **Drivers** folder on the CD-ROM (or disk) drive.
- 5 When installing a driver after having copied the contents of the provided CD-ROM (or disk) to your hard disk, browse to the appropriate subdirectory containing the driver. The subdirectory should be found in the folder you copied from the CD-ROM (or disk).
- 6 Click **OK** to begin the search procedure.
- 7 Click **Next** to install the driver.
A new window appears when the driver has been installed.
- 8 Click **Finish**.
You may be asked to restart your machine.
- 9 Click **Yes**.
The driver is installed.



To install your device driver, you must be logged on to your computer with an administrator account.

Checking the driver's installation

When the computer restarts, verify that the device is working properly.

To verify the driver's installation, proceed as follows:

- 1 From the **Start** menu, click **Control Panel**.
The **Control Panel** window appears.
- 2 Double-click the **System** icon.
The **System** dialog box appears.
If you do not see the **System** icon, click **Switch to Classic View** on the left side.
- 3 Click the **Hardware** tab, then click **Device Manager**.
- 4 Double-click the option corresponding to the device you installed, then double-click your device.
The **Properties** dialog box appears.
- 5 Make sure that the **This device is working properly** message is displayed under **Device status**.
- 6 Click **OK**.
Close all the opened windows, your device is ready for use.

The device is not working properly in the following cases:

- Your device is shown in **Device Manager** with a yellow question or exclamation mark.
Right-click your device and click **Uninstall**. Then repeat from step 2 in **Installing a driver (page 93)**.
- Double-clicking the category of your device in the device manager list does not display your device.
You have to remove your device. Please refer to **Uninstalling a driver (page 96)** to remove it. Then repeat from step 2 in **Installing a driver (page 93)**.
- Double-clicking **Other devices** displays your device.
You have to right-click your device, then click **Uninstall**. Repeat from step 2 in **Installing a driver (page 93)**.
- If the **This device is working properly** message is not displayed, the device is not working properly.
Click **OK** to close the **Properties** dialog box, then reinstall the driver as follows:

- ❑ Right-click **Uninstall**.
- ❑ When the **Confirm Device Removal** dialog box appears, click **OK**.
- ❑ Click **Yes** and restart the computer.
- ❑ When the computer restarts, repeat from step 2 in **Installing a driver (page 93)**.
- ❑ If your device is not displayed in the **Properties** dialog box, the device is not working properly. Repeat steps 1 through 4 in the previous sections to verify the driver's installation. Click your device, then click **Uninstall** to remove the driver. Click **Yes** to restart the computer. When the computer restarts, repeat from step 2 in **Installing a driver (page 93)**.

Updating a driver

To update the driver, proceed as follows:

- 1 Click **Start** on the taskbar.
- 2 Click **Control Panel**.
- 3 Click the **Printers and Other Hardware** icon.
And then click the device you want to revert.
- 4 On the **Hardware** tab, click **Properties**.
- 5 On the **Driver** tab, click **Update driver**.
- 6 Follow the instructions that appear on your screen. You can have Windows search for the driver, or point to the driver's location yourself.

Or:

- 1 Click **Start** on the taskbar.
- 2 Click **My computer** from the menu.
- 3 Click **View system information** on the left of the window.
- 4 Click the **Hardware** tab, then click **Device Manager**.

- 5 Double-click the option corresponding to the device you installed, then double-click your device. The **Properties** dialog box appears.
- 6 Click the **Driver** tab.
- 7 Click **Update driver**.
The driver is updated.

 To update your device driver, you must be logged on to your computer with an administrator account.

Uninstalling a driver

Leave the device connected to your computer while uninstalling the driver.

To uninstall the driver, proceed as follows:

- 1 Click **Start** on the taskbar.
- 2 Click **Control Panel**.
- 3 Click the **Printers and Other Hardware** icon.
And then click the device you want to revert.
- 4 On the **Hardware** tab, click **Properties**.
- 5 On the **Driver** tab, click **Uninstall**.
- 6 If you are prompted to restart your computer, click **Yes**.
The **Uninstall** button is unavailable if removing the driver would make your device unusable.

Or:

- 1 Click **Start** on the taskbar.
- 2 Click **My computer** from the menu.
- 3 Click **View system information** on the left of the window.
- 4 Click the **Hardware** tab, then click **Device Manager**.

- 5 Double-click the option corresponding to the device you installed, then double-click your device.
The **Properties** dialog box appears.
- 6 Click the **Driver** tab.
- 7 Click **Uninstall**.
The driver is uninstalled.

 To uninstall your device driver, you must be logged on to your computer with an owner account.

Restoring a driver

System Restore is a feature of Microsoft® Windows® XP that restores your computer to a previous state, if a problem occurs, without losing your personal data files.

System Restore monitors changes to the system, and it automatically creates easily identified restore points. These restore points allow you to revert the system to a previous time. They are created daily and at the time of significant system events (such as when an application or driver is installed).

To revert to your previous driver, proceed as follows:

- 1 Open the device that is not working correctly in **Control Panel**.
To open the device:
 - Click **Start** on the taskbar.
 - Click **Control Panel**.
The **Control Panel** window appears
 - Click the **Printers and Other Hardware** icon.
 - And then click the device you want to revert.
- 2 On the **Hardware** tab, click **Properties**.
- 3 Click the **Driver** tab.
- 4 On the **Driver** tab, click **Roll Back Driver**.

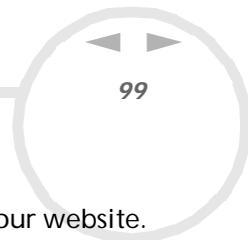
Or:

- 1 Click **Start** on the taskbar.
- 2 Click **My computer** from the menu.
- 3 Click **View system information** on the left of the window.
- 4 Click the **Hardware** tab, then click **Device Manager**.
- 5 Double-click the option corresponding to the device you installed, then double-click your device. The **Properties** dialog box appears.
- 6 Click the **Driver** tab.
- 7 On the **Driver** tab, click **Roll Back Driver**.
You have your previous driver back.

 You must be logged on to your computer with an owner account in order to complete this procedure.

Restoring your computer does not affect or change your personal data files.

For more information about System Restore, see Windows[®] Help.



Downloading drivers

Please note it is possible to download the latest versions of drivers for your computer on our website. Just click the following link to access it: www.vaio-link.com

To download the latest drivers, proceed as follows:

- 1 Go to www.vaio-link.com and choose your language.
When you access the VAIO-Link for the first time, the **Web Disclaimer** appears.
- 2 Fill in the two codes and click **Enter Site**.
- 3 Select **Downloads** and follow the procedure.
A list of available downloads appears.
- 4 Choose the appropriate driver and follow the online instructions to download it.
To install your driver, follow the instructions you downloaded with the driver..



Using the product recovery CD-ROMs

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

- ❑ Perform an **Application Recovery** to:
 - ❑ Reinstall an individual driver if a device is not functioning properly.
 - ❑ Reinstall an individual application if you have problems running it.
- ❑ Perform a **System Recovery** in the following cases:
 - ❑ In the event of a serious system crash.
 - ❑ If you want to modify the size of the hard drive partitions.
- ! You can only use these product recovery CD-ROMs on the Sony computer they came with and not on any other Sony PC or other manufacturer's PC.

- ❑ Performing an application recovery ([page 101](#))
- ❑ Performing a system recovery ([page 103](#))
- ❑ Aborting the system recovery process ([page 108](#))

Performing an application recovery

The final CD in the set of product recovery CD-ROMs contains most of the applications that were preinstalled on your computer. Reinstalling a program from this application CD can fix the problems encountered if it does not run correctly anymore, or if Windows[®] is having a problem running a device.

To perform an application recovery, proceed as follows:

- 1 Turn on your computer (using AC power only) and wait until Windows[®] has booted up.
- 2 Insert the **final** product recovery CD-ROM into the disc drive.
- 3 Open the drive through **My Computer** and open the **Apps** folder.
- 4 Open the folder of the application you want to reinstall.
- 5 Double-click the **Setup** file.
- 6 Follow the instructions in the **Installer**.

 You must run the final product recovery CD-ROM from Windows[®].

The application recovery does not run from DOS.

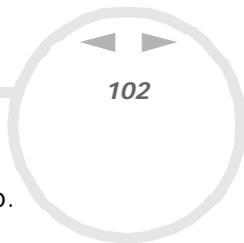
When performing an application recovery, you do not lose any data on your hard disk.

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

Reinstalling a device driver from the application CD

Some applications or peripherals require specific drivers which are not found on the Windows[®] operating system.

The final CD in the set of product recovery CD-ROMs contains the drivers you need for the preinstalled hardware devices. Reinstalling a driver from this CD can fix the problems encountered if Windows[®] is having a problem running a device. For more details on managing drivers, please see **Managing drivers (page 92)**.



To reinstall/update a device driver, proceed as follows:

- 1 Turn on your computer (using AC power only) and wait until Windows[®] has booted up.
- 2 Insert the **final** product recovery CD-ROM into the disc drive.
- 3 Open the drive through **My Computer** and open the **Drivers** folder.
- 4 Check that the driver you require appears in the folder.
- 5 Click **Start** on the taskbar.
- 6 Click **Control Panel, Performance and Maintenance**, then **System**.
- 7 On the **Hardware** tab, select **Device Manager** and double-click the device you want to update.
- 8 On the **Driver** tab click **Update Driver**.
 - Follow the instructions that appear on your screen. You can have Windows[®] search for the driver, or point to the driver's location yourself.

Performing a system recovery

The system recovery process allows you to:

- 1 Reinstall an image of the hard disk as it was before you started using your computer.
In the event that your system is seriously damaged, for example, if Windows[®] does not work as it should, or your PC behaves abnormally, the system recovery will completely reinstall the originally configured system on your C: drive.
- 2 Change the sizes of the two available hard drive partitions, or delete the partitions altogether.
If you decide to modify the size of your partitions, the existing data on both C: drive and D: drive will be deleted (see **Using partitioned drives (page 104)**).

Notes on performing a system recovery

- ❑ The recovery process can last up to sixty minutes, and in this time you will be prompted to change CDs.
- ❑ You can recover only the software bundled to your computer. It does not work for the software you have installed subsequently or the data you have created.
- ❑ This procedure recovers the entire system, which means you cannot choose to only recover Windows[®].
- ❑ Make sure that your computer is connected to the AC power supply (not to the battery) before you attempt a system recovery.
- ❑ When the recovery is performed, you are recommended to remove the recovery CD-ROM from the drive before restarting the computer.
- ❑ Notebooks only: To perform a system recovery, the notebook should not be docked (you must disconnect the docking station*, unless your CD-ROM drive is on the docking station).

* Depending on your model.

Using partitioned drives

In **My Computer** you may have noticed the availability of two drive partitions (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 computer, your C: partition (also referred to as C: drive) contains all the files required by Windows® and other pre-installed software, while the D: drive is empty. The D: drive is the ideal storage space for all your documents and files, especially larger ones like digital motion pictures captured by DVgate.

 Although 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 optimise data storage, use the C: drive to install new applications, and save all your documents and files to the D: drive. Moreover, doing so will prevent the loss of your data in 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 choosing **Option Recovery** in the system recovery set-up process. In this case, it is important to be aware that all data on your hard disk will be deleted. If you need to keep existing files, make sure you back them up before performing the system recovery.

Starting the system recovery procedure

To start the system recovery, proceed as follows:

- 1 Turn on your computer (using AC power only) and insert the first system recovery CD-ROM into the disc drive.
- 2 If you are still able to access Windows[®], shut down your computer (**Start/Turn Off Computer/Turn off**)*.
- 3 Wait 10 seconds then turn the computer back on.
- 4 The system starts to read the CD automatically and you are asked to wait.
- 5 Click **Next** in the window that appears.
- 6 Read the introduction and click **Next**.
You can now choose the nature of the recovery.

* If your system is severely damaged and you can no longer access Windows[®], you will have to turn off the computer by pressing the power button for longer than four seconds. Wait for ten seconds before pressing the button again to turn the power on.

Recovering the system without changing partition sizes

To completely restore the original software, drivers and settings on your computer without changing the partition sizes, choose the first option and apply a Default System Drive Recovery. Performing this recovery means that you will lose all the data stored on your C: drive, but data on your D: drive will remain.

You should allow one hour for the recovery process.

To perform the Default System Drive Recovery, proceed as follows:

- 1 Select the button next to **Default System Drive Recovery (Recommended)**.
- 2 Click **Next**.
You are asked if you are sure you want to recover the system.
- 3 To start the procedure, click **Next**.

- 4 Click **Yes** to confirm.
The recovery process starts.
- 5 When asked to do so, remove the CD and insert the next one.
- 6 When the process is finished, click **OK**.
- 7 Click **Next** in the window that appears.
- 8 Remove the CD from the drive and click **Finish**.
Your system is restored to its initial settings and reboots automatically.

Recovering the system with modified partition sizes

To have the option of changing the partition sizes before completely restoring the original software, drivers and settings on your computer, choose **Option Recovery**.

Changing the partition sizes of the two hard drives means that you will lose all the data stored on both your C: drive and your D: drive.

You should allow one hour for the recovery process.

To perform a recovery with options, proceed as follows:

- 1 Select the button next to **Option Recovery**.
- 2 Click **Next**.
You now have three options:
 - Default System Drive Recovery, (see **Recovering the system without changing partition sizes (page 105)**).
 - Change Partition Size and Recover.
 - Recovery To Originally Shipped State.

Manually changing partition sizes

Choosing **Change Partition Size and Recover** allows you to manually select the size of your C: drive, leaving the remaining gigabytes to the D: drive. Meanwhile, all current partition sizes are deleted, the hard disk is reformatted, and all the original software is restored as with a standard system recovery.

You should allow one hour for this process.

To manually change the partition sizes and perform a system recovery, proceed as follows:

- 1 Select the button next to **Change Partition Size and Recover**.
- 2 Click **Next**.
- 3 In the following screen, set the size of your C: drive in gigabytes, or choose to restore the default size by pressing **Default**.
- 4 Click **Next**.
- 5 Read the summary of the recovery process about to be performed and click **Next** to start the process.
- 6 Click **Yes** to confirm.
- 7 When asked to do so, remove the CD and insert the next one.
- 8 When the process is finished, click **OK**.
- 9 Click **Next** in the window that appears.
- 10 Remove the CD from the drive and click **Finish**.
Your system's settings are changed and your computer reboots automatically.

Resetting the default partition sizes

If you changed the partition sizes since you bought your Sony computer, choosing **Recovery To Originally Shipped State** allows you to reset the hard drive to its original size. Meanwhile, the current partitions are deleted, the hard disk is reformatted, and all the original software is restored as with a standard system recovery.

You should allow one hour for the recovery process.

To restore the default size of the hard drive, proceed as follows:

- 1 Select the button next to **Recovery To Originally Shipped State**.
- 2 Click **Next**.
- 3 Read the summary of the recovery process about to be performed and click **Next** to start the process.
- 4 Click **Yes** to confirm.
- 5 When asked to do so, remove the CD and insert the next one.
- 6 When the process is finished, click **OK**.
- 7 Click **Next** in the window that appears.
- 8 Remove the CD from the drive and click **Finish**.
Your system is restored to its initial settings and reboots automatically.

Aborting the system recovery process

Before the actual recovery process begins, the VAIO System Recovery Utility makes it easy to cancel any settings you may have made. Most screens remind you about the loss of data that will incur and you can either to go back to the previous screen (press **Back**), or abort the recovery setup altogether. To abort, remove the recovery CD, press **Cancel**, and click **Yes** to confirm.

However, once the recovery process has started, canceling the job will delete all the current data on your C: drive. If you have made changes to the partition settings, you will lose all data on both hard drive partitions.



If you do not remove the CD before pressing **Cancel**, the system recovery will start again.