

Thank you for purchasing your Sony VAIO® computer! Your new computer is a superb blend of high technology and easy-to-use functionality. The information provided here is designed to help you to become familiar with the hardware and software applications included with your system.

- View the [Electronic Flyer](#), which provides updates and supplemental information about your computer.
- View the [VAIO® Computer Specifications](#), which lists your computer's hardware specifications and preinstalled software information.

Getting Started

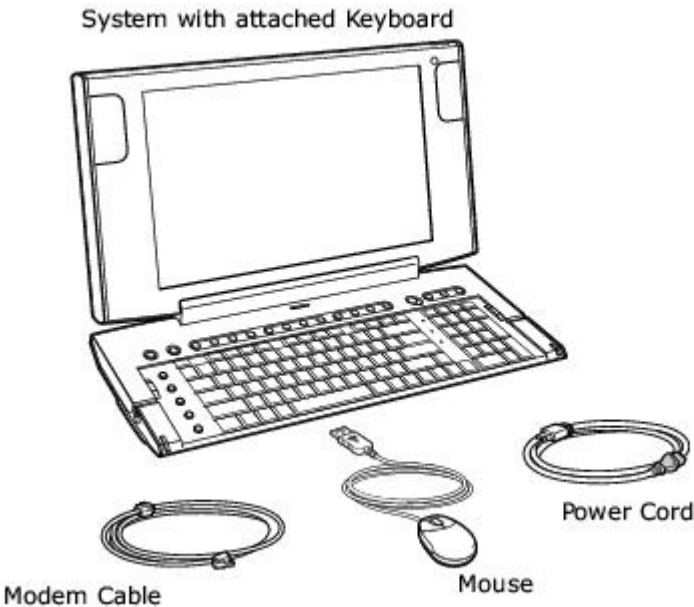
Congratulations on your purchase of the Sony VAIO® computer! Your new, high-performance, multimedia computer combines state-of-the-art computer functionality with the latest audio, video and information technology features.

- [Unpacking your Computer](#)
- [Planning An Ergonomic Work Space](#)

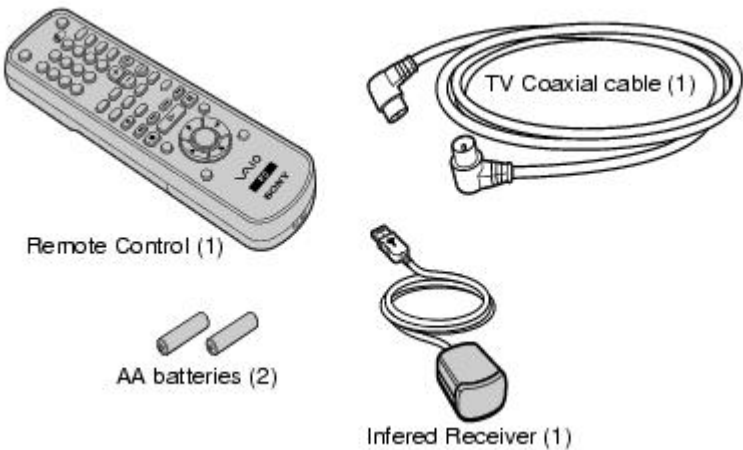
Unpacking your Computer

Your computer may not be supplied with all of the accessories shown, depending on the system configuration you purchased. For details on the accessories supplied with your computer, see the online [Specifications](#) sheet.

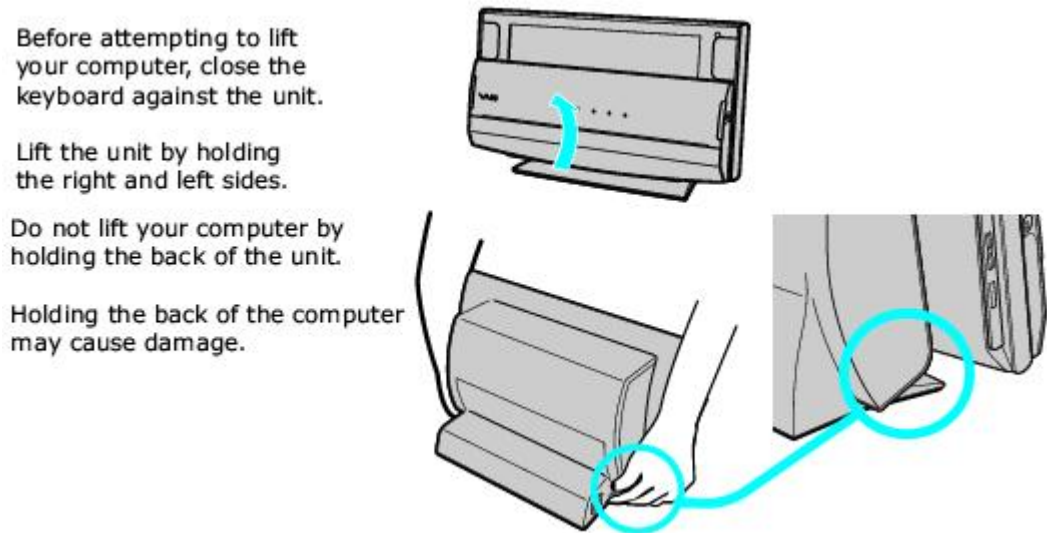
Computer and supplied accessories



Giga Pocket Personal Video Recorder accessories



Handling the system unit



Manuals

- **VAIO® Computer Quick Start** — Provides basic information on setting up and registering your computer. The Quick Start

Start also provides resources for technical support, safety guidelines and owner's information.

- **Microsoft® Windows® XP Guide** — Explains how to use the basic features of the latest Windows operating system.

Online Documentation

- **VAIO® Computer User Guide** — Contains information on the hardware and preinstalled software applications included with your system.

To access the online User Guide:

1. Click **Start** in the Windows taskbar, then click **Help and Support**.
2. From the **VAIO Help and Support Center** menu, click **VAIO User Guide**.

- **Specifications** — This online specifications sheet describes the hardware and software configuration of your VAIO computer. To view this online information:

1. Click **Start** in the Windows taskbar, then click **Help and Support**.
2. From the **VAIO Help and Support Center** menu, click **VAIO User Guide**.
3. Click the **Welcome** link. The Welcome page displays in the right-side frame.
4. Locate the link in the text, "View the [VAIO® Computer Specifications...](#)"

Hard Disk Drive Recovery

Your computer is equipped with a utility program that enables you to recover your computer's operating system and preinstalled software. For more information about hard disk drive recovery:



Your VAIO® computer is not supplied with System or Application Recovery CDs. Use the VAIO Recovery utility to recover your computer's operating system and preinstalled software.

1. Click **Start** in the Windows® taskbar, then click **Help and Support**.
2. From the **VAIO Help and Support Center** menu, click **VAIO Recovery Options**.

Other

Software Library containing the Microsoft software license agreement and Sony end-user license agreement.


Planning An Ergonomic Work Space

Before you set up your new computer, find the best location for your new computer and plan your work space. There are several ergonomic factors to consider when you arrange your work space:

- **Stable work surface** — Use a stable work surface large enough to support the computer and other peripheral equipment.
- **Ventilation** — Leave at least eight inches of space on both sides of your computer and at least 5 inches of clearance for the back.
- **Placement of the mouse and other input devices** — Place your computer, mouse, or other input devices so that your arms and hands are in a relaxed, comfortable position. The computer's keyboard should be directly in front of you. Keep your wrists in a relaxed position when you are using the keyboard—not angled up or down. Position the mouse at the same level as the keyboard. Hold the mouse with a relaxed hand, and use your whole arm to move it. Take breaks during sessions with your computer. Excessive use of the mouse or a joystick may strain muscles or tendons.
- **Furniture and posture** — Sit in a chair with good back support and armrests. Adjust the level of the chair so your feet are flat on the floor. A footrest may make you more comfortable. Sit with relaxed, upright posture—avoid slouching forward or leaning far backward.
- **Viewing angle of the display** — Position the unit so that the display is 18 to 26 inches directly in front of you, with the top of the screen at or a little below eye level. Use the display's tilting feature to find the best position. You can reduce eye strain and muscle fatigue by placing the display in the proper position.
- **Lighting** — Choose a location where windows and lights do not create glare and reflection on the display. Use indirect lighting to avoid bright spots on the display. You can also purchase accessories for your display that help reduce glare. Proper lighting adds to your comfort and work effectiveness.

Locating Controls And Ports

This section is intended to familiarize you with the controls, ports and jacks that are available on your computer. To view the specific hardware configuration for your system, see the online specifications sheet.

 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system, and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

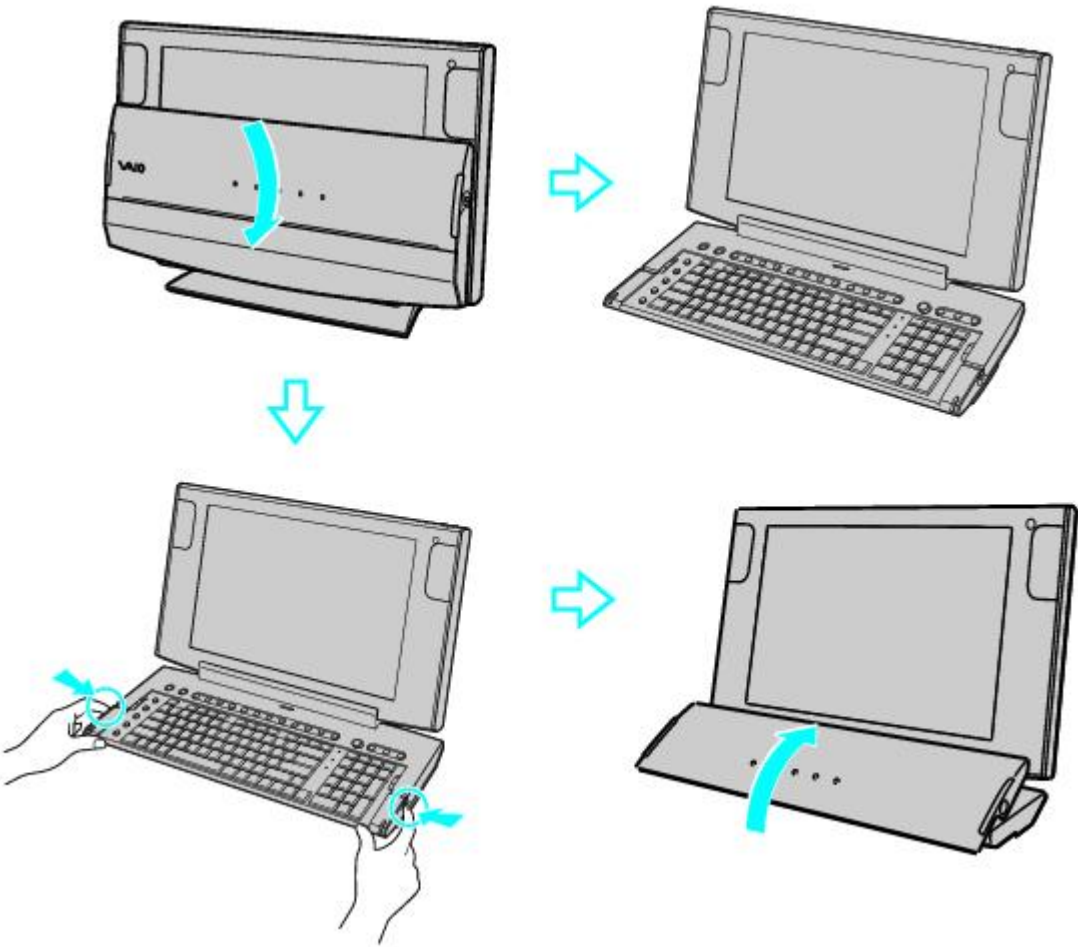
Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK devices to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

- [About the Front Panel](#)
- [About the Side Panels](#)

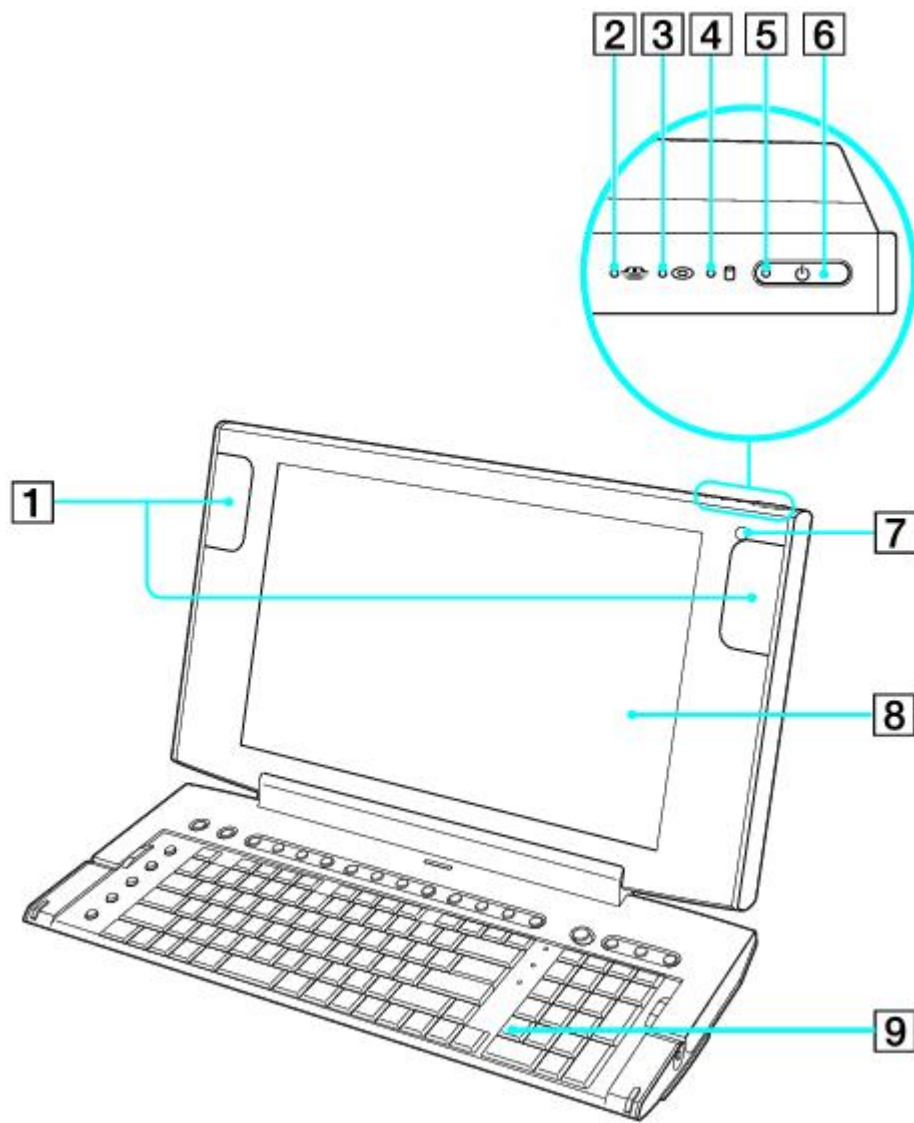
About the Front Panel

The front panel of your VAIO® computer is equipped with built-in stereo speakers and indicator lights. You can access the front panel of your VAIO® computer by lowering the keyboard. When the keyboard is not in use, you can fold it up and use the additional TV, channel, and volume controls.

Handling the System Unit



Front panel (Keyboard open)



1 Stereo speakers (built-in)

The stereo speakers provide sound for software, audio and video CDs.

2 Memory Stick® media access indicator

Light is amber when the Memory Stick media slot is in use.

3 DVD-RW combo drive access indicator

Light is amber while reading and writing data from and to the combo drive.

4 Hard disk drive access indicator

Light is amber while reading and writing data from and to the hard disk.

5 Power indicator

Light is green while the power is on and amber when the computer is in Stand by mode.

6 Power button

Turns the computer on and off.

7 Infrared receiver

Communicates with the remote control (supplied), to turn on TV, change TV channels, and raise or lower volume.

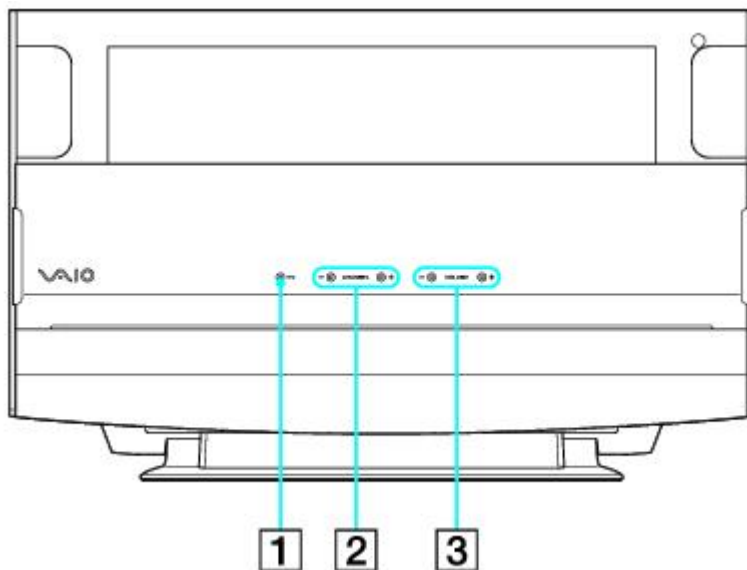
8 Liquid Crystal Display (LCD) screen

The attached LCD screen provides on-screen visual output to your computer's functional capabilities.

9 Keyboard with Shortcut keys (S keys)

The attached keyboard uses a standard key arrangement, along with programmable function keys that launch specific applications.

Front panel (Keyboard folded)



1 TV On button

Press to start the Giga Pocket Video Recorder software.

2 Channel +/-

Press to change the channel, when TV programming is displayed.

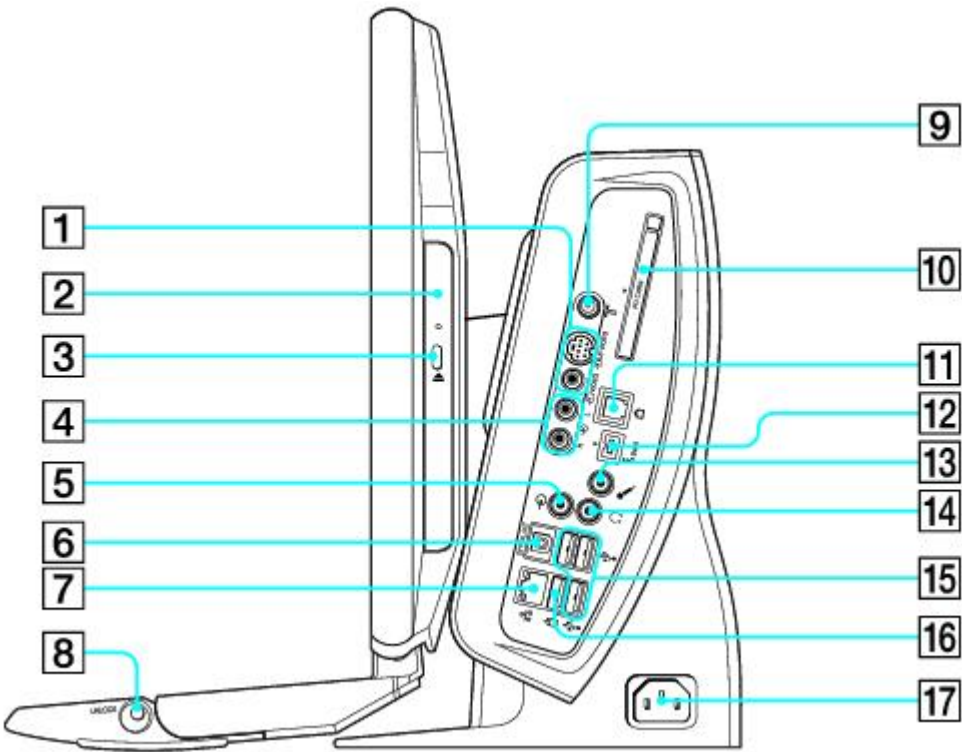
3 Volume +/-

Press to increase or decrease computer speaker volume.

About the Side Panels

The side panels of your computer contain the connections for supplied and optional accessories. The icons on the side panels help to locate and identify the connections on your computer.

Right panel



1 S-video In jack

Connection for an S-video cable (optional).

Composite video In jack

Connection for a digital video or stereo A/V dubbing cable (optional).

2 DVD-RW drive

Reads data from compatible CD or DVD media. Writes data to a DVD-RW, DVD-R, CD-RW, or CD-R media.

3 DVD-RW drive eject button

Ejects a disc from the drive.

4 Composite audio L In jack

Connection for an audio or stereo dubbing cable (optional).

Composite audio R In jack

Connection for an audio or stereo dubbing cable (optional).

5 Line In jack

Connection for an audio device.

6 S/P DIF Optical Out port

Connection for a digital audio or optical device.

7 Ethernet port

Connection for a 10BASE-T/100BASE-TX Ethernet.

(The port marked with  (Network) is for LAN connections only.)

8 Unlock button

Unlocks the keyboard for folding towards system unit.

9 VHF/UHF port

Connection for a TV coaxial cable (supplied).

10 PC Card slot

A PC Card (PCMCIA Card) can be inserted into this slot to increase your computer's functional capabilities.

11 Modem line jack

Connection for the modem cable (supplied) to the wall jack.¹

12 i.LINK 4-pin S400 port

Connection for i.LINK compatible digital devices (IEEE 1394).

13 Microphone jack

Connection for a microphone (optional).

14 Headphones jack

Connection for optional speakers or headphones.

15 Universal Serial Bus (USB 2.0) ports (3)

Connections for compatible high/full/low-speed USB devices.

16 Universal Serial Bus (USB 2.0) port

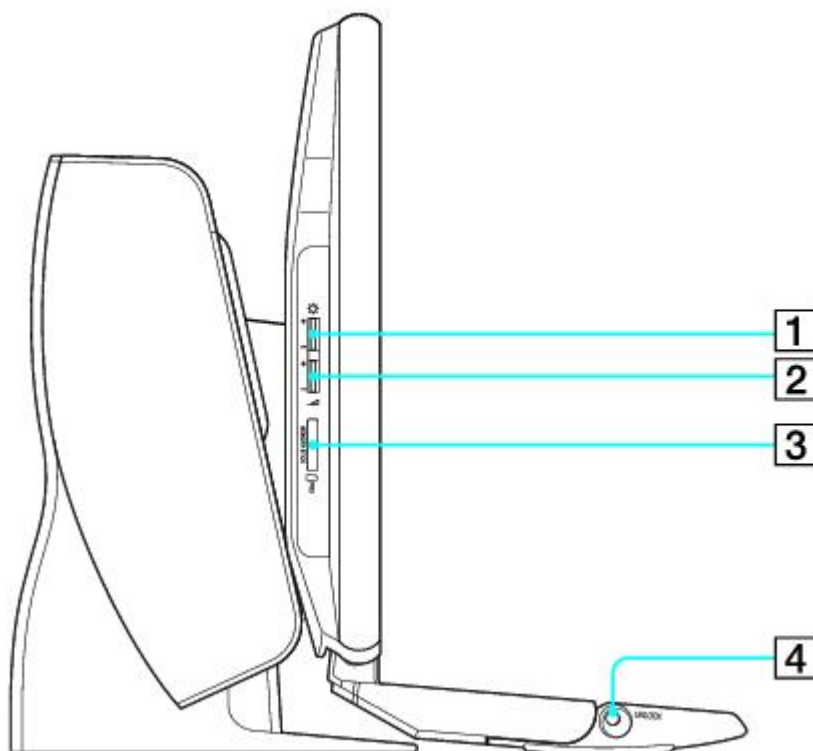
Connection for a USB optical mouse (supplied).

17 AC Input port

Connection for the supplied power cord.

¹ A splitter device (optional) is required to connect a telephone and modem line to your computer.

Left panel



1 Brightness control dial

Adjusts the contrast and brightness of the built-in LCD monitor.

2 Volume control dial

Increases or decreases the speaker volume.

3 Memory Stick® media slot

Reads and writes data from a Memory Stick media.

4 Unlock button

Unlocks the keyboard for folding towards system unit.

Setting Up Your Computer

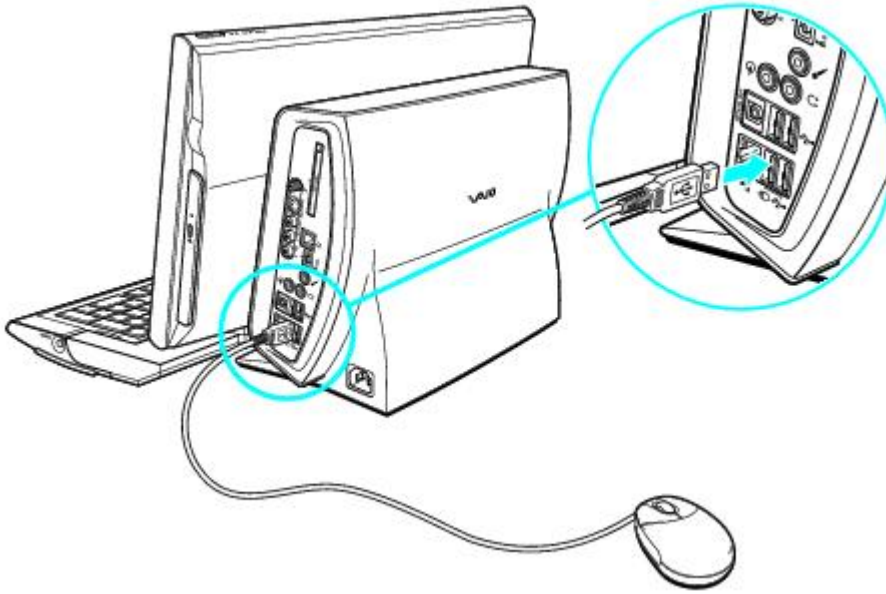
You can set up your system quickly and easily with the instructions provided in this section. For details on your system's hardware configuration, see the online specifications sheet.

- [Connecting a USB Optical Mouse](#)
- [Connecting the Modem Cable](#)
- [Connecting the Power Cord](#)
- [Turning on Your Computer](#)
- [Registering your Computer](#)

Connecting a USB Optical Mouse

1. Plug the USB optical mouse connector into the USB mouse port, located on the right panel of your computer.
2. Place the optical mouse on an appropriate surface to enable precision tracking.

To connect a USB mouse



To use an optical mouse

An optical mouse requires an ideal surface texture in order to provide precision pointing and tracking.

- Use surfaces such as plain paper, card stock, or fabric that have minimal repetitive patterning.
- Avoid surfaces such as mirrors, smooth glass, or magazines that have half- tone printing.

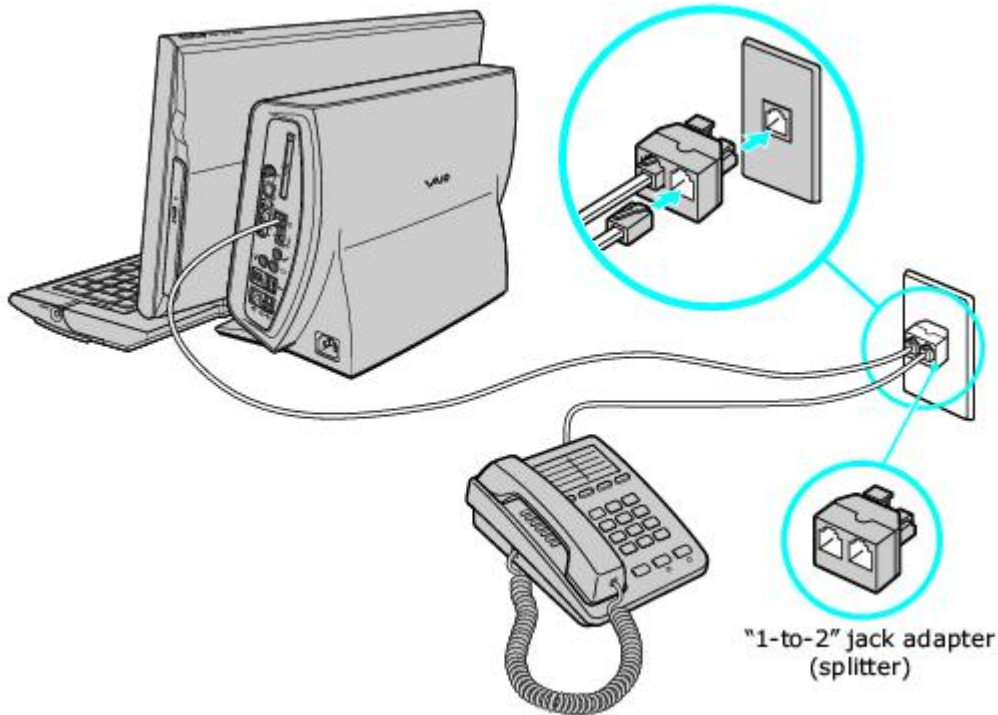
Connecting the Modem Cable


Your computer is equipped with a single RJ-11 jack to connect the supplied modem cable. If you also want to use your walljack for your telephone line, purchase an optional "1-to-2" jack adapter device (splitter).

To connect the modem cable

1. Unplug your telephone cable from the wall jack.
2. Insert the telephone cable into one of the RJ-11 jacks on a splitter device (optional).
3. Insert one end of the modem cable (supplied) into an RJ-11 jack on the splitter device.
4. Insert the plug end of the splitter device into the wall jack.
5. Plug the modem cable into the modem line jack on the computer.

To connect the modem cable

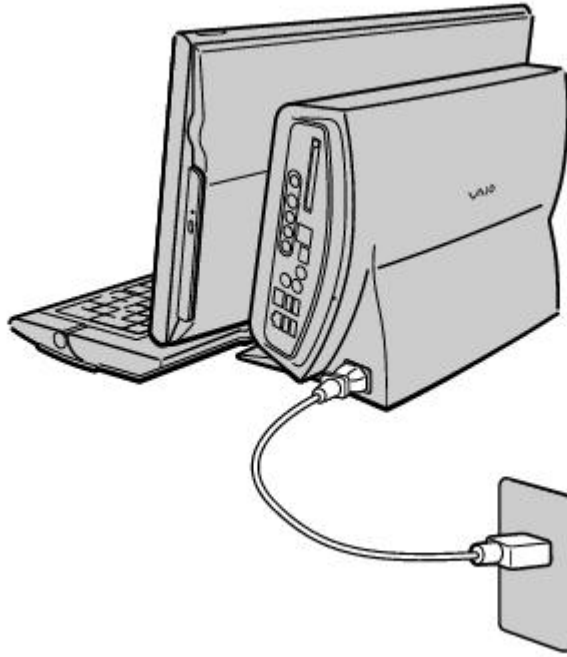


⚠ Your computer has a protective sticker  covering the Ethernet port located on the rear panel. Connect only 10BASE-T and 100BASE-TX cables to the Ethernet port. Using other cables or a telephone cable may result in an electric current overload that can cause a malfunction, excessive heat, or fire in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

Connecting the Power Cord

1. Plug the power cord into the AC input port on the right panel of the computer.
2. Plug the power cord into a grounded AC wall outlet or a power strip.

To connect the power cord



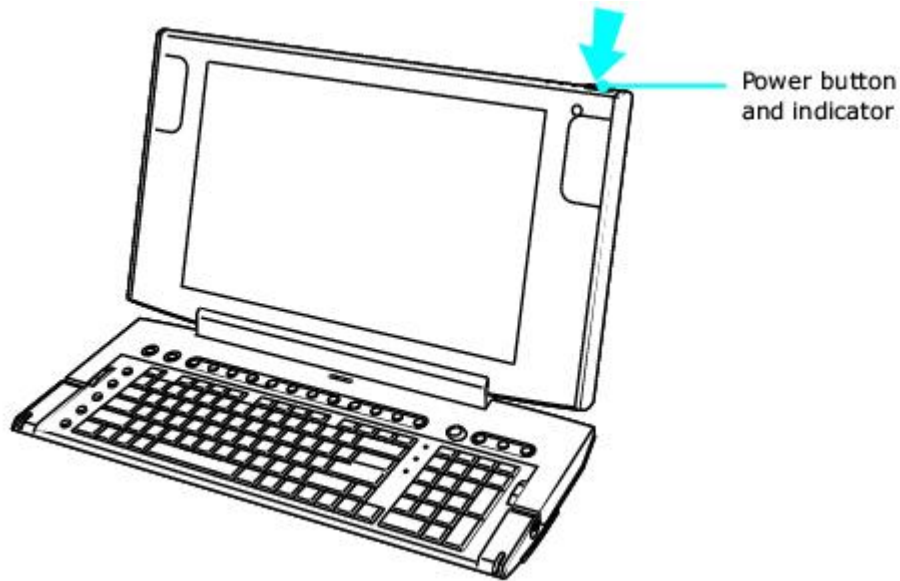
 Install your computer so that you can easily reach the power outlet in the event of an emergency.

Turning on Your Computer

Initially when you start your system, the computer may detect new hardware and prompt you to restart your computer. Respond to this prompt immediately.

Press the power button on the computer to turn on the system.


To turn on your computer



Registering your Computer


Take advantage of Sony's commitment to quality customer support and receive these benefits by registering your computer:

- **Sony Customer Support** — Communicate with a Support Representative to troubleshoot problems you may be having with your computer.
- **Limited warranty** — Protect your investment. See the Limited Warranty Card for more details.

 You are prompted to register your computer the first time you turn on the unit. Follow the on-screen instructions to complete the registration process. If you are not able to register your computer during the first session, you are provided with additional registration opportunities later.

Giga Pocket Personal Video Recorder

Giga Pocket Personal Video Recorder is a suite of interactive Sony audio and video components that are designed to create, capture, and play back video files derived from television and your personal videos.¹

 Giga Pocket Personal Video Recorder hardware and software applications are not available on all VAIO® computers. See your computer's online specification sheet for details on your system configuration.

- [About Giga Pocket Personal Video Recorder](#)
- [Setting Up Giga Pocket Personal Video Recorder](#)
- [Setting Up Giga Pocket Software](#)
- [Giga Pocket](#)
- [Timer Recording Wizard](#)
- [Timer Recording Manager](#)
- [Giga Pocket Explorer](#)
- [CLIÉ Converter](#)
- [Glossary](#)
- [Internet Electronic Program Guide Service](#)

¹ Unauthorized duplication of audio or video files is a violation of applicable laws.

About Giga Pocket Personal Video Recorder

Giga Pocket Personal Video Recorder is a unique set of tools that enhance your VAIO® computer's capabilities. Giga Pocket gives you a wide range of video viewing, recording, and playback capabilities, such as:

- Watching and recording television programs from your computer.
- Viewing and recording TV programming simultaneously.
- Setting and managing daily/weekly timer recording schedules.
- Managing Video Capsules (recorded video contents) on your computer.
- Recording personal video content from a videotape.
- Playing your Video Capsules on other computers.
- Operating Giga Pocket functions with a remote control device.
- Sharing Giga Pocket features and functions with other computers on a network.
- Transforming Video Capsules into gMovie format for viewing on your CLIE handheld.



For an explanation of Giga Pocket terms, see the [Glossary](#).


Giga Pocket Personal Video Recorder includes:

- **Giga Pocket**—This application enables you to watch TV programs on your computer's display and record them onto the hard disk drive as Video Capsules for later playback.
- **Timer Recording Manager**—The Timer Recording Manager keeps track of all TV program recordings you have scheduled. This program also enables you to modify timer recordings.
- **Timer Recording Wizard**—The Wizard interface guides you through setting up a timer recording schedule. You can program one-time recordings and set up daily or weekly recurring recording schedules.
- **Giga Pocket Explorer**—The Giga Pocket Explorer program functions as your video file management system, and stores recorded Video Capsules as well as modified Playlists. Giga Pocket Explorer contains export/import functions for file format conversions.
- **Giga Pocket Server**—The Giga Pocket Server enables multiple computers on a network to use certain Giga Pocket software functions.
- **CLIE Converter**—The CLIE Converter is a plug-in application that enables the conversion of Video Capsules into gMovie format. You can change the format your Giga Pocket contents and transfer them onto a Memory Stick® media for viewing with your Sony CLIE Handheld.

Accessing the Giga Pocket Help


For more information about Giga Pocket Personal Video Recorder, follow these steps:

1. Click **Start** in the Windows® taskbar and select **All Programs**.
2. Select **Giga Pocket, Help**, and click **Giga Pocket Help**.

 **Giga Pocket Personal Video Recorder maintains information about the software and Video Capsules on your computer's drive D, in a folder named D:\Giga Pocket V5. This folder and its contents are not designed for your direct maintenance. Please do not move, modify or delete the Giga Pocket Folder or any of its contents. Any alteration to this folder or its contents may cause your Giga Pocket software and Video Capsules to stop working properly.**


Setting Up Giga Pocket Personal Video Recorder

This section illustrates how to set up the cables and connections for your Giga Pocket Personal Video Recorder system.

 The hardware configuration of your computer may vary from the illustrations shown. To view the specific hardware configuration for your computer, see the online specifications sheet.

To set up TV connections

The best method of connecting your computer system, TV monitor or display, and cable service access, is determined by the type of cable connection available in your home.

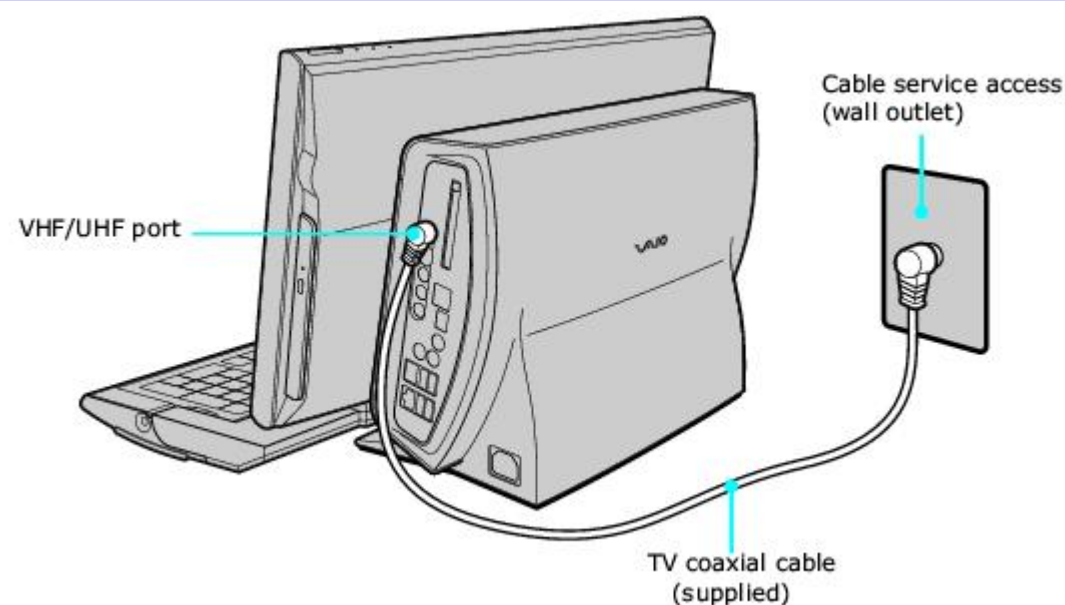
 Your VAIO® Computer is supplied with certain audio and video cables. Your in-home cable access may require extra cables, adapters or connection equipment not supplied with your computer.

Connecting to standard cable access (CATV)

Option 1

1. Connect one end of the TV coaxial cable (supplied) to your cable service access.
2. Connect the other end of the TV coaxial cable to the VHF/UHF port on the right panel of your computer.

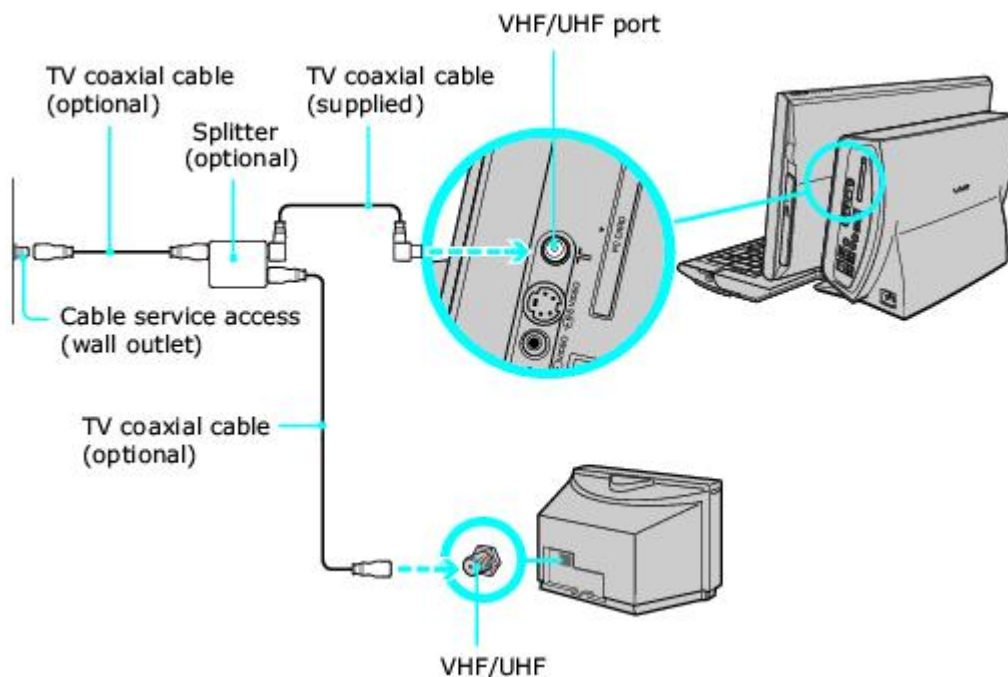
To connect in CATV mode (Option 1)



Option 2


1. Connect one end of a TV coaxial cable (optional) to your cable service access. Connect the other end to the single-connection end of a splitter adapter.
2. Connect the TV coaxial cable (supplied) to the double-connection end of the splitter adapter. Connect the other end to the VHF/UHF port on the right panel of your computer.
3. Connect a third TV coaxial cable (optional) to the double-connection end of the splitter adapter. Connect the other end to the VHF/UHF port on the rear of your TV monitor or display.

To connect in CATV mode (Option 2)



Connecting to a standard antenna (air)

You can connect your Giga Pocket system to an indoor/outdoor antenna system, using Option 1 or 2 from the previous section, [Connecting to standard cable access \(CATV\)](#). Depending on the type of antenna system in your home, your connection may require a VHF/UHF RF combiner/transformer (optional) to connect your computer and the indoor/outdoor antenna system.

 If you are connecting to an indoor/outdoor antenna, you may need to reorient the antenna for best reception.

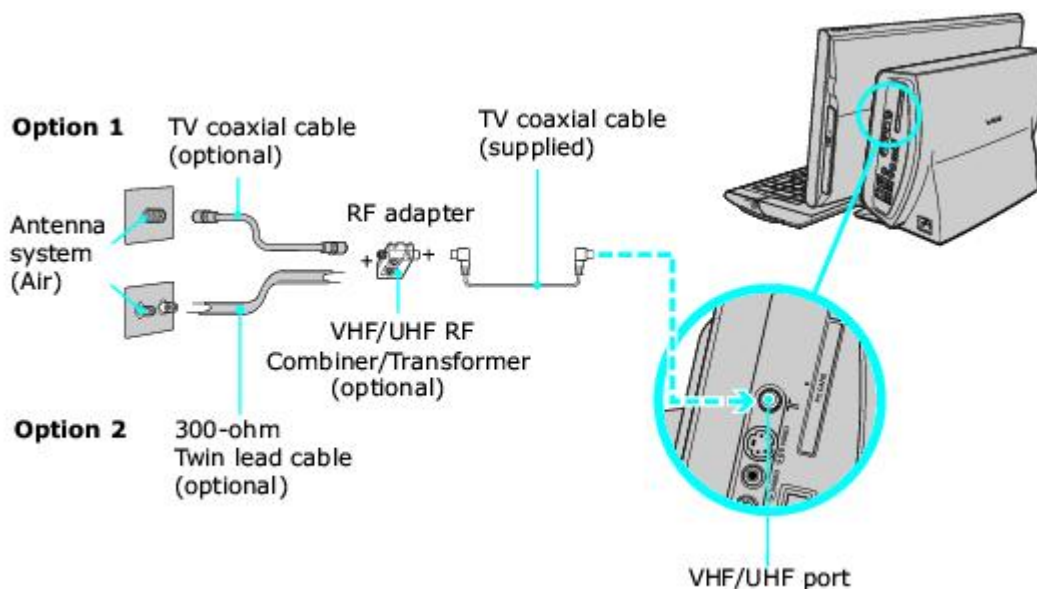
Option 1


1. Connect one end of a TV coaxial cable (optional) to your antenna outlet. Connect the other end to a VHF/UHF RF combiner/transformer (optional).
2. Connect the TV coaxial cable (supplied) from the combiner/transformer to the VHF/UHF port on the right panel of your computer.

Option 2

1. Connect both ends of the antenna's twin lead cable to the screw-type grips on the combiner/transformer.
2. Connect the TV coaxial cable (supplied) from the combiner/transformer to the VHF/UHF port on the right panel of your computer.

To connect in standard antenna mode (air)



 Your VAIO® Computer is supplied with certain audio and video cables. Depending on your in-home cable access, you may require extra cables, adapters or connection equipment not supplied with your computer.

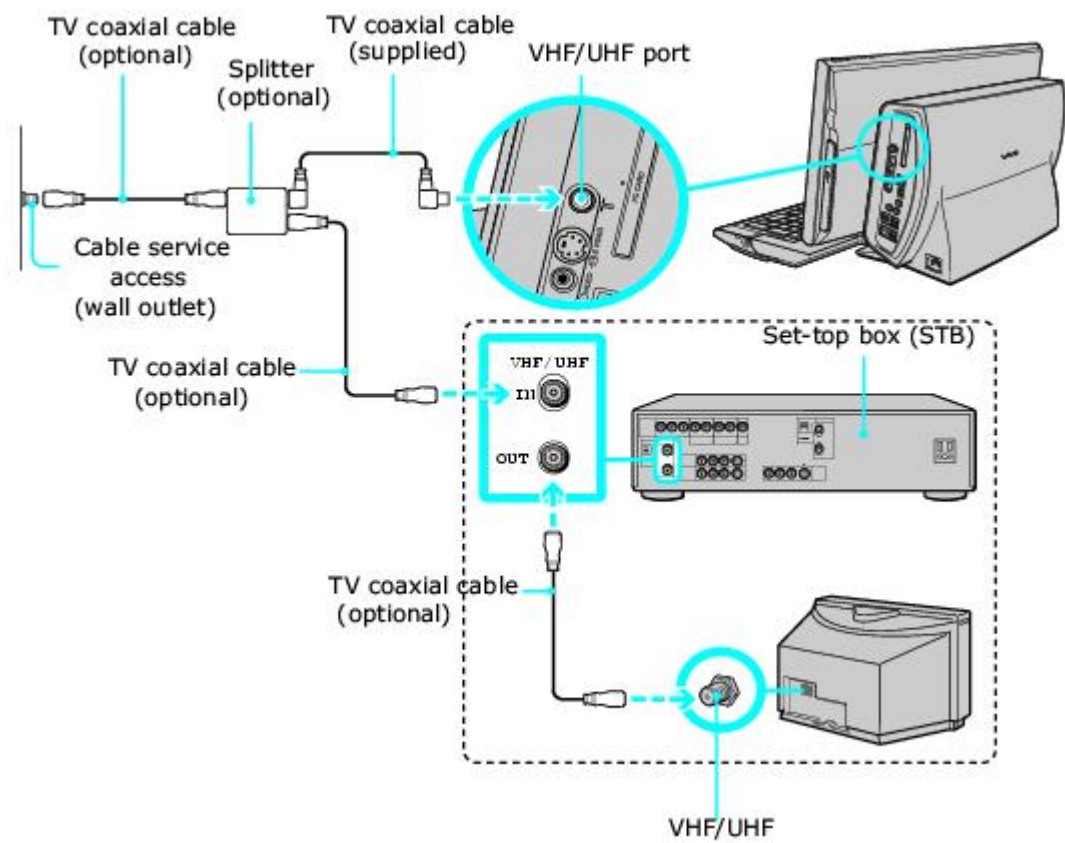
Connecting with a cable or satellite set-top box (STB)

You can connect your Giga Pocket system to cable service access that uses a set-top box (cable or satellite).

Option 1

1. Connect one end of a TV coaxial cable (optional) to your cable service access. Connect the other end to the In jack on the back panel of your set-top box (STB).
2. Connect a second TV coaxial cable (optional) to the Out jack on your STB. Connect the other end to the single-connection end of a splitter device (optional).
3. Connect a third TV coaxial cable (supplied) to the double-connection end of the splitter adapter. Connect the other end to the VHF/UHF port on the right panel of your computer.
4. Connect a fourth TV coaxial cable (optional) to the double-connection end of the splitter adapter. Connect the other end to the VHF/UHF port on the rear of your TV monitor or display.

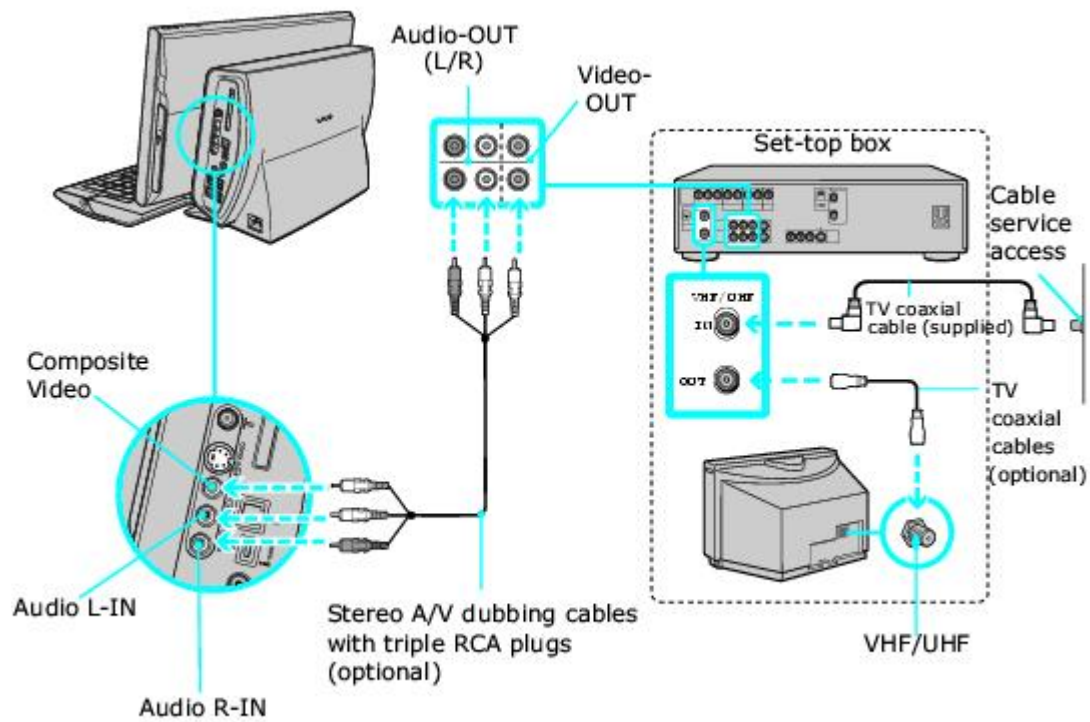
To connect in STB mode (Option 1)



Option 2

1. Connect one end of the TV coaxial cable (supplied) to your cable service access. Connect the other end to the In jack on the back panel of your set-top box (STB).
2. Connect a second TV coaxial cable (optional) to the Out jack on your STB unit. Connect the other end to the VHF/UHF port on the rear of your TV monitor or display.
3. Connect one end of a stereo A/V dubbing cable with triple RCA jacks (optional), to the Video Out and Audio-OUT (L/R) jacks on the back panel of your STB unit, matching the plug and jack colors.
4. Connect the other RCA jacks of the stereo A/V dubbing cable into the Composite audio-R (IN), Composite audio-L (IN), and Composite video (IN) jacks on the right panel of your computer, matching the plug and jack colors.

To connect in STB mode (Option 2)



To set up additional equipment

This section illustrates how to set up additional equipment with the Giga Pocket Personal Video Recorder System.

Connecting a compatible VCR or camcorder

Your VAIO® computer has both audio and video connection capability. You can locate the connections on the right panel of the system unit. You can connect a VCR or camcorder, using the audio jacks and video ports. Your VCR or camcorder may have either standard video or S-video connection capability.

To connect with an S-video cable

1. Connect an S-video cable (optional) directly into the composite S-video jack on the right panel of your computer.
2. Connect the other end of the S-video cable into the appropriate port on your compatible VCR or camcorder.

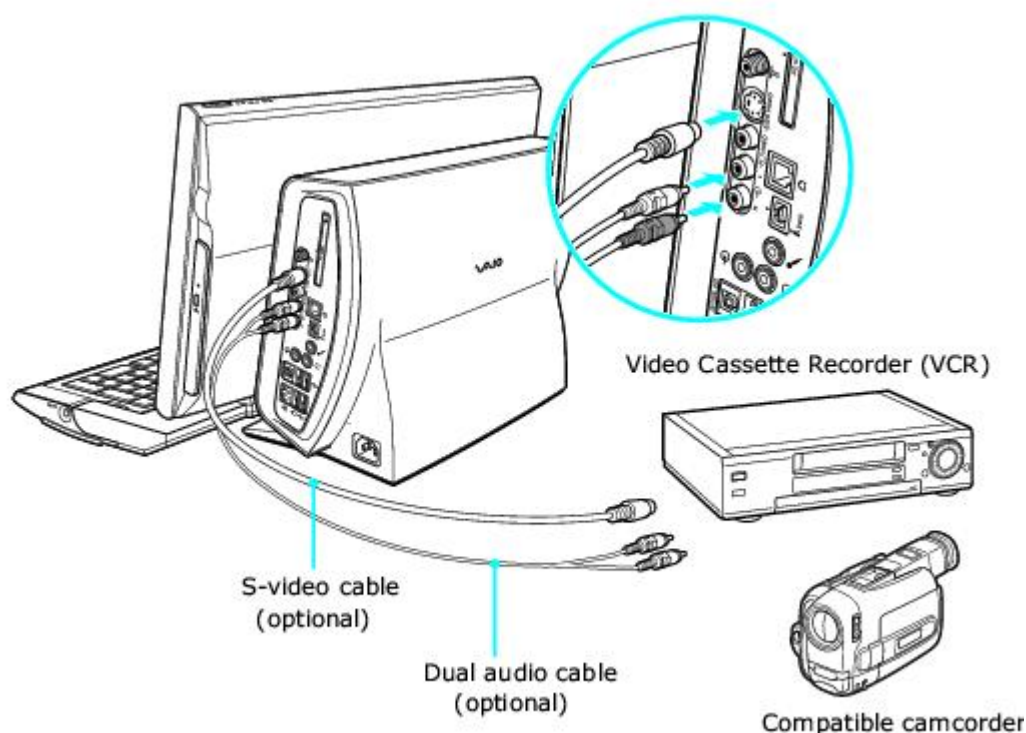
To connect with an S-video cable

1. Connect an audio cable with double RCA plugs at each end (optional) into the composite audio L and R jacks, located on the right panel of your computer.
2. Connect the other ends of the audio cable into the appropriate ports on your compatible VCR or camcorder.

To connect with a stereo A/V dubbing cable (Triple RCA plugs)

1. Connect a stereo A/V dubbing cable with triple RCA plugs at each end (optional) directly into the composite video In port, composite audio L and R In jacks, located on the right panel of your computer.
2. Connect the other ends of the stereo A/V dubbing cable into the appropriate jacks on your compatible VCR or camcorder.

To connect a compatible VCR or camcorder



Locating the infrared receiver

The infrared receiver, located on the front panel of your computer, communicates with the Giga Pocket remote control. The infrared receiver must be visible in a line-of-sight with your remote control in order to function properly.

Setting Up Giga Pocket Software

Giga Pocket Personal Video Recorder software features and functions are detailed in this section, enabling you to begin viewing or recording TV programs.

To set up TV viewing

When you start Giga Pocket Personal Video Recorder for the first time, you are automatically prompted to set the video input source for watching TV or cable TV (CATV) programs on your computer.

Starting Giga Pocket for TV Setup (For first time setup)

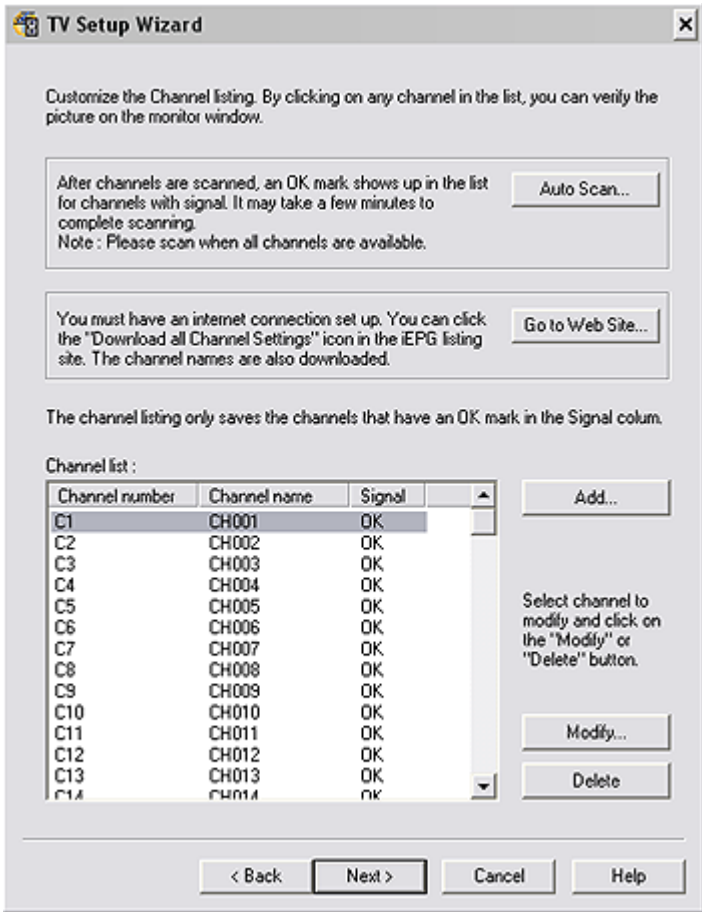
- 1. Verify that the computer time and date settings as displayed in the taskbar are correct.

To adjust these settings:

- 1. Right-click with your mouse. A shortcut menu appears.
 - 2. Select **Adjust Date/Time**, and a dialog box appears.
 - 3. Correct the date and time, if necessary.
- 2. Click **Start** in the Windows taskbar, point to **All Programs**, point to **Giga Pocket**, point to **All Software**, and then click **TV Setup**.

The **TV Setup Wizard** appears.

TV Setup Wizard



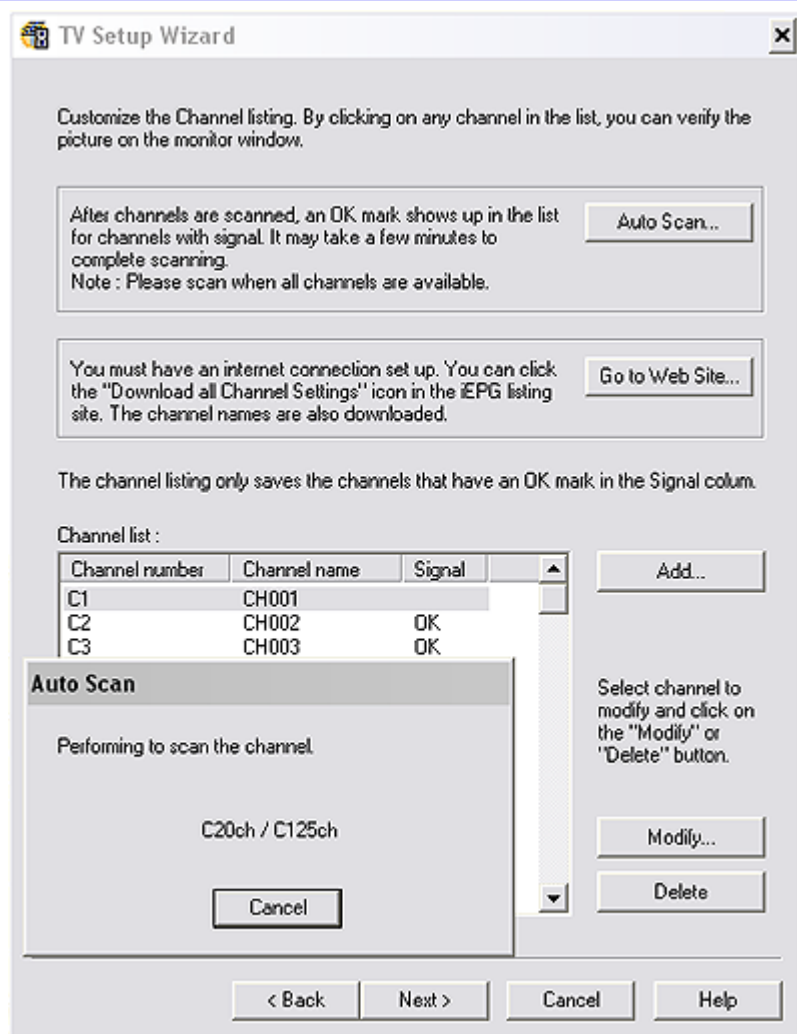
- 3. Depending on your cable service access, select **Standard CATV**, **Standard antenna**, or **set-top box (STB)**.
 - 1. Standard CATV (C1-C125) without STB — For this connection, you must use a coaxial cable directly (without an STB) to your computer. The default setting for this connection option is STD. Depending on your local connection requirements, HRC and IRC are also available.
 - 2. Standard antenna (2-69) — Select this option if you connect an aerial antenna's coaxial cable directly to your computer for watching TV programs.
 - 3. STB (Set top box) — Select this option if the broadcast signal is received from a set top box (STB) such as a digital cable box or a satellite cable box. Make sure that the Input channel on your STB (Ch. 3, Ch. 4, etc.) matches the Input channel listed in the Giga Pocket TV Setup dialog box.


If you are not sure of the type of cable connection to use (Standard, HRC, or IRC), contact your cable provider for information.

4. Click **Next**. The wizard displays a dialog box that enables you to customize the channel listings.
5. Click **Auto Scan**.

You can view the channel reception in the pop-up **TV Setup - Monitor** window.

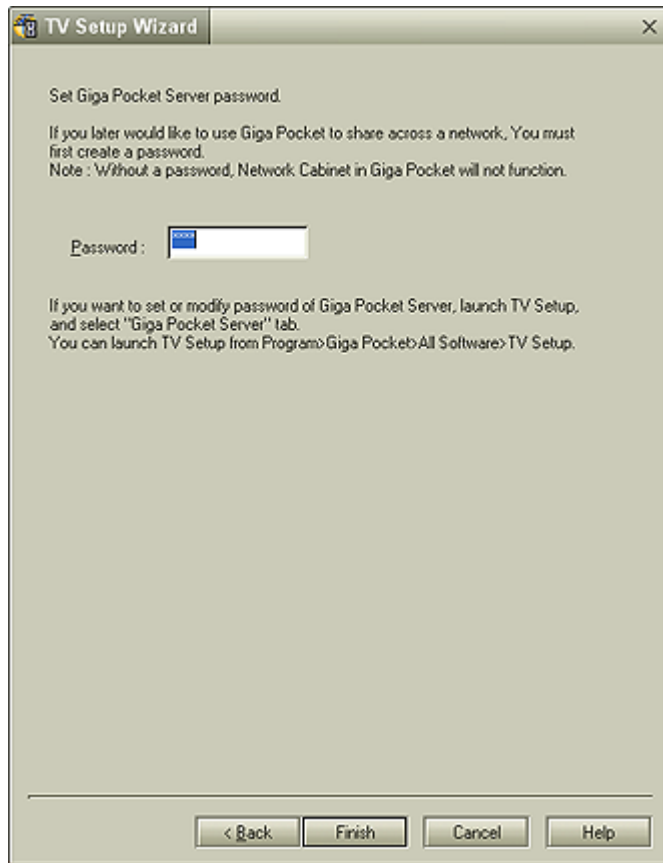
TV Setup Wizard - Customize the channel listing



 If your computer is connected to the Internet, you can click **Go to Web Site...** and download channel listings from the iEPG listing site.

6. Connect to the Internet.
7. Click **Go to Web Site...** and download channel listings by clicking **Download all Channel Settings**.
8. Click **Next**. For the first time setup, you are prompted to set your Giga Pocket Server password.

TV Setup Wizard - Giga Pocket Server password




9. Type in a password and click **Finish**.

Setting up your display (monitor)

When using Giga Pocket Personal Video Recorder, set your display settings as follows:

- **Colors**—Use the default factory settings (32-bit).
- **Screen area**—Set your video resolution to 1024 x 768 pixels.

If you change the default settings, you may experience poor image quality on your display.

 Microsoft® Windows® XP operating system supports a single Giga Pocket user at any given time. Even if a different user logs on using the fast switch feature, Giga Pocket is not available to any other user account. For more information, see the Giga Pocket Help.

Giga Pocket


Giga Pocket enables you to watch a TV program on your computer display while recording it onto your hard disk drive. Using the Giga Pocket Slip Play feature, you can view a program from the beginning even while it is being recorded.

Starting Giga Pocket

- 1. Click **Start** in the Windows® taskbar, point to **All Programs**, point to **Giga Pocket**, then click **Giga Pocket**. The Giga Pocket window appears.

Giga Pocket window

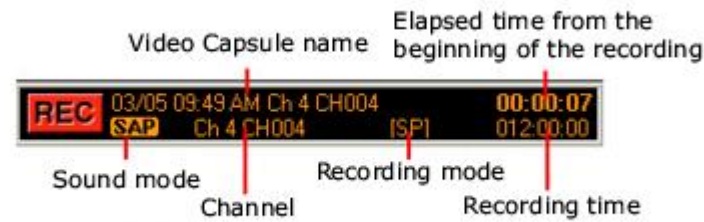


 The current television broadcast is displayed, based on the selected channel.

Using the TV/Recording deck and Playback deck

Giga Pocket features two decks on the main interface window: the TV/Recording deck and the Playback deck.

TV/Recording deck (detail)




Use the TV/Recording deck to view programs and record Video Capsules. You can use the Playback deck of your Giga Pocket to play back a prerecorded Video Capsule.



Playback deck (detail)



Recording a Video Capsule

Giga Pocket stores recorded images as Video Capsules. The Video Capsules provide file recording information, which can be viewed through Giga Pocket Explorer. Manage your Video Capsules with Giga Pocket Explorer.

 You cannot record a program into a previously recorded Video Capsule. All new content is recorded into a new Video Capsule.

1. Select your program by switching to the appropriate channel. Use the channel buttons located at the bottom of the Giga Pocket window, or use the right and left direction arrows on your keyboard.
2. Click **Record** , located at the bottom of the window, to begin recording your Video Capsule.
3. When your program has completed or you wish to end the Video Capsule, click **Stop** .

 To pause your recording session, click **Pause** . Click on it again to resume recording.

Using the Slip Play feature

While a program is being recorded on the TV/Recording deck, you can watch that same program from the beginning, using the Playback deck. You can begin using Slip Play to view your recording, beginning approximately ten seconds after your recording session begins.

1. From the menu bar, click **Functions**.
2. Select **Start Slip Play**.

Additional information about Giga Pocket

- Giga Pocket can be used for external video recording. Depending on conditions, not all video images can be recorded or displayed.
- Video input from game consoles may not be recorded or displayed in Giga Pocket.
- When you input an image from a video player device, such as a VCR that is connected to your computer, the following images may not record or display:
 - The still images of a paused playback screen.
 - A screen without images, such as a blue screen.
 - The menu screens of the attached video player device.
- The Giga Pocket software's displayed image or images from a prerecorded Video Capsule may be interrupted or distorted under the following circumstances:
 - If you change the channel on an attached video player device.
 - If you switch input during the analog input from an attached video player device.
 - If you attempt to play back a damaged video tape.
 - If you press Pause during the recording process.
- When you play a Video Capsule for a few seconds from the end of the film roll using the scroll bar, you may not be able to see a displayed image.
- The computer's response may decrease when you attempt to play a Video Capsule while recording a TV program using Giga Pocket.

Giga Pocket may interrupt or stop playback to allocate system resources for the timer recording event, if there are other applications running simultaneously. If this occurs, wait until Giga Pocket finishes recording before playing the Video Capsule.


- The timer recording may fail due to an "Event buffer of audio overflow" error in the following circumstances:
 - The input cable (coaxial or video cable) is disconnected after recording starts.

- You record a TV channel that has no broadcast content.
- You record video content from an old video tape with poor signal quality.
- The on-screen display may shift and split under some circumstances. If this occurs, switch the TV/Recording deck and the playback deck, or switch the channel. The recording proceeds even if the on-screen display shifts.
- Giga Pocket does not operate properly if used concurrently with other video applications, such as DVgate or MovieShaker software.

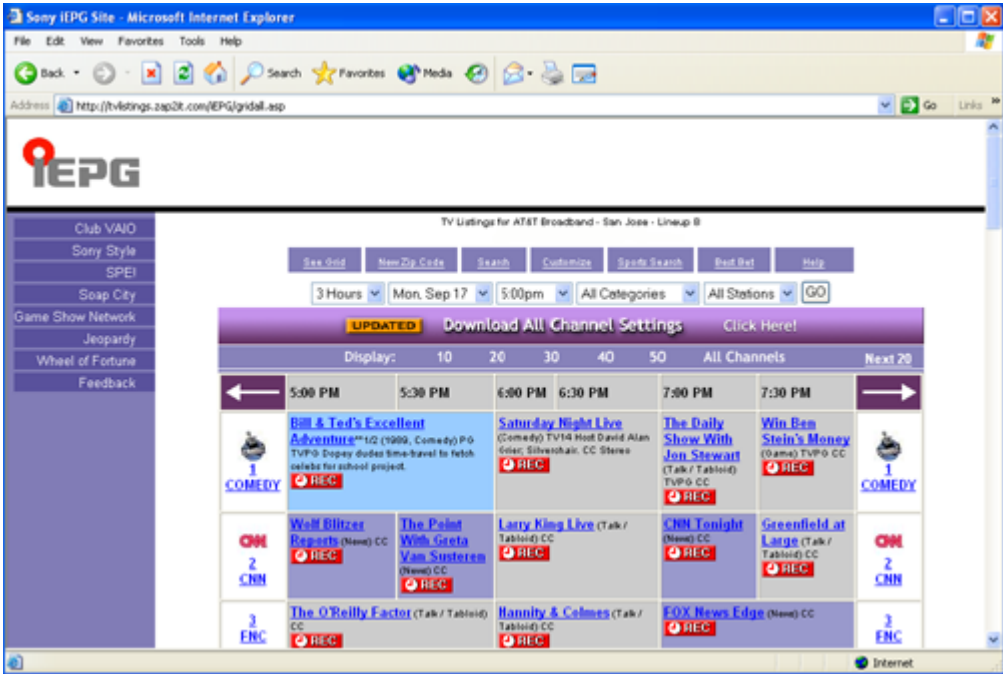
Using the TV Program Web site

- 1. Click **Start** in the Windows taskbar, point to **All Programs**, point to **Giga Pocket**, and then select **Zap2it**.

You can also go directly to the Web site at <http://www.sony.com/vaiotv>.

 Timer Recording requires an Internet connection. See the section, [To set up your Internet Electronic Program Guide service](#), for information on setting up for first-time use.


Internet Electronic Program Guide Web site



The appearance of the online channel guide Web site, its contents, and the accuracy of the TV listings are controlled by the TV listing provider and may change without notice. Pay-per-view channels can be accessed when making payments directly to the appropriate TV program provider.

You can schedule up to 100 timer recordings using Giga Pocket Personal Video Recorder.

From the online channel guide, click on the **REC** icon  to select the program you wish to record. The Timer Recording Wizard begins and the **New Timer Recording - Set Channel and Start Date and Time** window appears.

 Timer recordings create virtual containers for the recorded content that are called Video Capsules.

Accessing the Giga Pocket Help

For more information about Giga Pocket Personal Video Recorder, follow these steps:

- 1. Click **Start** in the Windows® taskbar and select **All Programs**.
- 2. Select **Giga Pocket**, **Help**, and click **Giga Pocket Help**.

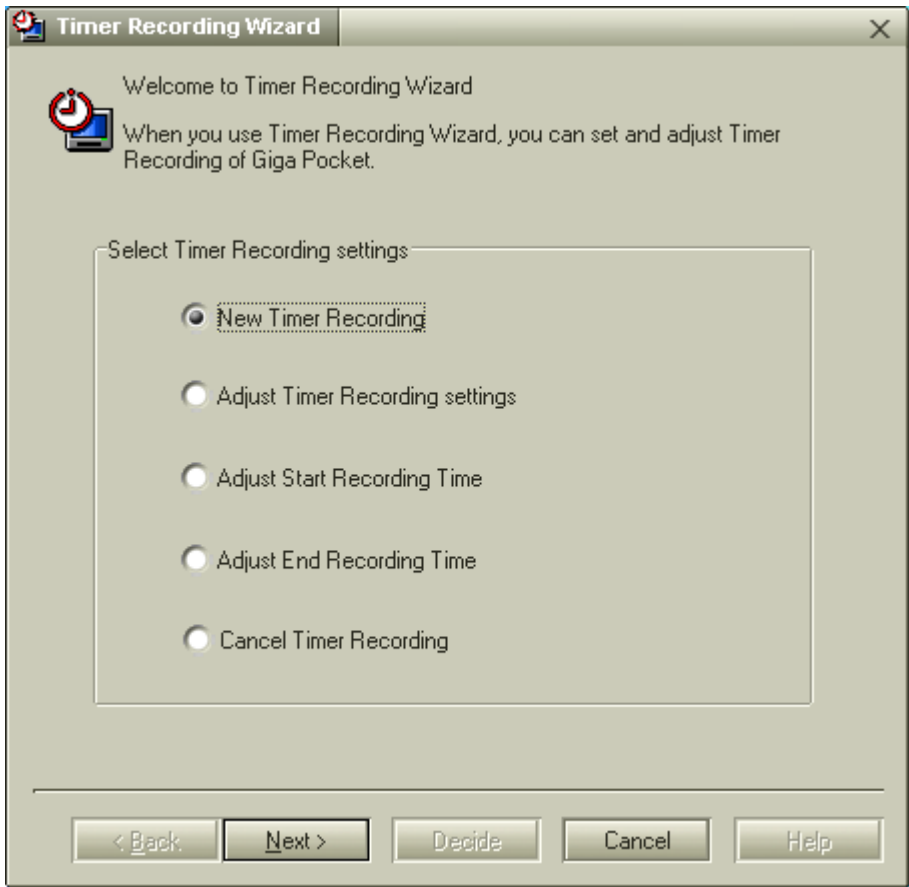
Timer Recording Wizard

With the Timer Recording Wizard, you can set, adjust, and cancel the timer recording settings.

Using the Timer Recording Wizard

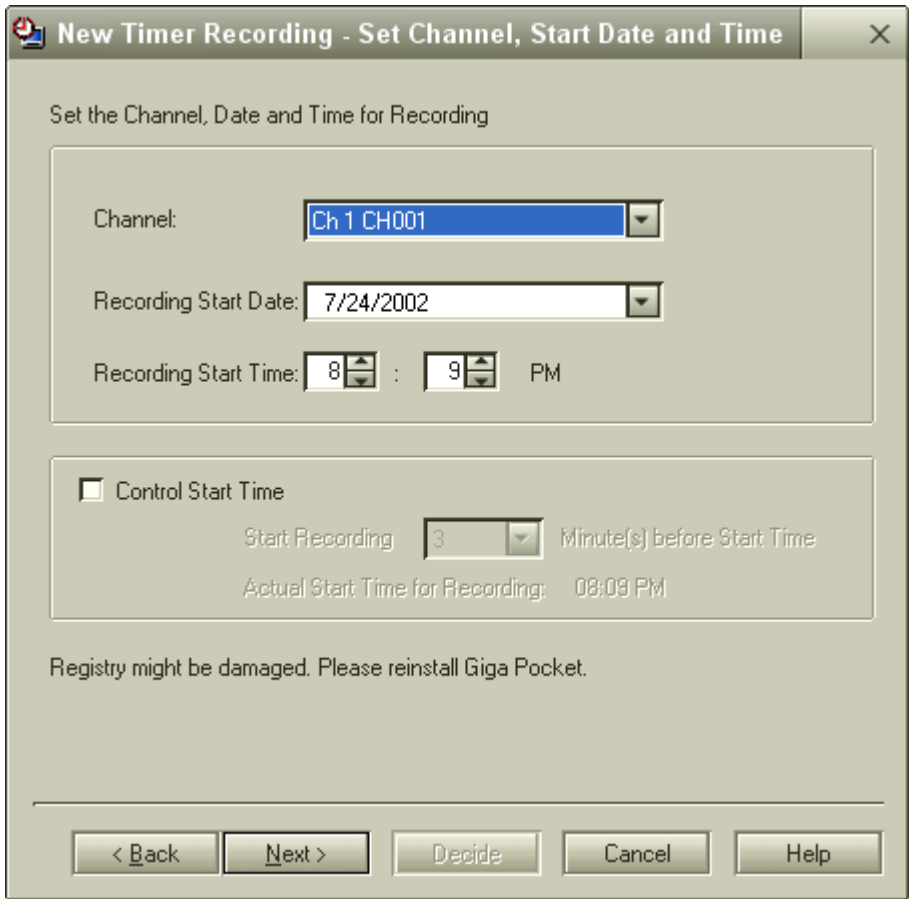
- 1. Click **Start** in the Windows taskbar, select **All Programs**, then select **Giga Pocket**.
- 2. Select **Timer Recording Wizard**. The Timer Recording Wizard dialog box appears.

Timer Recording Wizard



- 3. Select the desired option from the **Select Timer Recording Settings** menu and click **Next**. Follow the on-screen instructions. Click **Help** for assistance.

New Timer Recording - Set Channel and Start Date and Time



- 4. Verify that the information is correct and click **Next**. The programming station and time information is

automatically programmed into the appropriate Timer Recording Wizard fields.

5. You can set the stop time for your timer recording and select the recording mode. The stop time is automatically programmed into the Timer Recording Wizard. Verify the stop time, choose a recording mode, and then click **Next**.

Recording Mode	Description
Standard Play (SP)	Standard recording mode (MPEG-1, MPEG-2, and AVI).
High Quality (HQ)	Image quality is improved, but recording requires more space on the hard disk drive as compared to using SP or LP recording modes (MPEG-1, MPEG-2, and AVI).
Long Play (LP)	Image quality is reduced, but recording requires less space on the hard disk drive as compared to using HQ recording mode (MPEG-1).

New Timer Recording - Set Stop Time and Recording Mode

New Timer Recording - Set Stop Time and Recording Mode

Set the Stop Time of Timer Recording and Recording Mode.

Channel: Ch 1 CH001

Recording Start Time: 07/24/2002 08:09 PM

Recording Stop Time: 07/24/2002 9 : 9 PM

☐ Control Stop Time:

Extend 30 minute(s) from Stop Time

Actual Stop Time for Recording: 09:09 PM

Recording Mode

☒ SP

☐ HQ

☐ LP

Recording Time: 1:00

Required Disk 1771.10(MB)

Free Disk Space: 95979.38(MB) My Cabinet

< Back

Next >

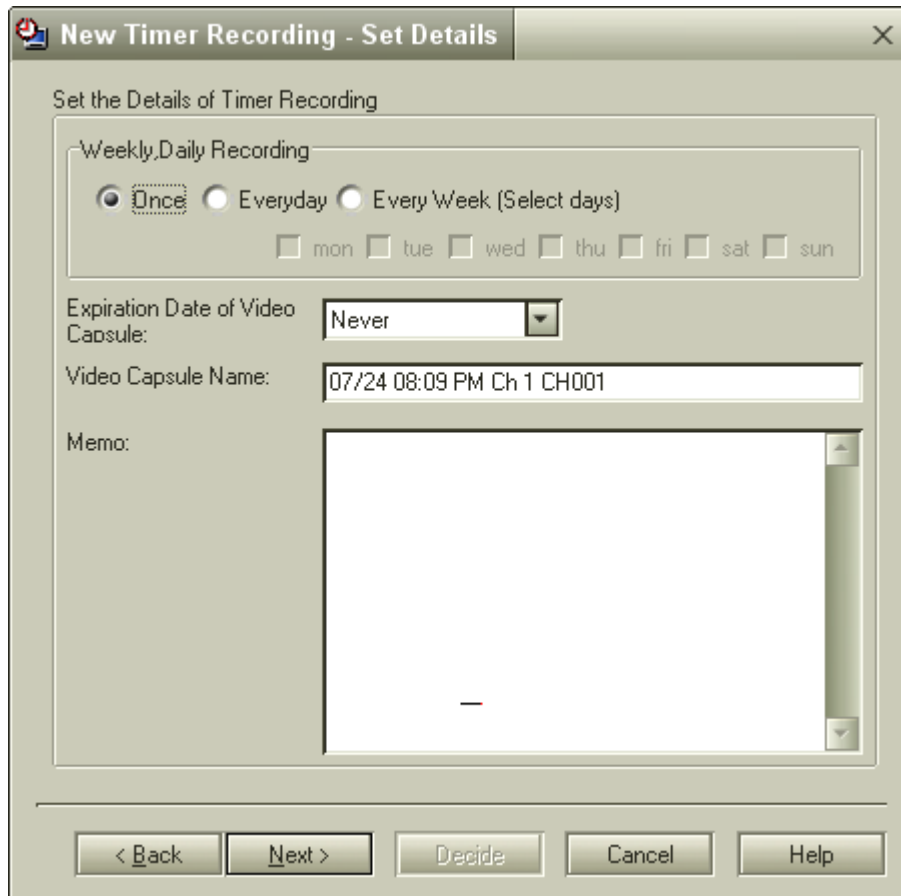
Decide

Cancel


Help

6. From the New Timer Recording - Set Details dialog box, you can customize the timer recording schedule. Select how often you want to record the program.

New Timer Recording - Set Details

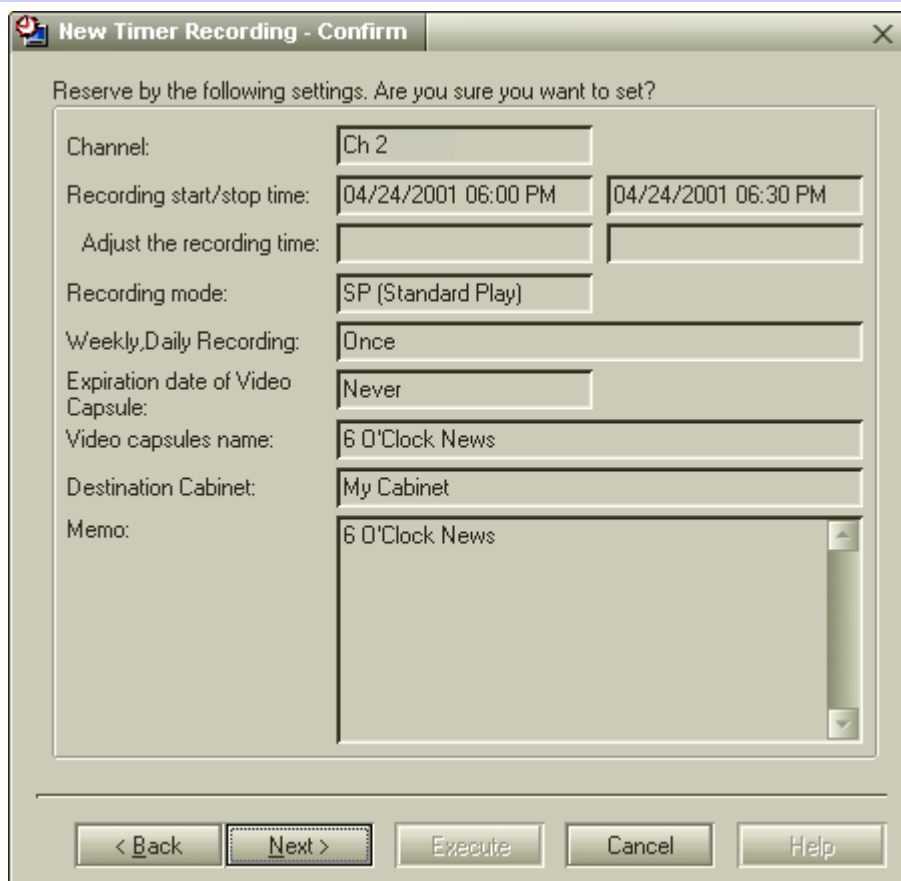


7. Select a date for the recorded program to be automatically deleted from your hard disk drive, using the Expiration date of Video Capsule drop-down list.

 To maintain adequate space on your hard disk drive, Giga Pocket Personal Video Recorder enables you to set an expiration date for your Video Capsules to be automatically deleted.

8. Click **Decide** to review your setting preferences. The New Timer Recording - Confirm dialog box appears. Click **Next**.

New Timer Recording - Confirm



9. The New Timer Recording - Completed dialog box appears. Click **Finish**.

New Timer Recording - Completed dialog box



Additional information about the Timer Recording Wizard

- Timer recording requires approximately 30 seconds (pre-recording) preparation time prior to beginning each recording session. Please keep this in mind when setting up multiple, back-to-back recording sessions. Giga Pocket software stops the current timer recording, pauses to prepare, and then begins the next timer recording according to the set start time. The length of your first Video Capsule is approximately 30 seconds shorter than the actual time set.

You may experience some timing problems with multiple recording sessions when the second timer recording is preset as a daily or weekly recorded event. The first timer recording may end as early as 60 seconds sooner than the set stop time.

- Scheduled daily or weekly timer recording sessions do not occur if your hard disk drive does not have sufficient space. Giga Pocket software does not allow a new Video Capsule to be created if there is less than 100 MB of free space on the hard disk drive. These scheduled events resume at their scheduled time, as hard disk drive space becomes available.
- Approximately three minutes before Giga Pocket begins a timer recording and during a timer recording, you must avoid:
 - Starting up or using other software applications.
 - Setting up, changing, or deleting timer recordings.
 - All activities that may access the hard disk drive, such as copying files.


Accessing the Giga Pocket Help


For more information about Giga Pocket Personal Video Recorder, follow these steps:

1. Click **Start** in the Windows® taskbar and select **All Programs**.
2. Select **Giga Pocket, Help**, and click **Giga Pocket Help**.

Timer Recording Manager

The Timer Recording Manager keeps track of all scheduled TV recordings. Your computer settings, by default, are set to start Timer Recording Manager automatically when the computer is turned on.

Timer recordings are being performed when the Timer Recording Manager icon  (Timer Recording Manager) is visible in the Windows taskbar. The timer recording does not start unless the Timer Recording Manager application is available. For the Timer Recorder Manager application to be available, your computer should be in Stand by or Hibernate mode, if the system is not in active use. You can schedule up to 100 programs at a time, for timer recording with the Timer Recording Manager.

 Microsoft® Windows® XP operating system supports a single Giga Pocket user at any given time. If a different user logs on using the fast switch feature, the Timer Recording feature is not available to another user account. The Timer Recording Manager icon appears in the taskbar of the first user to log on.

Using the Timer Recording Manager

1. Click **Start** in the Windows® taskbar, select **All Programs**, select **Giga Pocket**, and then click **All Software**.
2. Click **Timer Recording Manager**. The Timer Recording Manager dialog box appears:
 - Windows Stand by button—Places the Windows operating system into Stand by mode when the preset timer recording is set to begin, or if a Video Capsule is set to expire. Windows automatically starts and performs the appropriate action.
 - Interrupt Current Recording button—Stops the current timer recording. Use this option when you wish to end the current recording session.
 - Timer Recording List—Displays a list of timer recordings that have been performed, as well as pending timer recordings. If a daily/weekly timer recording is set, only the current recording session is shown.


 The total number of timer recordings displayed does not exceed 100.

Timer Recording Manager dialog box



Double-click on a recorded timer recording to play it back on Giga Pocket.

3. Click **Hide** to restore Timer Recording Manager to the taskbar.

 If you turn off your computer, the timer recording function is disabled.

Viewing your selected program recording schedule

You can easily view the programs you have selected to record, using Giga Pocket Personal Video Recorder. The Timer Recording Manager feature enables you to change or cancel your timer recording at any time.

To view your scheduled timer recordings, follow these steps:

1. Double-click on the **Timer Recording Manager** icon  located in the Windows® taskbar.


Review your scheduled timer recordings and make any desired changes or cancellations.

2. Click **Hide** to return the icon to the taskbar.

 You do not have to be connected to the Internet to use the Timer Recording Manager feature.

Additional information about the Timer Recording Manager

- When creating a timer recording, it is important to remember the following information:
 - The timer recording function is disabled if you turn your computer off.
 - Your computer should be in Stand by or Hibernate mode, if the system is not in active use.
 - Disable screensavers and any other applications that may access your computer's hard disk drive during the timer recording.
 - If you are using a set-top box (STB), make sure it is turned on and set to the channel you want to record.
- When you set up a timer recording using Giga Pocket software, always use the Timer Recording Manager. If the Timer Recording Manager is not set up, the recording does not start, even if you set the timer recording settings with the Timer Recording Wizard.

 Your computer's default setting enables Timer Recording Manager to start automatically when the computer is started.

- The timer recording starts a few seconds earlier than the specified recording start time.
- Under certain circumstances, a daily or weekly timer recording may not be executed the second and subsequent times.
- A timer recording may fail if the computer's clock setting is changed right before the preset recording time. Before changing the computer's clock setting, verify that there are no timer recordings set to begin.

Close the Time Recording Manager before changing the computer's clock setting. Restart Timer Recording Manager after you have changed the time setting.

- If a different user logs on, using the fast switch or switch user features, the Timer Recording feature is not available to another user account. The Timer Recording Manager icon appears in the taskbar of the first user to log on.

Accessing the Giga Pocket Help

For more information about Giga Pocket Personal Video Recorder, follow these steps:

1. Click **Start** in the Windows® taskbar and select **All Programs**.
2. Select **Giga Pocket, Help**, and click **Giga Pocket Help**.

Giga Pocket Explorer

The Giga Pocket Explorer application serves as a file manager for your Video Capsules. Video Capsules and saved Playlists are managed in Cabinets.

Giga Pocket Explorer enables you to play back Video Capsules using Giga Pocket. You can import MPEG files, that were created with compatible Sony applications, and export Video Capsules as AVI or MPEG files.

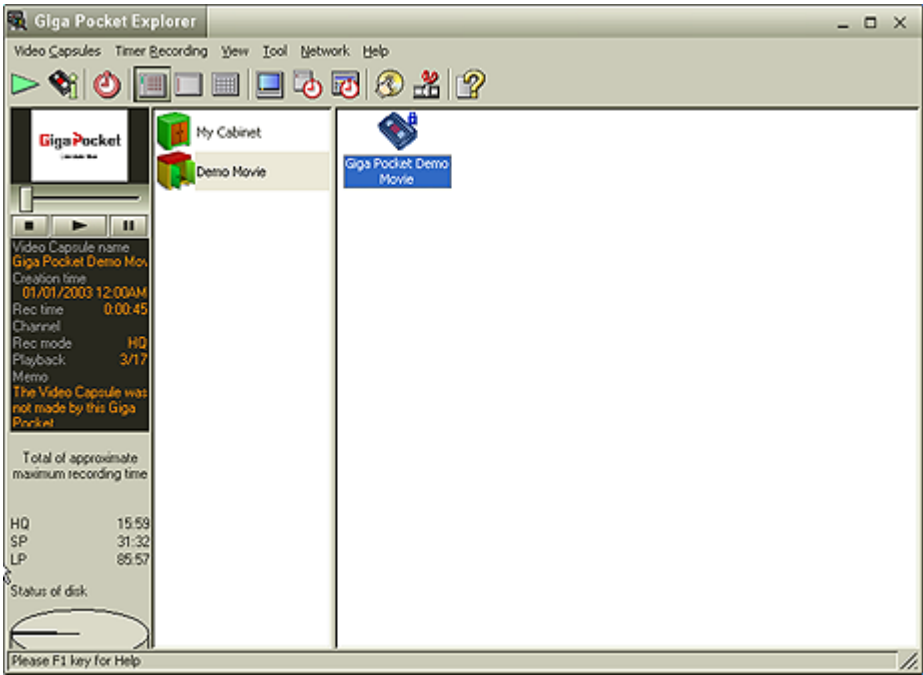
Using Giga Pocket Explorer

1. Click **Start** in the Windows taskbar, point to **All Programs**, point to **Giga Pocket**, point to **Giga Pocket Explorer**.

The Giga Pocket Explorer main window appears.






2. Click on the desired Cabinet to see a list of saved Video Capsules and Playlists.

Giga Pocket Explorer main window



Using the Giga Pocket Explorer Toolbar functions

From the Giga Pocket Explorer toolbar, you can:

- Launch Giga Pocket  to play a selected Video Capsule or Playlist.
- Launch Timer Recording Wizard  to set up timer recordings.
- Launch Click to DVD software  to burn Video Capsules to DVD recordable media. See Click to DVD software Help for more details.
- Launch DVgate Plus software  to edit your Video Capsules.
- Launch Giga Pocket Help  to obtain further assistance.
- Change the display views for your video contents, and edit recording information.

Accessing the Click to DVD Help

For additional information about using Click to DVD software features, follow these steps to access the Click to DVD Help.

1. Click **Start** in the Windows taskbar, point to **All Programs**.
2. Point to **Click to DVD** and click **Click to DVD Help**.

Accessing the Click to DVD Help

For additional information about using Click to DVD software features, follow these steps to access the Click to DVD Help.

1. Click **Start** in the Windows taskbar, point to **All Programs**.
2. Point to **DVgate Plus** and click **DVgate Plus Help**.

Recording Video Capsules onto recordable DVD media

You can record Video Capsules to DVD-R/DVD-RW media with the Make DVD feature.



The Click to DVD software must be installed in order to burn Video Capsules to recordable DVD media.

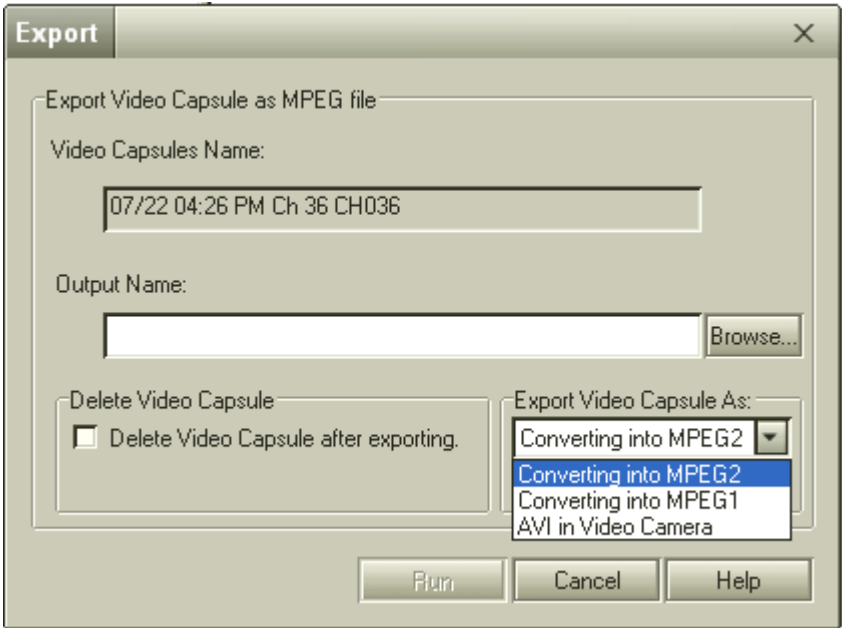
1. From the Giga Pocket Explorer main window, select the Video Capsules you want to burn onto a DVD.
2. On the Giga Pocket Explorer Toolbar, click **Make DVD**.
3. The Click to DVD software launches. Follow the on-screen instructions.

Exporting Video Capsules

You can export your Video Capsules as MPEG-1, MPEG-2, or AVI file formats for viewing on external media.

1. In the list area, right-click the Video Capsule you want to export. A shortcut menu appears.
2. Select **Export**. The Export dialog box appears.


Export dialog box



3. Enter an output name for the file you want to export and specify the location for the exported file.

You can select the option, Delete Video Capsule after export. If you do not want to delete the Video Capsule after export, leave the option disabled.

4. In the section, "Export Video Capsule As:", select to convert to an AVI, MPEG-1, or MPEG-2 format.
5. Click **Run** to begin exporting.

 Some conversion formats may not be available, depending on the recording mode that was used to create the Video Capsule.

Additional information about using Giga Pocket Explorer

- Video Capsules that are recorded using High Quality (HQ) or Standard Play (SP) mode can be converted and exported as MPEG-1, MPEG-2, and AVI files.

MPEG-2 files need a specific system environment for playback:

- A VAIO computer that has Giga Pocket Personal Video Recorder installed.
- A VAIO computer that has a DVD-ROM or DVD-RW drive.

If you wish to play your Video Capsule in a different system environment, you can convert and export your Video Capsule using MPEG-1 format.

- Video Capsules that are recorded using Long Play (LP) mode can be converted and exported as MPEG-1 files.
- You can convert an imported MPEG file into a Video Capsule, only if the file was created using DVgate Assemble or other VAIO AV applications.

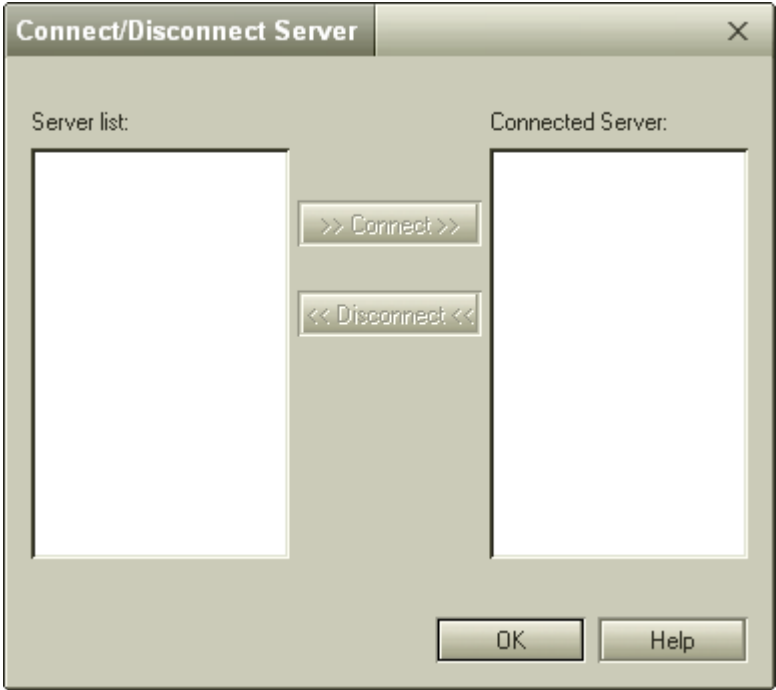
Using Network Cabinets

Giga Pocket Explorer enables you to connect to Video Capsules in network cabinets located on other computers in the network. These network cabinets can be accessed through the Giga Pocket Explorer main window when you are connected to the network.

Connecting to Network Cabinets

1. On the Giga Pocket Explorer menu, select **Network** and then **Connect/Disconnect**. The Connect/Disconnect Server dialog box appears.

Connect/Disconnect Server dialog box



2. Select the server you want to connect to from the Server list on the left side.
3. Click **Connect** to add the selected server to the Connected Server list, then click OK. The server is connected.
4. To disconnect, repeat step 1, then select the server you want to disconnect from the Connected Server list on the right.
5. Click **Disconnect**, then click **OK**. The server is disconnected.


Accessing the Giga Pocket Help

For more information about Giga Pocket Personal Video Recorder, follow these steps:

1. Click **Start** in the Windows® taskbar and select **All Programs**.
2. Select **Giga Pocket, Help**, and click **Giga Pocket Help**.

CLiÉ Converter

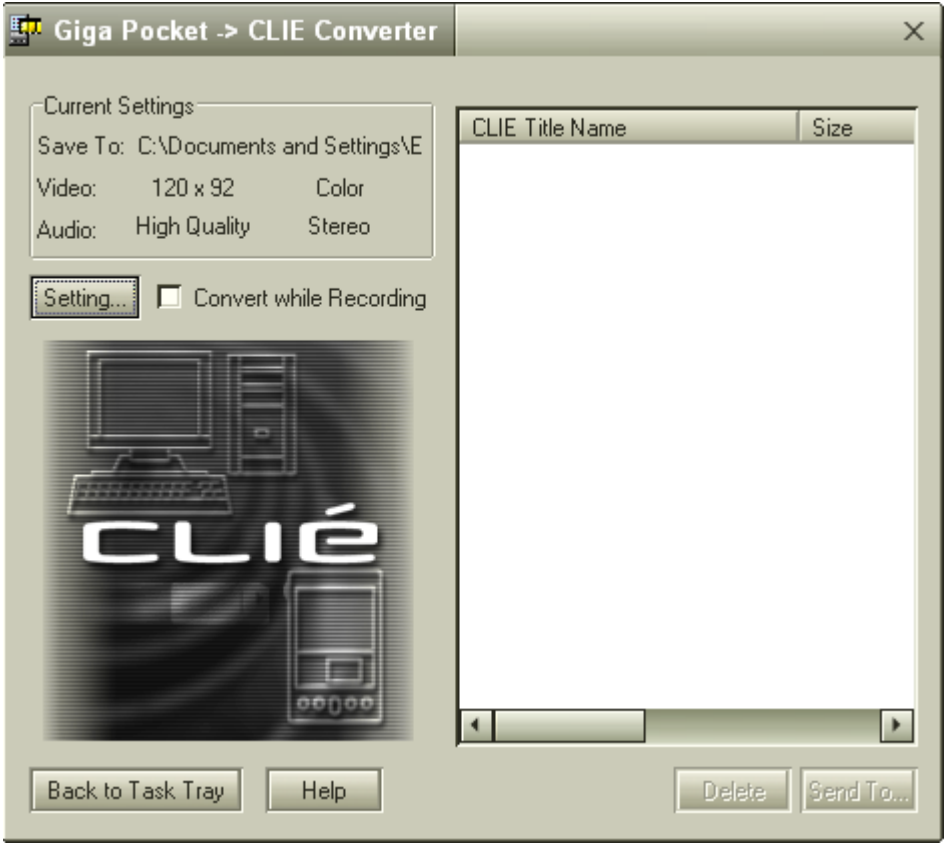
The CLiÉ Converter is a plug-in application that enables the conversion of Video Capsules into gMovie format. You are able to convert your Giga Pocket contents and HotSync® onto a Memory Stick® media for viewing with your Sony CLiÉ Handheld. In order to use the CLiÉ Converter plug-in application, make sure you have install all required software for the CLiÉ handheld.

 The Sony CLiÉ Handheld personal entertainment organizers provide a rich and compelling handheld computing experience. Powered by the Palm operating system, the CLiÉ handheld is ready to deliver music and video with amazing clarity. For more information on this exciting device, go to the Sony Style Web site at <http://sonystyle.com/vaio/clie>.

Starting CLIÉ Converter

- 1. Click **Start** in the Windows taskbar and point to **All Programs**.
- 2. Point to **Giga Pocket**, point to **Plug-ins**, and then click **CLIÉ Converter**. The **Giga Pocket -> CLIÉ Converter** dialog box appears.

Giga Pocket -> CLIÉ Converter main



Converting Video Capsules

1. From the **Giga Pocket -> CLIÉ Converter** dialog box, click the **Setting...** button. The Settings dialog box appears. Enter your desired settings and click **OK**.
2. Start Giga Pocket Explorer as follows:
 1. Click **Start** in the Windows taskbar, and then select **All Programs**.
 2. Select **Giga Pocket**, and then click **Giga Pocket Explorer**.
 3. Resize the Giga Pocket Explorer window so that the Giga Pocket -> CLIÉ Converter dialog box is visible.
 4. Click on the **Cabinet** icon to display the contents in the list area.
 5. Drag the Video Capsule from the Giga Pocket Explorer window and drop it in the list area of the Giga Pocket -> CLIÉ Converter main dialog box. The Video Capsule automatically converts into a video file.

During conversion, the Convert to CLIÉ dialog box appears, displaying the conversion status. When conversion is complete, the dialog box automatically closes.



The conversion process may take time, depending on the settings selected.

To convert multiple Video Capsules, hold down the Ctrl key while selecting Video Capsules in Giga Pocket Explorer. Drag and drop all selected capsules to the Giga Pocket -> CLIÉ Converter main window.

Transferring converted video files to a Memory Stick media

1. Insert a Memory Stick® media into the Memory Stick media slot on your computer.
2. From the **Giga Pocket -> CLIÉ Converter** main window, click to select the videos you want to transfer to the Memory Stick media.
3. Click **Send To**. The Send To dialog box appears.
4. Select **Using Memory Stick** as the transfer destination. Click **OK**.


During transfer, the Forwarding dialog box appears, displaying the transfer status. When transfer is complete, the GP2CLIE window appears. Click **OK**.

Your converted video files can be played back on CLIÉ Handhelds that support the use of a Memory Stick media.

Transferring converted video files using the HotSync® operation

You can transfer your converted video files directly to your CLIÉ Handheld, when you launch a HotSync operation.

1. From the **Giga Pocket -> CLIÉ Converter** main window, click to select the videos you want to transfer using the HotSync operation.
2. Click **Send To**. The Send To dialog box appears.
3. Select **Using HotSync** as the transfer destination. Designate a user name, if applicable to your handheld's configuration. Click **OK**.
4. The "Send to HotSync" message box appears. Follow the on-screen instructions and click **OK**.

 For more information about the HotSync operation, see the information supplied with your CLIÉ Handheld.

Accessing the CLIÉ Converter Help

For more information about using the CLIÉ Converter plug-in application, follow these steps:

1. Click **Start** in the Windows taskbar and point to **All Programs**.
2. Point to **Giga Pocket**, point to **Help**, and then click **CLIÉ Converter Help**.

Glossary

The most common terms for Giga Pocket Personal Video Recorder software are defined below.

- Cabinet** A cabinet acts as a container for Video Capsules in Giga Pocket Explorer. A network cabinet is located on other computers in a network environment.
- CATV** Refers to Community Access Television, otherwise known as cable television.
- Clip** A clip is a Video Capsule when it is stored in a Playlist.
- Cut** A cut is a selected scene taken from a previously recorded Video Capsule.
- Expiration date** A Video Capsule is stored on the hard disk drive for a preset period of time. When this time has expired, the Video Capsule is automatically deleted.
- Film roll** During Video Capsule playback, a snapshot view of the scenes are captured on a film roll. You can scroll freely through the film roll to view different scenes.
- GOP** Group of Pictures (GOP) are the smallest unit of measure for the images captured on a Video Capsule. A single GOP is approximately 0.5 to 1 second in length.
- HotSync®** Registered trade name for the method of linking between a handheld device and a larger computer, such as a desktop or notebook computer.
- Management information** Management information contains the creation date of Video Capsules and their thumbnails. This information is required for preview.
- MPEG file extension.** A file that contains compressed moving pictures using the MPEG standard, with.mpg as the file name extension.
- Safety Tab** Removing the safety tab from a Video Capsule prevents accidental erasing of your video data.
- Slip play** This feature allows you to view delayed video playback. While your recording is in progress, you are able to view the recording from the beginning.
- Snapshot** A snapshot is a miniature view displayed on the film roll in Giga Pocket, Playlist Builder, and the preview monitor in Giga Pocket Explorer.
- Stand by mode** Stand by mode is a power saving mode that is set up by using the Windows® operating system. Your computer stays in this power saving mode until approximately 5 minutes before the timer recording is due to begin.
- STB** Refers to set-top box, otherwise known as a cable box.
- Thumbnail** A thumbnail is a miniature view on recorded Video Capsules or in playback by Giga Pocket. The main thumbnail is displayed in calendar view or in the Giga Pocket Explorer list area.
- Timer recording** A timer recording is a preset video recording event.
- Video Capsule** A Video Capsule is a virtual container that holds the video images recorded with Giga Pocket Recorder. A Video Capsule is created on your computer hard disk drive and managed with Giga Pocket Explorer.

Accessing the Giga Pocket Help


For more information about Giga Pocket, follow these steps:

1. Click **Start** in the Windows taskbar and point to **All Programs**.
2. Point to **Giga Pocket**, point to **Help**, and then select **Giga Pocket Help**.

Internet Electronic Program Guide Service

Internet Electronic Program Guide is a free, online service that enables quick and easy access to your local TV listings. You can use the Internet Electronic Program Guide service with your Giga Pocket Personal Video Recorder for a "one-click" set up of timer recordings and record your favorite TV programs¹.

Giga Pocket Personal Video Recorder must be set up and configured correctly before you can use the Internet Electronic Program Guide service.


 You must read and accept the User Agreement before accessing the Internet Electronic Program Guide Web site (first time only).

The Internet Electronic Program Guide service is available only to users in the United States.

¹ Unauthorized duplication of audio or video files is a violation of applicable laws.

To set up your Internet Electronic Program Guide service

You must be connected to the Internet, before setting up your Internet Electronic Program Guide service.

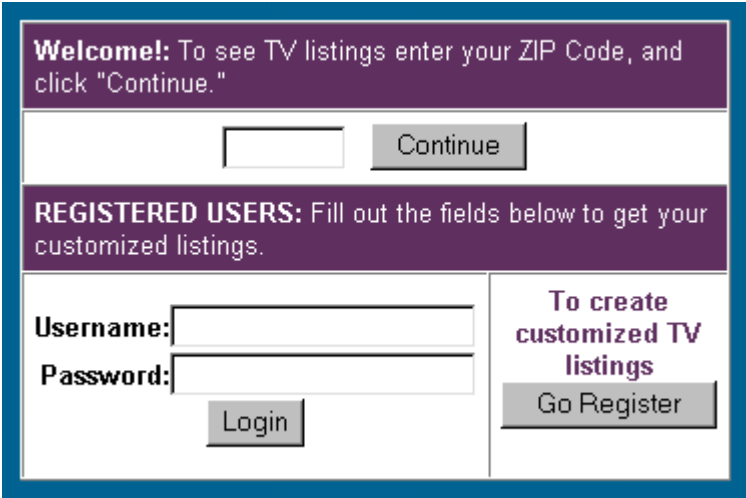
 Sony recommends using Microsoft® Internet Explorer as your Web browser to access the Internet Electronic Program Guide service.

To set up Internet Electronic Program Guide service, follow these steps:


1. Click **Start** in the Windows® taskbar and point to **All Programs**.
2. Point to **Giga Pocket**, then click **TV Program Web site**. Microsoft® Internet Explorer launches, and you are directed to the Internet Electronic Program Guide Web site.
3. The **Terms of Use** window appears. Click **I accept**, to continue.

The Welcome and Registration window appears.

Internet Electronic Program Guide Welcome and Registration window




4. In the **Welcome!** section, enter your 5-digit zip code and click **Continue**. The **Choose Your Provider** window appears, listing all TV providers or TV services available in your area.
5. Select your TV provider and then click **Confirm Channel Lineup**. The **Confirm Lineup** window appears, listing available channels by number and name.
6. Click **Yes** if the channel lineup is correct. Otherwise, click **No** and repeat steps 3 and 4 until you locate the correct channel lineup.
7. Your TV listings appear in table format, organized by time and channel. Click **Download All Channel Settings** to set your channels. The **Channel Information Converter** window appears, if this is the first time you have used this download feature. Click **OK**.

 Close all Giga Pocket applications before downloading your TV listings.

If you are using set-top box (STB) mode, you do not need to click Download All Channel Settings.

8. Verify the channel settings and click **OK**.
9. Your personal channel settings appear whenever you access the Internet Electronic Program Guide Web site.

 If your TV provider adds new channels or changes existing channels, an Update icon appears next to Download All Channel Settings. Click **Update** to add the new or updated channels to your personal channel setting.

Configuring Your VAIO Computer

This section provides basic information about managing your computer's hard disk drive performance, using i.LINK devices, Memory Stick media, PC Cards, and changing default settings.

- [About i.LINK Compatibility](#)
- [About the Memory Stick Media Slot](#)
- [About the PC Card Slot](#)
- [VAIO Action Setup](#)

About i.LINK Compatibility

Your VAIO® computer may be equipped with a 4-pin and/or a 6-pin i.LINK® port, depending on the system configuration purchased. A 4-pin i.LINK port cannot supply power to a connected i.LINK device. A 6-pin i.LINK port can supply power (10V to 12V) to a connected i.LINK device, if the device is equipped with a 6-pin connector.

To view the hardware configuration for your computer, see the online specifications sheet.



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

For PCV-W series models only

Your PCV-W series computer has a 4-pin i.LINK port¹ available to connect your digital device. A 4-pin i.LINK port does not supply power to a connected i.LINK device.





i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK devices to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

¹ The number and type of available i.LINK ports may vary, depending on the model purchased.

Connecting an i.LINK (IEEE 1394) device

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

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

VAIO® Action Setup manages the settings for your computer's Shortcut keys (S Keys).

Shortcut keys

The programmable S Keys are set to launch the following applications:

- **S1 Help** — VAIO Help and Support Center
- **S2 Mail** — Microsoft® Outlook® Express
- **S3 Internet** — Microsoft® Internet Explorer
- **S4 Music** — SonicStage
- **S5 TV** — Giga Pocket
- **S6 Picture** — PictureGear Studio



PCV-W series keyboard




Changing the settings of the S keys

You can reprogram the S keys to launch other applications.

1. Click **Start** in the Windows taskbar and select **All Programs**.
2. Select **S-key settings (VAIO Action Setup)**, then click **VAIO Action Setup**.

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

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

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

6. The Confirmation Application Name window appears. Click **Next**.
7. You may now type a new name and description, if desired. Then click **Finish**.

About the Memory Stick Media Slot

Your VAIO® computer is equipped with a Memory Stick® slot that supports certain types of Memory Stick® media.


About Memory Stick media

Memory Stick® media are a compact, portable, and versatile data storage media designed for exchanging and sharing digital data with compatible devices. The following types of Memory Stick media are available, but compatibility with your computer can vary.

- **MagicGate Memory Stick® media (MagicGate Memory Stick media)** — Provides copyright protection with authentication and encryption, using Sony® MagicGate technology. Authentication ensures that protected content is only transferred between compliant devices and media. Protected content can be recorded and transferred in an encrypted format that prevents unauthorized duplication or playback. You can store different data formats on a single Memory Stick media.
- **Memory Stick PRO media** — Provides MagicGate copyright protection and high-speed data transfer features when used with compatible Memory Stick PRO devices. VAIO® computers support Memory Stick PRO media for data storage purposes only. Currently, high-speed data transfer and the MagicGate technology features, such as authentication and encryption, are not available. You can store different data formats on a single Memory Stick media.
- **Memory Stick® media** — Provides data storage only. The Memory Stick media does not provide MagicGate technology or high-speed data transfer. You can store different data formats on a single Memory Stick media.

Currently, Sony® SonicStage and OpenMG software are not compatible with the new Memory Stick PRO media. Sony suggests using only MagicGate Memory Stick media to store and transfer any data created with SonicStage or OpenMG software.

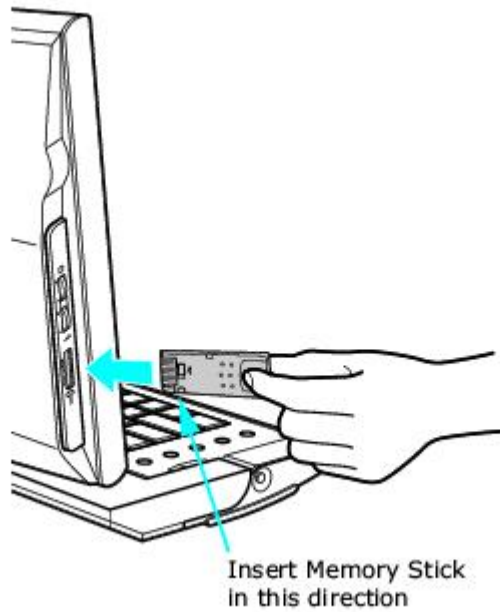
Visit the Sony Computing Support Web site at <http://www.sony.com/pcsupport> regularly for the latest information on Memory Stick® media.

 Memory Stick media do not support video file playback directly from the media. Copy the video file to your hard disk drive and then play back the file.

To insert a Memory Stick media

1. Insert the Memory Stick® media into the Memory Stick media slot, located on the left panel.

Inserting a Memory Stick media



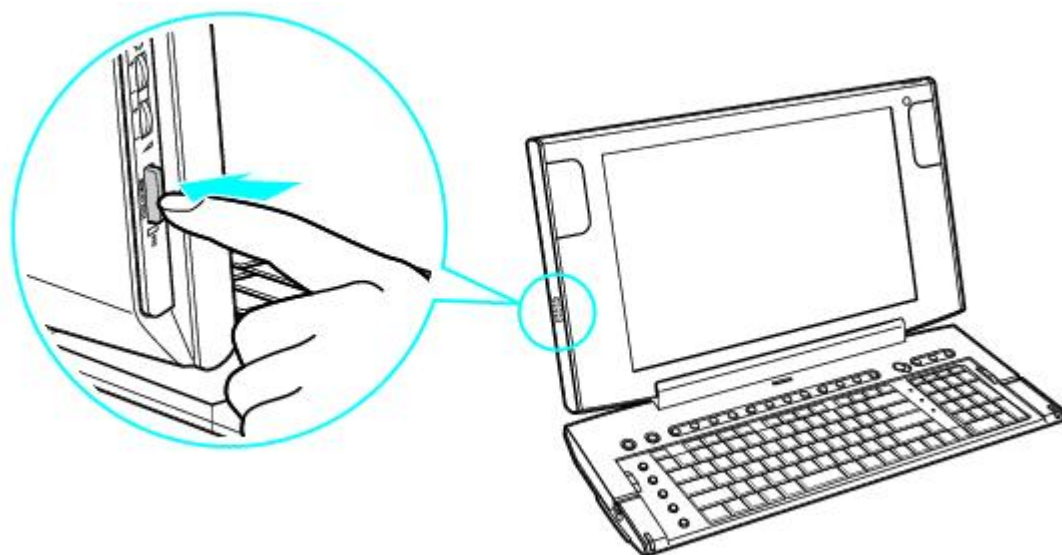
2. If the media does not insert easily, remove it from the slot and verify that it is not upside-down or backwards. Carefully reinsert the Memory Stick media, but do not force it into the slot.

To remove a Memory Stick media

A small portion of the Memory Stick® media remains extended when it is inserted into the Memory Stick media slot.


1. Press the extended Memory Stick media to release it from the Memory Stick slot. The media extends further, enabling you to grasp it.

Removing a Memory Stick Media



2. Carefully remove the Memory Stick media from the slot.

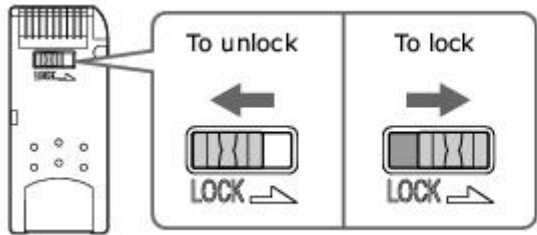
⚠ Do not remove the Memory Stick media while the media access indicator light is on. The media or its data may become damaged.

 Memory Stick media do not support AVI file playback. Copy the AVI file to your hard disk drive before attempting to play back the file.

Protecting data on Memory Stick media from accidental changes

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

Locking the Memory Stick Media



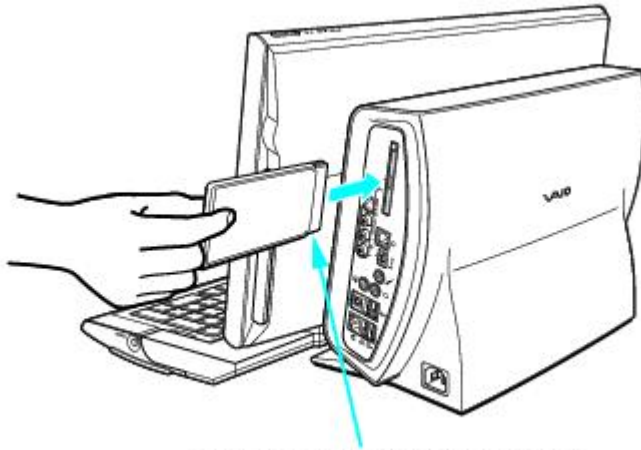
About the PC Card Slot

Your computer has a card bus PC Card slot that supports Type I or Type II PC (PCMCIA) Cards. You do not need to shut down your computer when inserting a PC Card. For more information, see the instructions supplied with your PC Card.


Inserting a PC Card


1. With the label facing up, insert the PC Card into the PC Card slot.

Inserting a PC Card




Insert a PC Card in this direction

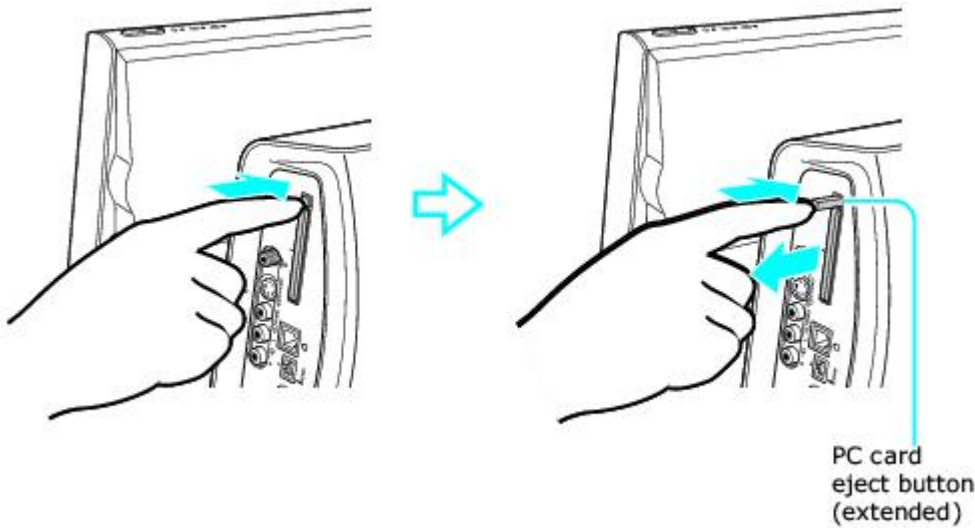
2. Push the PC Card gently into the slot. The card is automatically detected and the  **Safely Remove Hardware** icon appears in the Windows® taskbar.

 If the PC Card does not insert easily, remove it from the PC Card slot and verify that it is not upside-down or backwards. Carefully reinsert the PC Card, without forcing it into the slot.


Removing a PC Card

1. Close all applications that may access the PC Card to avoid data loss.
2. Double-click the  **Safely Remove Hardware** icon in the Windows® taskbar.
3. Click to select the name of the card that you want to eject and click **Stop**. The Stop a Hardware Device window appears. Click **OK**.
4. When the message "Safe to Remove Hardware" appears, push the PC Card Eject button on the right panel of the system unit. Be sure to extend the Eject button out from the computer before attempting to eject the card.

Removing a PC Card



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

 If you remove the PC Card incorrectly, your computer may not work properly.

In the future you may want to increase the functionality of your VAIO computer. This section provides information about upgrading and maintaining your system.

- [Overview](#)
- [Installing Memory](#)
- [Replacing the Lithium Battery](#)
- [Replacing a Hard Disk Drive](#)

Sony recommends contacting your local dealer for upgrade or maintenance of your new computer. Your local dealer is knowledgeable of this specialized personal computer and familiar with the safety practices and regulatory compliance required for using and modifying electronic equipment.



To view the hardware configuration for your computer, see the online specifications sheet.

Before upgrading your computer

The upgrading procedures described in this section assume that you are familiar with the general terminology associated with personal computers and with the safety practices and regulatory compliance required for using and modifying electronic equipment.

Disconnect the computer from its power source and from telecommunications links, networks, or modems before you open the unit or follow any procedures described in this section.



Failure to disconnect your computer from its power source may result in personal injury or equipment damage.

Your computer may not be equipped with all of the hardware features mentioned in this section. The interior configuration of your system may vary from the illustrations, depending on the computer purchased.



Electrostatic discharge (ESD) can damage disk drives, add-on cards, and other components. Follow the procedures described in this section, only at an ESD workstation. If such a station is not available, do not work in a carpeted area and do not handle materials that produce or hold static electricity (for example, cellophane wrappers). Ground yourself by maintaining continuous contact with an unpainted metal portion of the chassis while performing the procedure.

Always turn the power off before you open the system or connect your computer to peripheral equipment. Otherwise, damage may occur to the integrated circuits in your computer.

Installing Memory

The amount of preinstalled memory may vary, depending on the system configuration you purchased. Your computer may ship with all available memory slots filled. See the online specifications sheet for details about the memory installed in your computer.

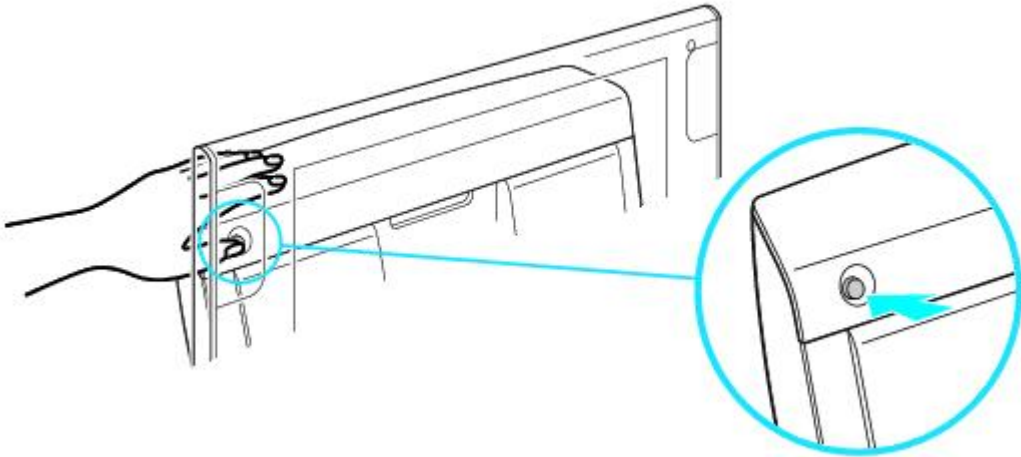


Observe the proper safety precautions when you add or remove the memory in your computer. See [Before upgrading your computer](#)

Removing the system unit cover

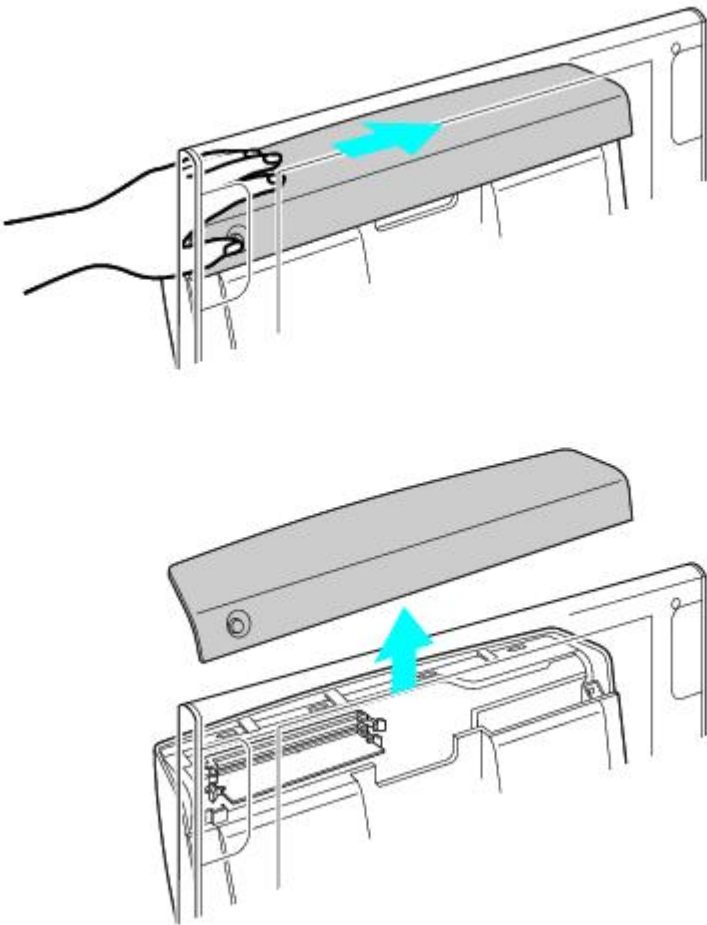
- 1. Shut down your computer and turn off all peripheral devices, such as your printer.
- 2. Unplug your computer and disconnect any peripheral devices.
- 3. Locate and press the release button on the side of the system unit cover.

Locating the cover release button



- 4. With the release button depressed, slide the cover to the right and lift away from the system unit.

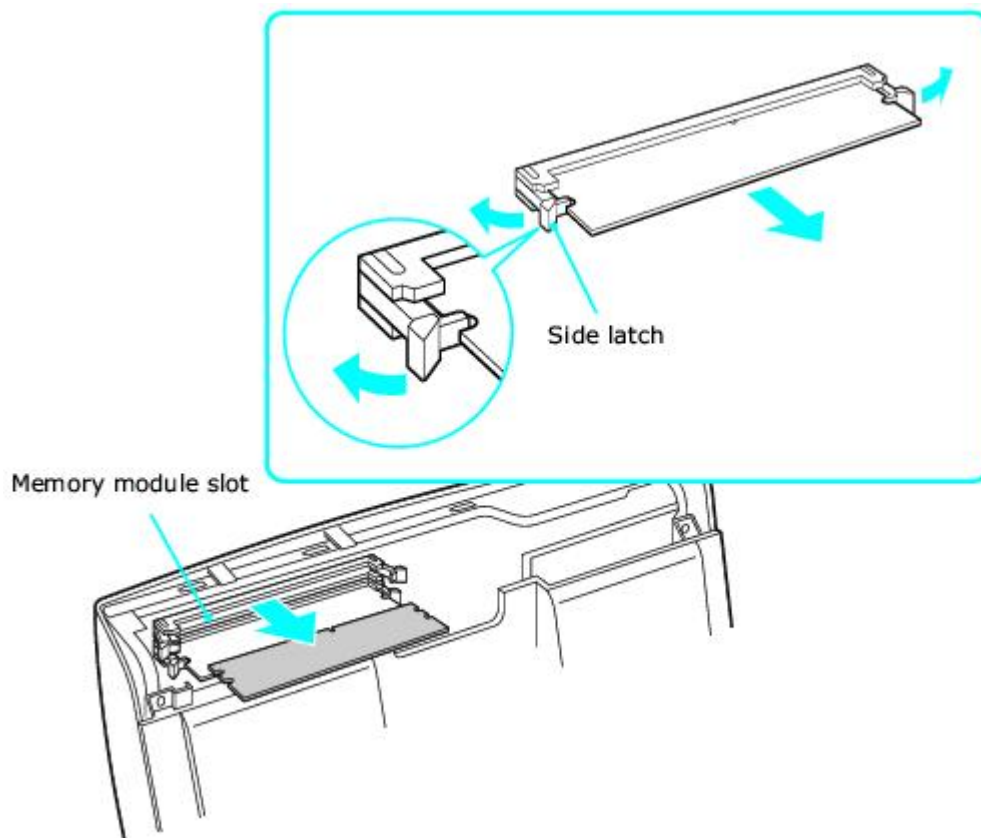
Removing the cover



Removing a memory module

1. Locate the memory module(s) you wish to remove.
2. Push down on the latches, located on both sides of the module, to gently eject it from the slot.

Removing a memory module

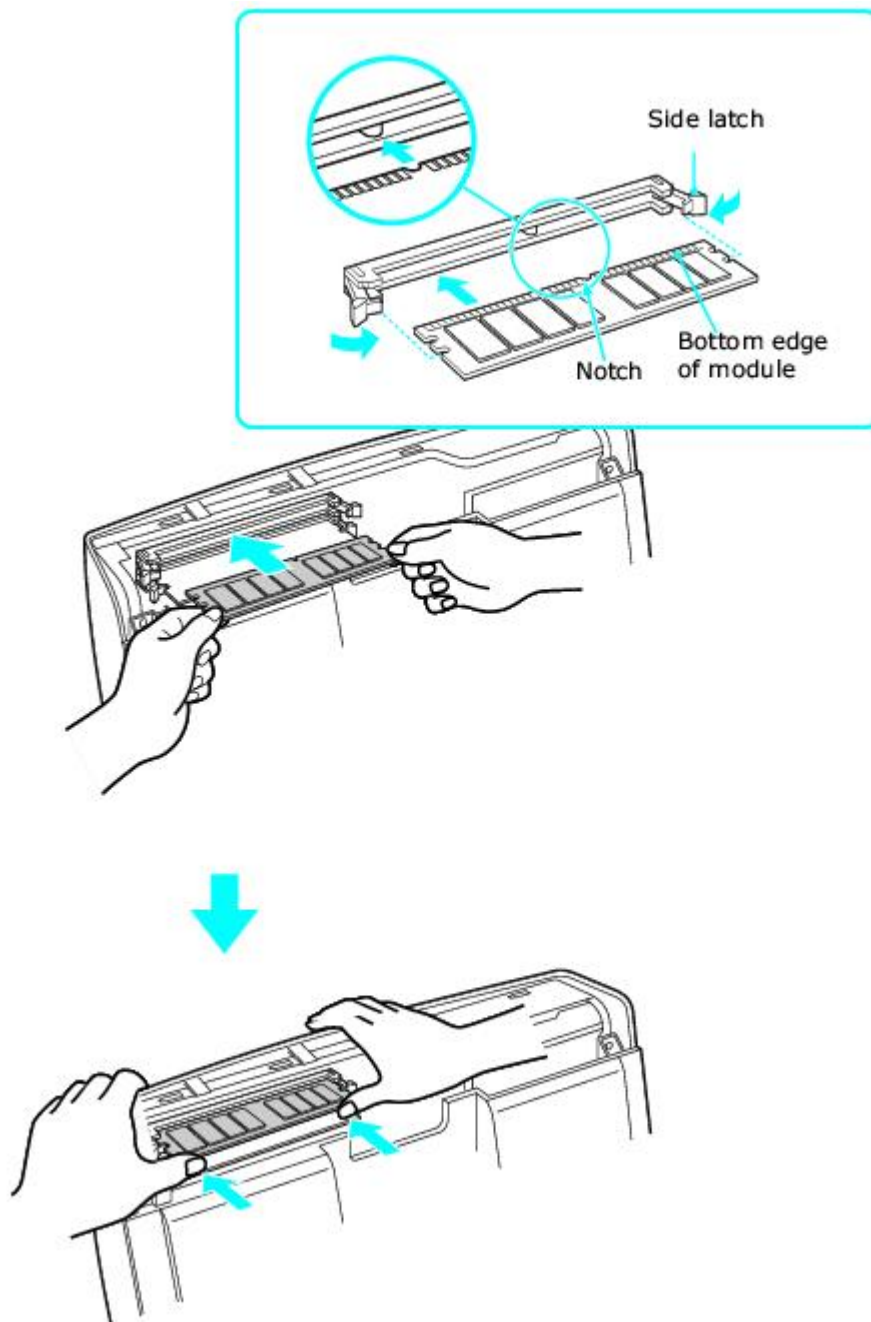


3. Hold the module by the sides and store it in a static-free bag.

Installing a memory module

1. Remove the memory module from its anti-static package, handling it by the edges.
2. Locate the notch on the bottom edge of the module and align the module to the open memory module slot.

Installing a memory module



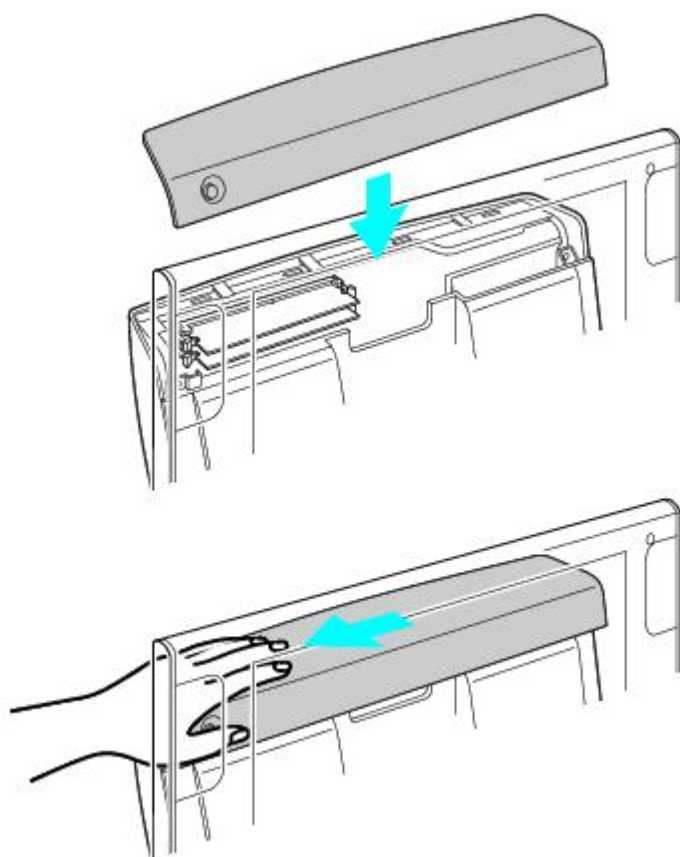
3. Firmly insert the bottom edge of the module into the slot.
4. Press down evenly against the module's upper corners. The side latches snap into position, holding the memory module in place.

⚠ To avoid damaging a memory module or the memory module slot, move the side latches slightly outward to relieve pressure. The module is properly inserted when the side latches click into place.

Replacing the system unit cover

1. Align the tabs on the cover to the tracks on the system unit's chassis.
2. Gently slide the cover to the left, until the tabs lock the cover into place.

Replacing the cover



Replacing a Hard Disk Drive

Your computer has an installed ATA-100, 3½-inch hard disk drive. Do not attempt to replace the hard drive. Contact your local dealer for replacement or upgrade of the hard disk drive.

About Replacing the original hard disk drive


If you replace the original, factory-installed hard disk drive, your system cannot restore the drive partitions, operating system, or original software, using the preinstalled Hard Drive Recovery utility.

The Hard Drive Recovery utility is a quick and easy-to-use program that can restore your system if it becomes unstable or stops working properly.

To enable you to recover your system with the VAIO Recovery utility, you can purchase a Partition Recovery CD Assembly (Partition Recovery ASSY) to restore your system.

Follow these steps to order the Partition Recovery CD Assembly:

1. Connect to the Internet.
2. Go to the Sony Direct Accessories and Parts Center Web site at <http://servicesales.sel.sony.com>.
3. In the section, **Search by Model for Accessories**, type in your computer model and click **List Parts and accessories**.
4. From the list of accessories, locate the Partition Recovery ASSY and click the option, **Add to Cart**.
5. Click **Continue to Check Out**, and follow the on-screen instructions to complete your purchase.

 If you are not able to access the Sony Direct Accessories and Parts Center Web site, contact a customer service representative at 1-800-488-7669.

For more information about hard disk drive recovery:

1. Click **Start** in the Windows® taskbar, then click **Help and Support**.
2. From the **VAIO Help and Support Center** menu, click **VAIO Recovery Options**.

Replacing the Lithium Battery

The lithium battery weakens after several years and the system settings, such as the date and time stored in CMOS RAM, may become inaccurate. If this occurs, contact your local dealer to replace the lithium battery.



There is danger of the battery exploding if it is replaced incorrectly. Contact your local dealer to replace the lithium battery. Replace the battery only with a CR2032-type lithium battery.

Dispose of the lithium battery properly. In some areas, the disposal of lithium batteries in household or business trash may be prohibited. You can return your unwanted lithium batteries to your nearest Sony Service Center or Factory Service Center. To locate a Service Center near you, visit the Sony Computing Web site at <http://www.sony.com/pcsupport>.

Troubleshooting

This section describes how to troubleshoot common problems. You can also find helpful information on how to use your computer's hardware features and preinstalled software. Your computer may not be equipped with all of the features or software discussed in this section, depending on the system configuration purchased.

- [About VAIO Computer Functions](#)
- [About Using the Optical Disc Drive\(s\)](#)
- [About the Mouse and Keyboard](#)
- [About the Modem](#)
- [About the Speakers](#)
- [About Using a Microphone](#)
- [About Using Peripheral Equipment](#)

My computer does not start.

- Verify that the computer is plugged into a power source and that it is turned on. Check that the power indicator is lit on the front panel of the computer.
- Confirm that a disk is not in the floppy disk drive¹ (unless you are using a bootable floppy disk).
- Confirm that a CD is not in an optical drive (unless you are using a bootable CD).
- Confirm that the power cord and all cables are connected firmly.
- If you plugged the computer into a power strip or Uninterruptible Power Supply (UPS), make sure the power strip or UPS is turned on and working.
- Verify that the monitor is plugged into a power source and turned on.

If your system has a built-in monitor, confirm that it is plugged into an appropriate power source and that the system is turned on.

- Verify that the brightness or contrast control dials are adjusted correctly. (See the manual that came with your display for details.)
- Confirm that the computer is not in stand by mode by pressing any key on the keyboard.

¹ Certain VAIO computers are not equipped with a floppy disk drive. You can purchase this equipment separately.

My computer does not start.

- Verify that the computer is plugged into a power source and that it is turned on. Check that the power indicator is lit on the front panel of the computer.
- Confirm that a disk is not in the floppy disk drive¹ (unless you are using a bootable floppy disk).
- Confirm that a CD is not in an optical drive (unless you are using a bootable CD).
- Confirm that the power cord and all cables are connected firmly.
- If you plugged the computer into a power strip or Uninterruptible Power Supply (UPS), make sure the power strip or UPS is turned on and working.
- Verify that the monitor is plugged into a power source and turned on.

If your system has a built-in monitor, confirm that it is plugged into an appropriate power source and that the system is turned on.

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- Confirm that the computer is not in stand by mode by pressing any key on the keyboard.

¹ Certain VAIO computers are not equipped with a floppy disk drive. You can purchase this equipment separately.

Why did my computer or software stop responding?

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

1. Press the **Ctrl+Alt+Delete** keys. The Windows Task Manager window appears.
2. From the Applications tab, locate the application that has the status message, "**Not responding.**"
3. Select the application that has a **Not Responding** status and click **End Task**. Windows attempts to close the application.

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

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

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

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



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

Why does the Windows operating system stop responding during shutdown?

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

1. Click **Start** in the Windows taskbar and select **Help and Support**. The **VAIO Help And Support Center** menu appears.
2. Select **Fixing a Problem** and then select **Startup and Shut Down problems**. A list of specific problem topics appears on the right side of the dialog box.
3. Select **Startup and Shutdown Troubleshooter**. Follow the on-screen instructions according to your specific situation.

Why is my system running slowly?

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

To access the online User Guide:

1. Click **Start** in the Windows taskbar, and then click **Help and Support**.
2. From the **VAIO Help And Support Center** menu, click **VAIO User Guide**.

How do I change the video resolution of my display?

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

About Giga Pocket Personal Video Recorder

This section describes how to troubleshoot common problems you may encounter when using Giga Pocket Personal Video Recorder functions. Many problems have simple solutions, so try these suggestions before you contact Sony Customer Support.

Why can't I see an image or an image that is displayed properly when I am using a VCR?

Some images from an externally-connected video player device or a video game console, may not display or are not displayed correctly. These images include:

- Images from a playback screen that is in pause mode.
- Menu screens of the connected video player device.
- The end of the film roll being played back using the scroll bar.
- Video output from a video game console.
- Video output from a VCR, using a coaxial cable.

Giga Pocket cannot record or display all video images from this source.

Why does my Giga Pocket viewing window or the images played back from a Video Capsule, appear distorted or corrupted?

There are some situations where screen or image distortion may occur, such as:

- When you change the channel on the video player device.
- If there is a damaged section on your video tape.

When using Giga Pocket Personal Video Recorder, set your display settings as follows:

- **Colors**—Use the default factory settings (32-bit).
- **Screen area**—Set your video resolution to 1024 x 768 pixels.

If you use other settings, you may experience poor image quality on your display.

Why does my system seem to slow down when I play a Video Capsule?

Your computer may respond slower if you try to play back a Video Capsule while recording a TV program with Giga Pocket. During a timer recording, Giga Pocket may interrupt or stop your Video Capsule playback to prioritize your computer's resources for the timer recording. If this occurs, wait until the timer recording session has completed, and then play back the Video Capsule.

Why did I get the error message, "Event buffer of audio overflow?"

The timer recording may fail in certain situations, such as:

- The coaxial cable (input) is disconnected after recording has started.
- The TV channel has lost broadcast signal during the recording session.
- Video content being recorded has poor signal quality.

Why did my on-screen display shift or split?

Your on-screen display may shift or split in rare instances. If this should occur, switch the TV/Recording deck and the playback deck, or try switching the channel. Your timer recording continues even if the on-screen display has shifted or split.

Why did Giga Pocket stop allowing me to create new Video Capsules?

You cannot create a new Video Capsule when the remaining free space on your hard disk drive reaches approximately 100 MB. Delete any unnecessary Video Capsules or files to increase the free space on your hard drive.

About Using the Optical Disc Drive(s)

Your computer may not be equipped with all of the hardware features listed in this section. To view the specific hardware configuration for your system, see the online specifications sheet.


Why doesn't my optical drive tray open?

To use the Eject button

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

To use the My Computer icon

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

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

Why can't I play a DVD or CD media?

- After inserting your CD or DVD, wait a few seconds for the system to detect it before trying to access it.
- Confirm that the disc is in the tray with the label side facing up.
- Install your CD or DVD software according to the manufacturer's instructions.
- If your drive reads some DVDs or CDs, but not others, check the shiny side of the disc for dirt or scratches.
- The preinstalled CD or DVD software may not be working properly. To recover this software, see the online guide, *VAIO Recovery Options*, for more information.

To access *VAIO Recovery Options*, follow these steps:

1. Click **Start** in the Windows® taskbar and click **Help and Support**.
2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

Why isn't my DVD playing properly?

- If a region code warning appears when you are using the DVD player application, it may be that the region code of the DVD you are trying to play is incompatible with the region code setting of your optical drive. A region code is listed on the disc packaging. Region code indicators such as "1" or "ALL" are labeled on some DVDs to indicate the type of player that can play the disc. Unless a "1" or "ALL" appears on the DVD or on its packaging, you cannot play the disc on this system.
- If you hear audio but cannot see video, your computer's video resolution may be set too high. To improve video resolution, verify that your screen area is set to 1024 x 768¹, using 32-bit color (preset factory default). To verify or change your video resolution:
 1. Click **Start** in the Windows taskbar and then select **Control Panel**.
 2. Select **Appearance and Themes**, then select **Change the screen resolution**.
 3. Click the **Settings** tab.
 4. Change the Screen resolution and Color quality to the desired levels.
 5. Click **Apply** and then click **OK**.
- If you see video but cannot hear audio, check all of the following:
 1. Verify that your DVD player's mute feature is turned off.
 2. Check the master volume setting in the Audio Mixer.
 3. Check the volume settings on your computer speakers.
 4. Check the connections between your speakers and the computer.
 5. Verify that drivers are installed properly, by following these steps:
 1. Click **Start** in the Windows taskbar, then select **Control Panel**.
 2. Click **Performance and Maintenance** and then click **Systems**. The System Properties dialog box appears.
 3. Select the **Hardware** tab and then select the **Device Manager** button to view installed drivers.
- A dirty or damaged disc may also cause the computer to stop responding while it tries to read the disc. If necessary, remove the disc and check that it is not dirty or damaged.
- The preinstalled CD or DVD software may not be working properly. To recover this software, see the online guide, *VAIO Recovery Options*, for more information.

To access *VAIO Recovery Options*, follow these steps:

1. Click **Start** in the Windows® taskbar and click **Help and Support**.
2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

¹ The VAIO "W" series computer uses 1280 x 768 for the default video resolution setting.

Why doesn't my mouse work properly?

- Confirm that the mouse is plugged securely into the mouse port. If you are using a USB mouse, verify that the mouse is plugged securely into the appropriate USB port.
- Save and close all open applications. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- If you are using an optical mouse, use an appropriate surface to ensure proper mouse tracking. A good mouse surface requires a certain amount of detail or texture to enable mouse tracking.
 - Use surfaces such as plain paper, card stock, or fabric that do not have a lot of repetitive patterning.
 - Avoid surfaces such as mirrors, smooth glass, or magazines.
 - Avoid possible damage to easily-scratched surfaces by using a mouse pad.
 - Avoid surfaces that may damage or soil your optical mouse. Dirt or damage may cause the mouse to malfunction.
 - If the cursor is not moving properly, try using the mouse on another mousing surface or using a mouse pad.
- If you are using a trackball mouse, there may be dust or dirt inside the mouse mechanism. To clean the mouse, follow these steps:
 - Save and close all applications, and turn off your computer.
 - Turn the mouse upside down.
 - Remove the mouse ball cover on the back of the mouse by turning clockwise the ring that covers the mouse ball.
 - Turn the mouse upright, and drop the mouse ball into your hand.
 - Using a piece of tape, remove any dust or dirt on the mouse ball and inside the mouse ball socket.
 - Return the mouse ball to the socket, and replace the mouse ball cover. Secure the cover by turning the ring counter-clockwise.
- The mouse driver(s) may not be working properly. To recover your mouse drivers, see the online guide, *VAIO Recovery Options*, for more information.

To access *VAIO Recovery Options*, follow these steps:

- Click **Start** in the Windows® taskbar and click **Help and Support**.
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To access *VAIO Recovery Options*, follow these steps:

- Click **Start** in the Windows® taskbar and click **Help and Support**.
- From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

How do I set up my mouse for left-hand use?

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

Why doesn't my keyboard work properly?

- Check that the keyboard¹ is securely plugged into the keyboard port.
- Save and close all open applications. Turn off your computer, wait approximately 10 seconds, and then restart your computer.

¹The VAIO "W" series computer has a built-in keyboard.

Why is my modem connection slow?

Many factors can influence modem connection speed, such as:

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

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

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

Why is my modem connection slow?

Many factors can influence modem connection speed, such as:

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

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

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

Why doesn't my modem work properly?

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

- Check that the telephone line is plugged into the modem line jack.
- Check that the telephone line is working properly. You can verify the line by plugging in an external device such as a standard telephone or fax machine and listening for a dial tone.
- Check that the access telephone number (POP) is correct.
- All software applications that are preinstalled by Sony are compatible with your computer's modem. If you have installed other software, contact the software publisher for information on how to configure the software in order to recognize the modem.
- If it appears that your modem is not functioning properly, check the device status.
 1. Click **Start** in the Windows taskbar, then click **Control Panel**.
 2. Click **Printers and Other Hardware** and then select **Phone and Modem Options**.
 3. From the **Modems** tab, click to select your modem.
 4. Click **Properties**. The Modem Properties window appears.
 5. Review the information in the Device status section. If your modem is not working properly, click the **Troubleshoot** button. The VAIO Help and Support Center window appears.
 6. Follow the on-screen instructions to resolve the problem.
- The modem driver(s) may not be working properly. To recover your modem drivers, see the online guide, *VAIO Recovery Options*, for more information.

To access *VAIO Recovery Options*, follow these steps:

1. Click **Start** in the Windows® taskbar and click **Help and Support**.
2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

How do I change my modem to rotary or Touch-tone dialing?

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

Why is there no sound in any application?

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

To access *VAIO Recovery Options*, follow these steps:

1. Click **Start** in the Windows® taskbar and click **Help and Support**.
2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

For PCV-W series models only

- Adjust the volume control dial, located on the left panel, to adjust speaker volume.
- The speakers continue to produce sound even when headphones have been connected. If you want to use your own headphones instead of the supplied speakers, adjust the volume control dial, located on the left panel, to mute the sound from the built-in stereo speakers.

Why is there no sound in any application?

- Check that the speakers are plugged into the Headphones jack.
- If your speakers have a mute button, verify that it is turned off.
- If your speakers are powered by batteries, verify that the batteries are inserted properly and that they are charged.
- If your speakers use an external power source, verify that the power cord is plugged into a grounded wall outlet or power strip.
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- Check that the Mute check box is not selected in the Windows volume control.
- The sound driver(s) may not be working properly. To recover your sound drivers, see the online guide, *VAIO Recovery Options*, for more information.

To access *VAIO Recovery Options*, follow these steps:

1. Click **Start** in the Windows® taskbar and click **Help and Support**.
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For PCV-W series models only

- Adjust the volume control dial, located on the left panel, to adjust speaker volume.
- The speakers continue to produce sound even when headphones have been connected. If you want to use your own headphones instead of the supplied speakers, adjust the volume control dial, located on the left panel, to mute the sound from the built-in stereo speakers.

Why doesn't my microphone work properly?

Check that the microphone is plugged into the Microphone jack.

Why doesn't my microphone work properly?

Check that the microphone is plugged into the Microphone jack.

Why is my microphone so sensitive to background noise?

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


1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Sounds, Speech, and Audio Devices**, then click **Sounds and Audio Devices**.
3. From the **Audio** tab, locate the **Sound recording** section and click **Volume**. The **Recording Control** dialog box appears.

If the volume control for the microphone is visible, skip to step 6.


4. Select the **Options** menu and click **Properties**. The **Properties** dialog box appears.
5. In the section, **Show the following volume controls**, select the **Recording** option. Click **OK**.
6. From the **Recording Control** dialog box, decrease the microphone volume level by moving the slider bar down.
7. Close the **Recording Control** dialog box and then close the **Sounds and Audio Devices Properties** window.

How do I install a printer?

- Connect your USB or IEEE 1394 printer to the appropriate port on your computer's front, back or side panels¹. If your printer has a USB, IEEE 1394, or infrared connection, contact the printer manufacturer for information or updates that may be required for proper installation.
- Check the printer manufacturer's Web site for the latest drivers for your operating system before proceeding with installation. Some printers do not function properly without the updated drivers for specific operating systems.
- To install your printer, follow these steps:
 1. Click **Start** in the Windows taskbar, then click **Control Panel**.
 2. Click **Printers and Other Hardware**, then click **Add a Printer**.
 3. From the **Add Printer Wizard**, click **Next**.
 4. Select **Local Printer**, then click **Next**.

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

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


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

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


¹ The location of the connection ports for peripheral equipment may vary, depending upon your computer's hardware configuration.

How do I install a printer?

- Connect your USB or IEEE 1394 printer to the appropriate port on your computer's front, back or side panels¹. If your printer has a USB, IEEE 1394, or infrared connection, contact the printer manufacturer for information or updates that may be required for proper installation.
- Check the printer manufacturer's Web site for the latest drivers for your operating system before proceeding with installation. Some printers do not function properly without the updated drivers for specific operating systems.
- To install your printer, follow these steps:
 1. Click **Start** in the Windows taskbar, then click **Control Panel**.
 2. Click **Printers and Other Hardware**, then click **Add a Printer**.
 3. From the **Add Printer Wizard**, click **Next**.
 4. Select **Local Printer**, then click **Next**.

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

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6. Select the appropriate printer manufacturer and model.
7. Follow the on-screen instructions to print a test page and complete printer installation.

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

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

¹ The location of the connection ports for peripheral equipment may vary, depending upon your computer's hardware configuration.

The connected printer does not function properly when the computer resumes from a power saving mode.

- Clear the printer memory by turning the printer off for approximately 10 seconds, and then turning it back on.
- If your printer does not resume normal operations, try restarting your computer.

The information in this section provides basic procedures for handling your system and common peripheral devices, using storage media, and locating upgrade procedures. A support resource listing is also provided to help you locate the appropriate support options.

- [About the Power Source](#)
- [About Disposing of the Lithium Battery](#)
- [About Handling the Computer System](#)
- [About Handling a Monitor \(Display\)](#)
- [About Recording and Data Storage Media](#)

About the Power Source

Before opening your computer, turn the system off and let it cool down for 10 minutes. This protects you against internal components that may be too hot to handle.

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


About Giga Pocket Personal Video Recorder

The information in this section provides general guidelines to follow when using Giga Pocket Personal Video Recorder.

Display setup

Always set up your display as follows, when you use Giga Pocket Personal Video Recorder software:

- **Color quality:** Use factory default settings (32-bit).
- **Screen resolution:** Set to 1024 x 768 pixels. Using other display settings may cause an improper screen image or an incorrect recording by Giga Pocket software.

 Some displays may require the screen resolution to be set to 1280 x 1024 pixels. For information on your display's setting requirement, see the instructions supplied with your display.
- Check your display setup in the Microsoft® Windows® operating system before starting up Giga Pocket software. For more information, refer to the operating system manual.
- Do not change the display setup while Giga Pocket is running, or your system may operate improperly.

Hard disk drive

- When the available free space on your hard disk approaches 100 MB, you are not able to create a new Video Capsule. Delete unnecessary Video Capsules or files in order to increase available space on your hard disk drive.
- If you directly delete, move, or rename a file in the D:\Giga Pocket folder, Giga Pocket Personal Video Recorder features may not work properly.

Network

- Microsoft® Windows® XP operating system supports a single Giga Pocket user at any given time. Even if a different user logs on using the fast switch feature, Giga Pocket is not available to any other user account. For more information, see the Giga Pocket Help.
- Microsoft Windows XP operating system supports a single Giga Pocket user at any given time. If a different user logs on using the fast switch feature, the Timer Recording feature is not available to another user account. The Timer Recording Manager icon appears in the task tray of the 1st user to log on.

About Disposing of the Lithium Battery

Dispose of the lithium battery properly. In some areas, the disposal of lithium batteries in household or business trash may be prohibited. You can return your unwanted lithium batteries to your nearest Sony Service Center or Factory Service Center. For the Sony Service Center nearest you, visit the Sony Computing Support Web site at <http://www.sony.com/pcsupport>.



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

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

About Handling the Computer System

Your computer uses high-frequency radio signals and may cause interference to radio or TV reception. If this occurs, relocate the computer a suitable distance away from the TV or radio equipment.

- Do not place your Sony computer in a location subject to:
 - Heat sources, such as radiators or air ducts
 - Direct sunlight
 - Excessive dust
 - Mechanical vibration or shock
 - Strong magnets or speakers that are not magnetically shielded
 - Ambient temperature of more than 95°F (35°C) or less than 50°F (10°C)
 - High humidity, moisture, or rain
- Do not place electronic equipment near your computer. The computer's electromagnetic field may cause a malfunction.
- Provide adequate air circulation to prevent internal heat build-up. Do not place your computer on loose surfaces (such as rugs or blankets) or near materials (such as curtains or draperies) that may block its ventilation slots. Leave a space of at least 8 inches from the back panel of your computer.
- Clean the cabinet with a soft, dry cloth or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine, as it may damage the finish of your Sony computer.
- Should any solid object or liquid fall into the cabinet, keyboard, or mouse, shut down your computer and then unplug it. You may want to have the computer checked by qualified personnel before operating it any further.
- Use only specified peripheral equipment and interface cables; otherwise, problems may result.
- Do not use cut or damaged connection cables.
- Always switch the power off before connecting your computer to peripheral equipment; otherwise, damage may occur to the integrated circuits in your computer.
- Your computer, keyboard, and mouse consist of high-precision electronic parts. Do not drop them or bump them against other objects.
- Your Sony computer does not work with party lines, cannot be connected to a coin-operated telephone, and may not work with multiple telephone lines or a private branch exchange (PBX).
- If the telephone company makes a service call to your home or office and determines that your computer is responsible for the problem, the telephone company may bill you for the service call. If you do not disconnect your computer when it is adversely affecting the telephone line, the telephone company has the right to disconnect your service until you correct the problem.

Moisture condensation

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

The hard disk drive

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

About Handling a Monitor (Display)

- DVD playback and certain video-related software may not function correctly when your monitor is set to a high refresh rate. If your monitor does not play back video content properly, try setting the display to a lower refresh rate.
- Do not place the display near a strong magnetic force.
- Do not block the ventilation slots on the display.
- Using the computer in low temperature conditions may produce a residual image on the screen. This is not a malfunction. When the computer returns to normal temperature, the screen returns to normal.
- A residual image may appear on the screen if the same image is displayed for a lengthy period of time. The image disappears after a period of time. You can use a screen saver to prevent residual images.
- The screen becomes warm during operation. This is normal and does not indicate a malfunction.

About handling an LCD monitor¹ (display)

- Do not place the display near a strong magnetic force.
- Do not block the ventilation slots on the display.
- Using the computer in low temperature conditions may produce a residual image on the screen. This is not a malfunction. When the computer returns to normal temperature, the screen returns to normal.
- A residual image may appear on the screen if the same image is displayed for a lengthy period of time. The image disappears after a period of time. You can use a screen saver to prevent residual images.
- The screen becomes warm during operation. This is normal and does not indicate a malfunction.
- Do not leave the LCD in direct sunlight, as this may damage the screen. Use caution when using the computer near a window.
- Do not exert pressure on the LCD or scratch the surface, as this may cause the screen to malfunction.
- The LCD screen is manufactured using high-precision technology. On occasion, you may see tiny black or colored points on the LCD. This is normal and does not indicate a malfunction.
- Avoid rubbing the screen, as this can damage the LCD. Use a soft, dry cloth to clean the display.

¹ The PCV-W series models have a built-in LCD monitor

Handling CD or DVD media

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

Cleaning CD or DVD media

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

Using Memory Stick media

- MagicGate Memory Stick and Memory Stick PRO media are the only media that support MagicGate technology. Currently, Sony® SonicStage and OpenMG software are not compatible with the new Memory Stick PRO media. Sony suggests using only the MagicGate Memory Stick media to store and transfer any data created with SonicStage and OpenMG software.
- Currently, the Memory Stick slot on VAIO® computers does not support the high-speed data transfer or access control features of the new Memory Stick PRO media.
- Visit the Customer Support Web site at <http://www.sony.com/pcsupport> regularly for the latest information on the new Memory Stick PRO media.

Handling floppy disks¹

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

¹ The VAIO "W" series computer is not equipped with a floppy disk drive. You can purchase a floppy disk drive separately.

Support Options

Sony provides several options to help solve common problems or to locate support for your VAIO® computer. This section describes all available resources and offers suggestions on how to access this information for maximum results.

- [Immediate Help and Support](#)
- [Help and Support Resources](#)

Immediate Help and Support

You can locate helpful information immediately by consulting your hard copy guides and supplements, or by accessing the online Computer User Guide and the individual software Help files.

Your computer is supplied with these support options:

- **VAIO® Computer Quick Start** — The Quick Start contains information on how to set up your computer quickly and easily. You can find instructions on how to plan an ergonomic work space, connect power cords, cables and peripheral devices, register your computer with Sony, and establish a dial-up connection to the Internet. The Quick Start can also provide troubleshooting support, if problems occur.
- **VAIO® Computer User Guide** — The online User Guide provides information about configuring, maintaining, and upgrading your computer. This support resource offers a variety of available topics, enabling you to quickly view specific information using context-sensitive search features. To access the online manual:
 1. Click **Start** in the Windows® taskbar, then click **Help and Support**.
 2. From the **VAIO Help And Support Center** menu, click **VAIO User Guide**.
- **Specifications** — The online specifications sheet describes the hardware and software configuration of your VAIO computer. To view this online information:
 1. Click **Start** in the Windows taskbar and click **Help and Support**.
 2. From the **VAIO Help And Support Center** menu, click **VAIO User Guide**.
 3. Locate the link in the text, "View the [VAIO® Computer Specifications...](#)"
- **Preinstalled software Help files** — Each preinstalled software application provides online Help within the software, that describes the software's features. In these Help files, you can find tutorials that teach you to use the software and locate troubleshooting support, should problems occur. To access software Help files:
 1. Click **Start** in the Windows taskbar and point to **All Programs**. A submenu appears, listing all preinstalled software applications.
 2. Click the desired software application.¹ The software's main window appears.
 3. From the menu bar, click **Help**. The Help file appears.


¹ You can locate the online Help for Sony software applications by pointing to the individual application's icon and selecting Help from the submenu.

Help and Support Resources

If the information provided with your VAIO® computer does not provide an immediate solution or you would like to get direct support, try these help and support resources.

Software Help and Support

The contact and support information for the preinstalled software on your system is located in the online specifications sheet. Software support is free of charge for 90 days after the original date of purchase.

 Your computer may not be supplied with all of the software discussed in this section, depending on the system configuration you purchased. To view the specific software preinstalled on your computer, see the online specifications sheet.

Sony Computing Support Web site

Online help and support are available 24 hours a day, seven days a week, when you visit the Sony Computing Support Web site. You can access the Web site at <http://www.sony.com/pcsupport>.

The Sony Computing Support Web site provides:

- Information about your specific model computer, such as
 - hardware and software specifications.
 - upgrade and maintenance procedures.
 - safety and legal information.
 - quick solutions to common problems.
- An automated tutorial library that contains interactive, easy-to-understand lessons on using your computer's hardware and software features.
- Links that enable you to:
 - quickly find the nearest Sony service center locations.
 - arrange for repairs or check repair status.
 - review warranty information.
 - e-mail your question or comments to the Sony Customer Information Services Center.
 - check pricing and availability for products, accessories and parts, as well as purchase online.
 - access the Sony Solutions Knowledge Base, a database that contains answers to many frequently asked questions.

Sony Customer Information Services Center

If other support options do not resolve your issue, you can contact a Sony Support representative directly.

Before making a call to the Sony Customer Information Services Center, have this basic information readily available.

1. VAIO® computer system type
2. Model number
3. Serial number¹

Example:



4. Operating system

5. Hardware feature or software application that has a problem. (See [Help and Support Resources](#) for the appropriate software contact information.)
6. Brief description of the issue.

For VAIO® computers purchased in the U.S. and Canada, contact a Sony Support representative at 1-888-476-6972.

¹ The serial number is located on the back panel of your computer. The serial number is on a white barcode label.