

Chapter 1

Computer Basics

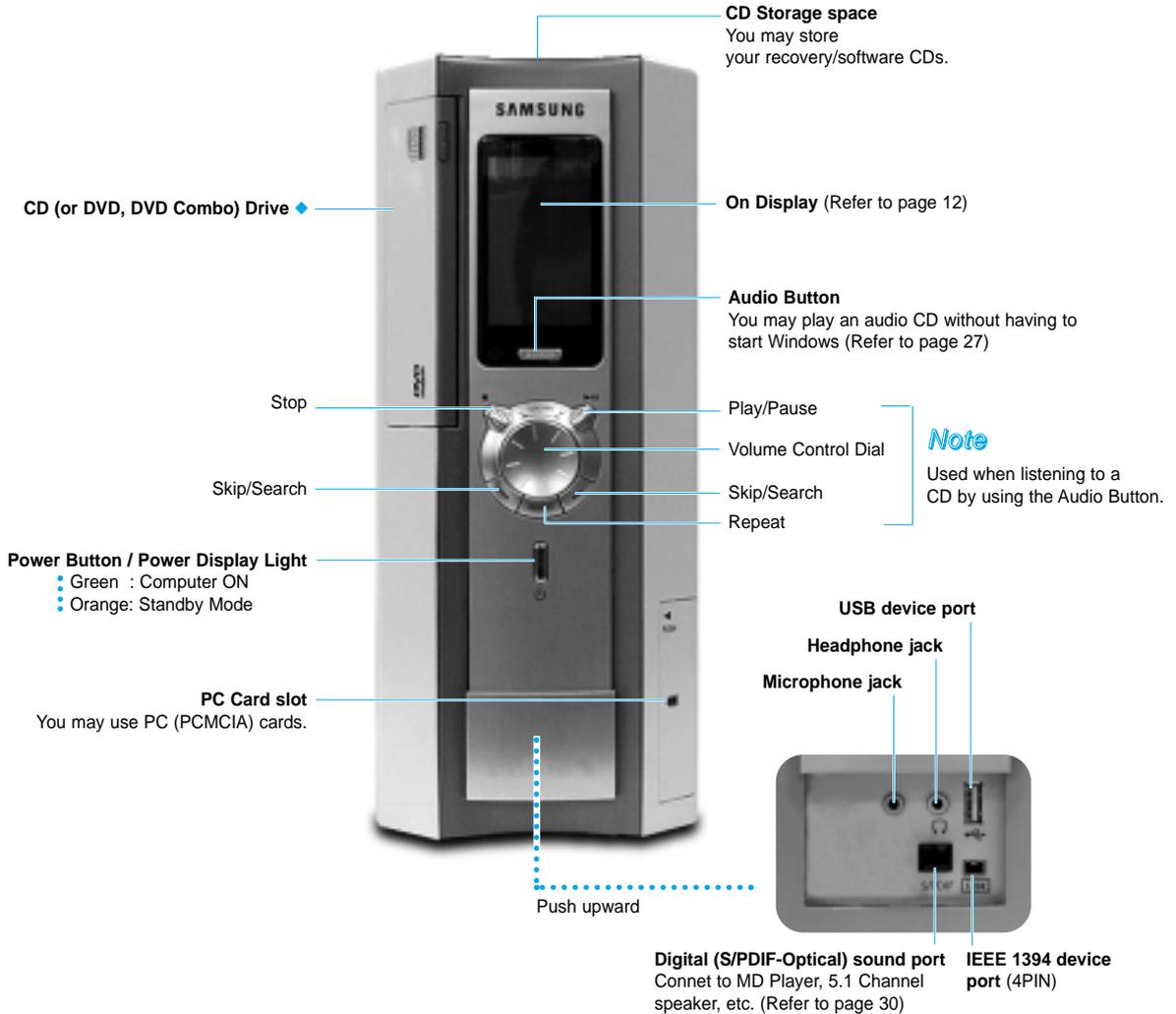
This section allows you to have an overall look at your new computer.

It shows you how to turn the computer On/Off and how to use the basic devices such as keyboard, mouse, etc.

Looking at your computer

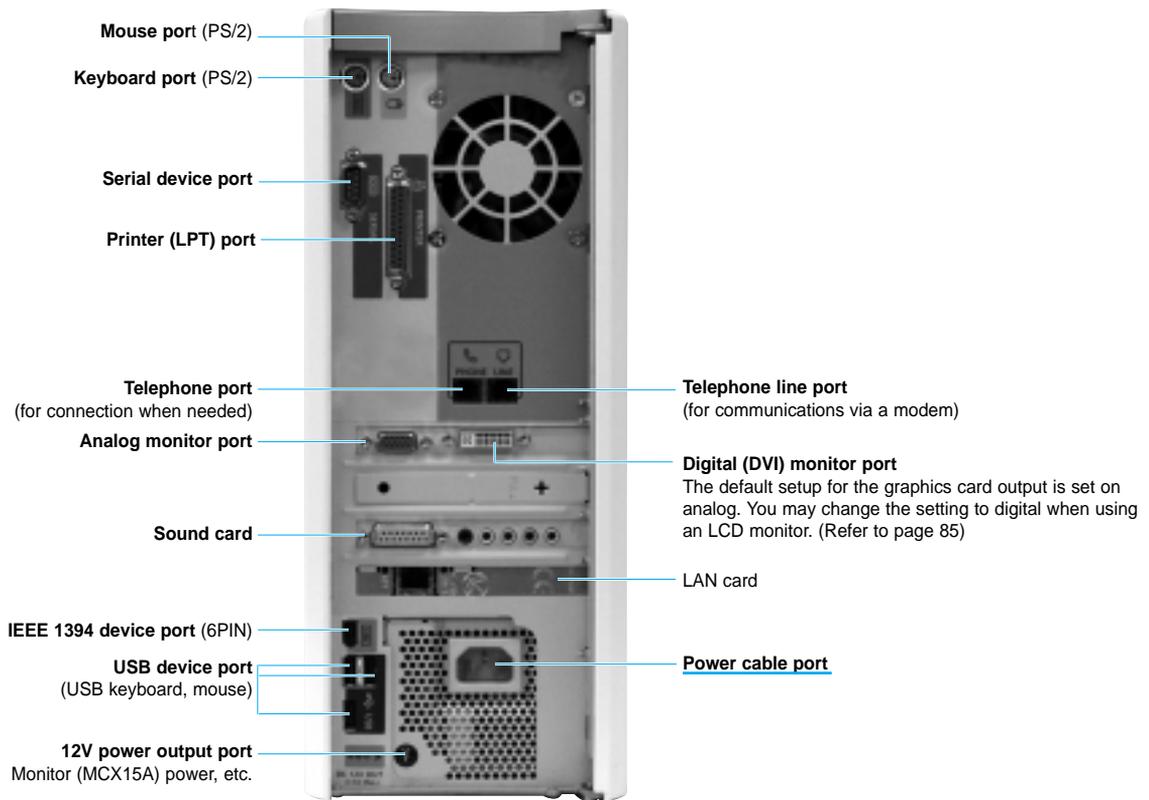
Front View

Note : The ♦ indicates an optional item.
The particular item may not be included with your model or may be different from what is actually provided.

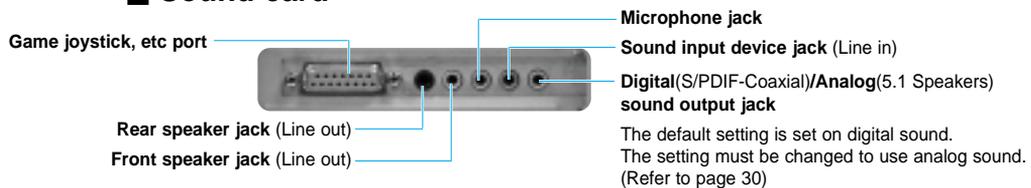


Back View

Note : The  mark indicates mandatory devices that must be connected.

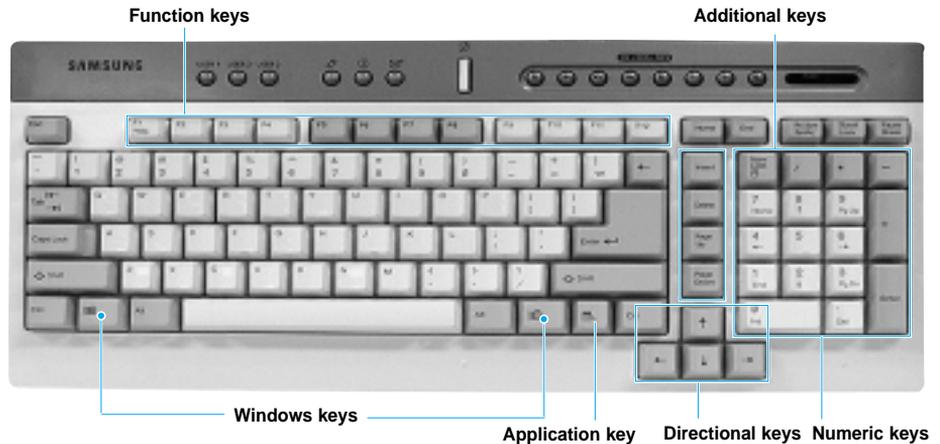


■ Sound card



Keyboard components

The keyboard is a device which is used to input data. You have the option to choose between standard or wireless keyboards.



- **Function keys** Executes the various program functions. Their use varies according to the program
- **Additional keys** Moves the cursor up/down or to the front or back of a line.
- **Windows keys** Displays the Windows start menu.
- **Application key** Displays the program menu for the program currently in operation.
- **Directional keys** Moves the cursor up/down and right/left.
- **Numeric keys** The keys are used to input numbers when Num Lock is ON.

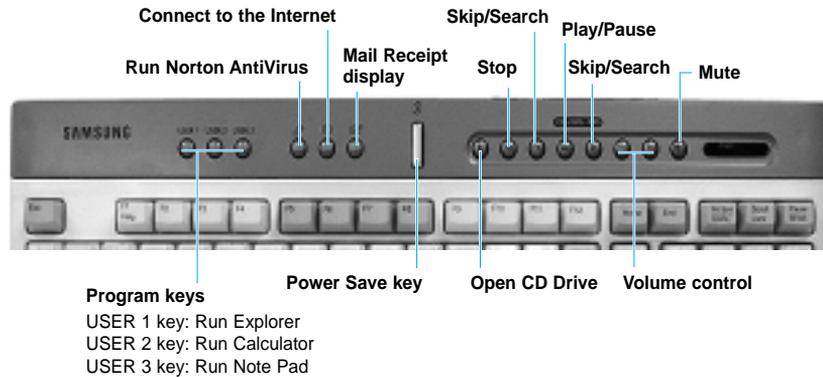
- Note** :
- The wireless keyboard operates only on the WF10 model computer. The operational status is displayed on the front operation display window.
 - Refer to Chapter 3 Changing the wireless switch to use more than three keyboards at one time.
 - If the batteries die on your wireless keyboard, you may use the power cable located inside of the keyboard, to connect to your computer's USB port for use.



Power cable

Special keys

Special keys are located at the top of your keyboard. You can use these keys to make use of your computer more conveniently.



■ Power save key

Executes the Power save standby mode.

The power display lights turns orange when the standby mode is executed.

Push any key on your keyboard or mouse to restart your computer.

However, because the wireless mouse will not operate, please use your wireless keyboard.

■ Program keys

You can assign frequently used programs to each key for more convenient use.

- To change the key setup

Ex) Setting up Microsoft **Paint** for the **USER 1** key

1. Double-click on the **Magic Keyboard** icon() on the Taskbar.
2. Select **USER 1** in **Key setup** of **Magic Keyboard Properties** and click **Browse...**
3. Select the program of your choice in **Browse...** and click **Open**.

Ex) Program location: C:\WINDOWS\System32\mspaint.exe

- 4 Click **OK** and the change is saved.

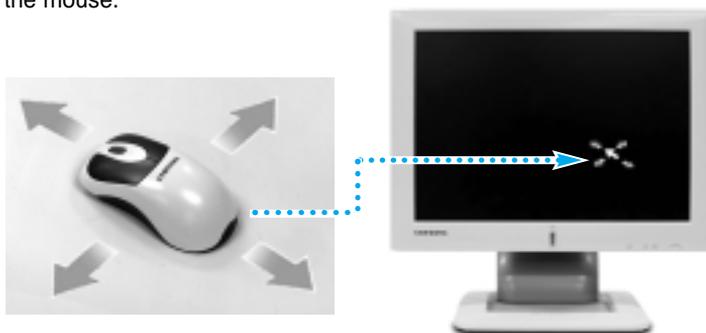
Using the mouse

The mouse is a device used to move and/or control the cursor or pointer on the display.

Note : You have the option of choosing a standard or wireless mouse with your computer. Therefore, your mouse may be different from what is described here.



The pointer on your computer's display moves in the direction in which you move the mouse.



Note :

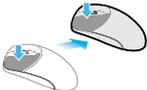
- The wireless mouse operates only on the WF10 model computer. The operational status is displayed on the front operation display window.
- The wireless mouse must be used near the front of the computer. An obstacle between the mouse and the computer may prevent the mouse from operating properly. Additionally, if you are pointing in the wrong direction or too far away from the computer, the mouse will not operate properly.
- Refer to Chapter 3 Changing the wireless switch to use more than one keyboard at one time.

What is a cursor or pointer?

It is a mark that indicates the location of the mouse.

The arrow-shaped symbol, used to move objects is called a pointer and the I-shaped symbol used to indicate the location of text input is called a cursor.

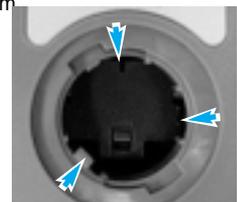
■ The functions of the mouse

| Function | | Execution method | |
|--|---|------------------------------------|--|
| To move the pointer |  | Move | Move your mouse to the direction of your choice, the pointer will move accordingly. |
| To select an item |  | Click | Place your mouse on the item and click once on your left mouse button |
| To run a program or open a file or folder |  | Double-click | Swiftly click twice on your left mouse button. |
| To open the shortcut menu |  | Click on right mouse button | Click on the item with the right mouse button. |
| To move a selected item |  | Click/drag | Select the item to move and drag to the location of your choice while pressing on the left mouse button. |
| To view the top/bottom of your monitor display |  | Scroll | Scroll your wheel dial up and down. |

Note : If your mouse is not working properly

Dust, etc. on the desk may collect inside of the mouse, causing it to malfunction. You must clean the mouse periodically to prevent such occurrences.

1. Turn counter clockwise, the ball cover located on the bottom of your mouse and open it take out the ball from the mouse.
2. Use a soft cloth to remove dirt from the ball.
3. Remove dirt, etc. from the roller (3 sections). Use of excessive force or sharp objects may damage the roller. Please pay attention.
4. Replace the ball in the mouse and turn cover clockwise to fix it in place.



Roller location

Turning computer On/Off

To turn computer On

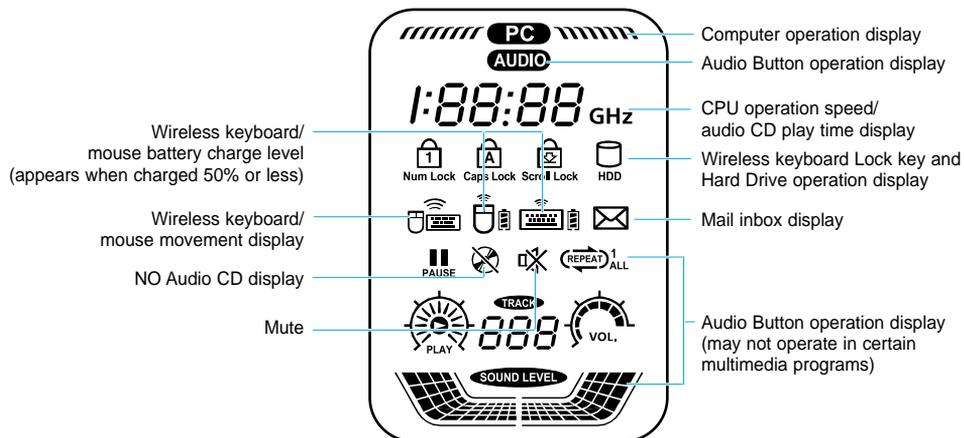
1. Connect all the peripheral devices according to instructions in the **Installation Guide**.
2. Turn the **Monitor** and other peripheral equipment ON.
3. Press the **Power button** to turn your computer ON.



If you have multiple users registered, click on User Name in the Start Menu.

Note : When you turn your computer On for the first time, you will see the Windows registration window appear on the monitor display.

Looking at On Display



To turn computer Off

1. Click on **start** on the Taskbar and click on **Turn Off Computer**.



2. Click **Turn Off** from the [Turn Off Computer] window.



If your computer does not turn Off, press on the power button for five seconds to turn it off manually.

Caution : **When you turn your computer Off manually.**

The Hard Drive may be exposed to damage due to electric waves flowing within the computer.

Additionally, your computer may conduct Disk Check upon restarting your computer after manual Turn Off.

- Unplugging the power cable, telephone cable, etc while your computer is in use may cause computer electric shock to damage your computer. Please take caution to avoid such damage.

Warning : When using a circuit breaker

If you use a circuit breaker (rated 30A/30mA ELB), you can use up to twelve computer systems (including the monitors) simultaneously. However, if excessive electricity flow causes the circuit breaker to suspend power, you may run the risk of losing data in your computer. For a safe usage environment, we recommend the acquisition of about 30% margin. Therefore, the use of about eight computers per each circuit breaker is recommended.

User account registration and revision

You may register several users on one computer and create individual user environments for use.

Let's look at ways in which users may be added or switched.

■ To add a user

1. Click **start ▶ Control Panel**.
2. Click **User Accounts** then click on **Create a New Account**.
3. Click **Type a name** for the new account and **Next**.
4. Select the **Account Type** and click **Create Account**.
A new user account is created.

■ To switch a user

1. Click **start ▶ Log Off**.
2. Click **Switch User**.



3. In the [Windows Log On] window, select the desired **User Name**.

Proper Seating Posture During Computer Use

The proper seating posture during computer use is provided here. Maintaining proper posture during computer use enhances performance and prevents physical bodily harm.



If necessary, use a footrest to raise the level of your knees and ease the pressure on the thighs.



Seating Posture

- Position the chair so that the eyes are slightly higher than the display panel.
- Straighten the neck and back.
- Place the legs naturally.
- If necessary, use a cushion to provide extra back support.
- Avoid working postures that require twisting the body or neck.



Lighting

- Soft, indirect lighting is recommended.
- Position the display panel so that external light does not reflect off the screen. Use curtains, if necessary.



Work Habits

- Take periodic breaks and stretch out stiff muscles regularly.
- Look outside the window or at distant objects frequently to relieve strain on the eyes.

Chapter 2

Using your computer

This section shows your how to use the Windows OS and CD Drive, as well as how to use the application programs that use these devices.

Windows XP Basics

Windows is the computer's main operating system, which needs to be familiarized with in order for efficient computer use.

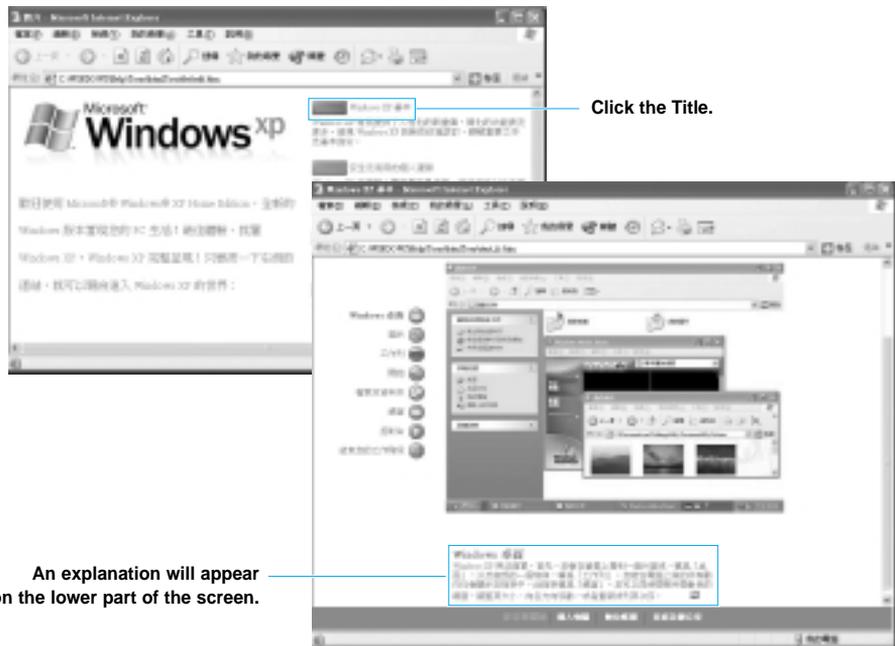
Windows XP Tour

A tour of the elementary functions provided by Windows XP.

Click **Start** ▶ **Tour Windows XP**.

Or click **Start** ▶ **All Programs** ▶ **Accessories** ▶ **Tour Windows XP**.

Click on the topics to find out about important functions of Windows XP.



Understanding the Desktop

The Desktop is the working area on the computer. It consists of the large workspace, which is more or less the entire the screen and a Taskbar at the bottom.



| | | |
|---------------------|---|---|
| Start Button |  | Opens the Start Menu. |
| Taskbar | | Displays programs that are currently running. Frequently used icons can be placed here. |
| Recycle Bin |  | Deleted files or folders end up here. |
| Language Bar |  | Enables switching between English/other languages text inputs and provides other text input services. |

Understanding the Start Menu

The Start Menu includes everything that is required to start Windows.

From the Start Menu it is possible to **run a program**, **open a file**, **assign system users with the Control Panel**, **receive support by clicking Help and Support**, and **search desired items** from computer or Internet by clicking Search.

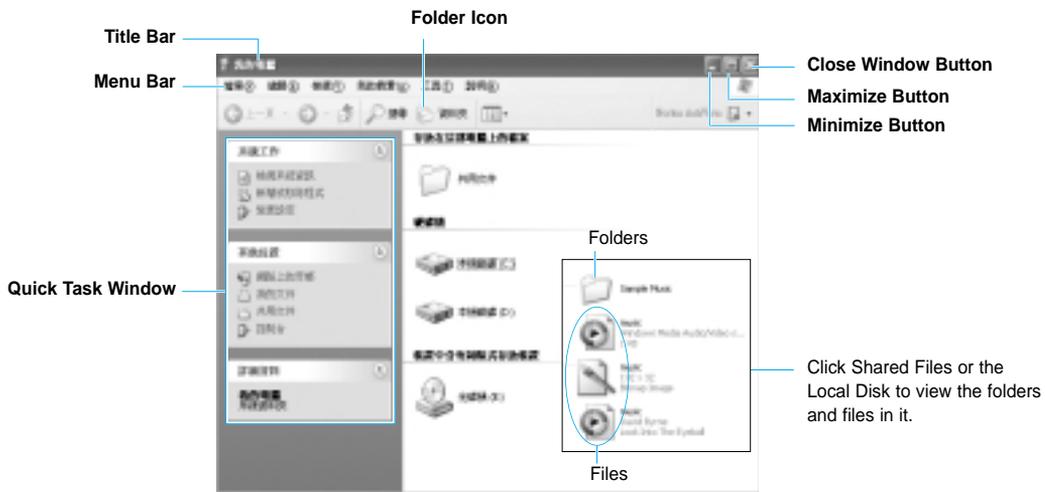


| | | |
|-------------------------|---|--|
| My Computer |  | Displays the contents of the hard disk, the CD-ROM drive, the network drive, and floppy disks. It can also be used to search and open files and folders. |
| Control Panel |  | Enables users to configure settings on the computer. |
| Help and Support |  | Provides on-line help, information on Windows and troubleshooting. |
| Search |  | Enables users to search for information in files or the Internet. |
| Run |  | Run programs or documents. |

Understanding a Window

A window is the basic component in working with the computer. The My Computer window, which is a window for the computer's hard drive, will be used as an example here to show the basic composition of a window.

Click **Start ▶ My Computer**.



Double-click the hard drive (local disk) to view internal folders and files stored in it. If the contents do not appear, click **Show Contents**.

- Note** :
- ▶ **What is a Drive?** A storage device which files and folders are saved in, and read from.
 - ▶ **What is a Folder?** A folder is used to group and manage files systematically, and may include files in sub-folders. It is similar to a bookshelf.
 - ▶ **What is a File?** A file is a document or various kinds of material that is generated as a result of program operation. It is also called data.
- **To view the entire structure of the drive**
- Click the Folder Icon in the Toolbar to view the entire structure. Click again to return to the Quick Task Window.

Help and Support Center

Help and Support Center provides references and troubleshooting information regarding computer use.

Click **Start ► Help and Support**.



Note : When you click on **New Functions of Windows XP > Windows XP: Using your PC > Exercise: PC User**, you will see the following HELP topics.

► **Display Setup**

Change Desktop Display, Activate Screen Saver, Change Display Resolution, etc.

► **Change Mouse setup.**

► **Quick Start**

Start Menu Setup, Taskbar Shortcuts, Shortcuts, etc.

What is the shortcut icon? It places an icon of frequently used programs on the taskbar for faster access.

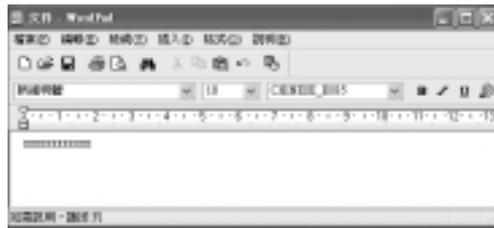


Document Operations

To create documents, WordPad or NotePad, which is included in Windows, or a separate specialized word processor program can be used, such as MS Word. Instructions for creating documents using WordPad is provided here.

■ Creating a New Document

1. Click **Start ▶ All Programs ▶ Accessories ▶ WordPad**.
2. Create and edit your document. For more information about WordPad, refer to on-line Help.



■ Saving a Document

1. Select **File** from the Menu, and click **Save**.
2. Click on the Save in field to specify a folder to save the file in, enter the name of the file in the File Name field, and click **Save**.



■ Opening a Document

1. Click **Start** ► **All programs** ► **Accessories** ► **WordPad**.
2. Select **File** From the Menu, and click **Open**.
3. Click on the Look in field and specify the folder in which the file is saved.
4. Select the file to open and click **Open**.

■ Printing a Document

To print a document, connect a printer to the computer.
For more information about connecting and configuring a printer,
please refer to the printer manual.

To print a WordPad document

1. Turn on the printer, and insert paper.
2. Open the WordPad file to print.
3. Select **File** from the Menu and select **Print**.
4. Click **Properties**, adjust the printer options accordingly, and click **OK**.
5. In Print window, click **OK** to print the document.

Using your CD Drive

You may enjoy various multimedia functions on your computer with use of music, movie, game, etc. CDs.

Note : The CD Drive is an optional item.
: Your computer comes with CD Drive, DVD Drive, or DVD Combo Drive.

What is a DVD Combo?

It is a device that allows the use of both the CD-RW (read & write) and DVD functions. The user must install the necessary programs in order to use the DVD Combo. Please refer to the separate instruction manual for installation and usage methods.

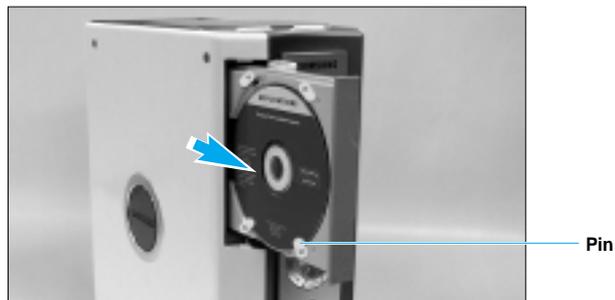
Caution : You must lay the computer down to use the small disks like MDs, etc.
: Please use the rubber platform provided when laying your computer down for use.

■ How to insert a CD

1. Press on the **Open button** on your CD Drive to eject the CD Tray.
Or press on the **CD Drive Open button** on your keyboard.



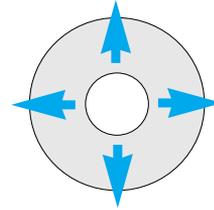
2. Hold your CD so the label shows on top and place your CD in the CD Tray.
Use the Pin on the side to fix the CD in place when using a DVD Combo.



Caution : Do not touch the data storage side (side opposite the label) of the CD. Foreign particles on this side may prevent the CD from playing properly. Hold the CD by its hole in the center and edge.

3. Slightly press the CD Tray back in. Or, press the **Open button** again. The CD Tray will close.

Note : **If the CD does not play properly,** use a clean cloth to clean the CD. Clean the CD from the center hole, outward. Do not follow the circular grooves when cleaning your CD.



Using the Windows Media Player

The Windows Media Player enables the user to configure and play video and audio files from the computer or the Internet.

Click **Start ▶ Windows Media Player**.

Or click **Start ▶ All Programs ▶ Accessories ▶ Entertainment ▶ Windows Media Player**.



Note : **Windows Media Player tour**
For more information about using the Windows Media Player, run the Windows Media Player and click Help and Support > Help Topics > Windows Media Player tour.

To Play an Audio CD

1. Insert an audio CD into the CD drive, and a list of all available players is displayed automatically.
2. Select **Windows Media Player** and click **OK** to play the audio CD.



Note : If the **Always do the selected action** box is checked, the selected program automatically launches whenever an audio CD is inserted.

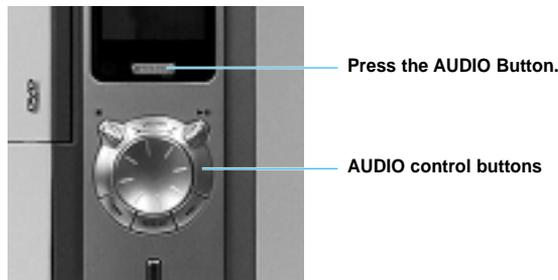
How to use your PC as an Audio Player (Using the AUDIO Button)

This computer comes with an Audio Button that allows you to listen to music on your PC without having to execute Windows.

When you press the Audio Button with your computer turned Off; the No Boot Audio function begins operating allowing you to use your PC like an Audio Player.

Caution : The Power Button will not function while using the AUDIO Button. Additionally, the digital sound output port (S/PDIF- Optical) in the front will not operate. Use the headphone jack for output.

1. Press the **AUDIO Button** with your computer turned Off.



2. Press the CD Drive **Open button** and insert an audio CD.
3. Press the CD Tray slightly to close. The CD will begin Play.
4. Press the **AUDIO Button** again to exit function.

To Play a Video CD

1. Insert a video CD into the CD drive.
2. When a video window appears, double-click the **MPEGAV** folder.
3. Double-click the **DAT** file.
4. When a warning window appears, click the **Open with** button.
5. In the new window, click **Select Program List** and click **OK**.
6. Select the **Windows Media Player**, and click **OK**.
The video will start playing.



Note : These instructions are applicable only when using a DAT file. Instructions may vary according to the Video CD.

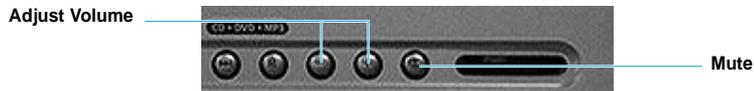
: If the “**Always use the selected program and to open this kind of file**” box is checked, the Windows Media Player will automatically launch whenever a video CD is inserted.

Adjusting volume

You may adjust overall volume or the volume of a particular input/output device.

■ Adjusting overall volume

Use the Volume Adjust key on your keyboard or the volume adjusts dial on the front of the computer.



Note : Adjusting volume in the Control Panel

1. After clicking on start ► Control Panel, click on the Sounds, Speech, and Audio Devices Icons.
2. Click on the Sounds and Audio Devices icon.
3. Use the Device volume adjustment bar in the Volume Tab to adjust volume.

You can create a [Volume] icon on the Taskbar by selecting **[Place volume icon in the taskbar]** for more convenient use.



■ To adjust volume of a particular input/output device (CD Audio, Microphone, etc.)

1. Click on the **Advanced** button in the Device volume, described in step3 above.
2. Adjust the volume of the device of your choice.



■ Using the front digital sound output jack(S/PDIF-Optical)

1. Double-click on the **ESS Canyon3D 2 Audio Properties** () icon on the Taskbar.
2. Select the **S/PDIF** tab and make check the Enable **S/PDIF** Out item.



Note : When using the 5.1 channel speakers, use the volume control on the speakers to adjust the volume.

■ Setting up the rear digital sound output jack (S/PDIF-Coaxial)/Analog(5.1 Speakers)

The digital output jack on the rear soundcard (S/PDIF-Coaxial)/Analog (Center/Sub Woofer Speaker) may be setup to output digital or analog sounds.

The default setting is setup on digital sound (4 Speaker).

Follow the instructions below to change to analog setting.

1. Double-click on the **ESS Canyon3D 2 Audio Properties** () on the Taskbar.
2. Select the **Speaker Setup** tab, Select **5.1 Speakers** to setup for analog sound.



Note

- The Enable S/PDIF Out on the S/PDIF tab must be enabled to output digital sound.

Note

- When using digital S/PDIF speakers, you may use the S/PDIF-Optical port in the front or S/PDIF-Coaxial in the rear as they both serve the same purpose.

To Write Data in CD

The CD-RW drive can copy data onto a blank CD, or create an audio CD.

Caution : Writing onto blank CDs can only be done in CD-RW drives.

■ Writing Data

1. Insert a blank CD into the CD-RW drive.
2. Click **Open Writable CD folder** and click **OK**.
The CD drive window will appear automatically.

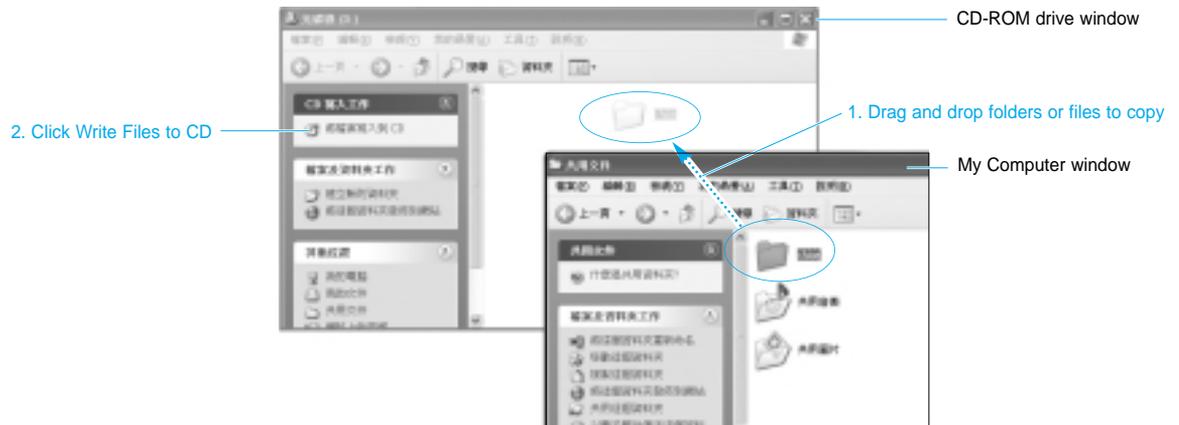


Note

If the “**Always do the selected action**” box is checked, the selected program automatically launches whenever a blank CD is inserted.

3. Click **Start ▶ My Computer**.

4. Select, drag and drop folders or files to copy onto the CD-ROM drive window. Click **Write Files to CD** in the CD-ROM drive window.



5. When the CD Write Wizard appears, enter the **CD label**, and click **Next**. The data will begin copying.
6. When copying is completed, a message 'completed' will appear and the CD-ROM drive will open automatically.

Note :: For more information on copying CDs
Click Start > Help and Support. Enter [CD copy] in the search field, and click the Search button.

:: **To create an audio CD**
Run the Windows Media Player, click the Help menu, and select [Using Windows Media Player > Using CDs > Creating your own CDs > To create your own CD].

Using a PC (PCMCIA) Card

1. Press the marked section of the PC cover.



2. Hold the **Insert Display** part of the PC Card outward and push inward.



3. To remove the **PC Card** press the eject button on top.
Press firmly on the eject button to remove the PC Card.



How to play a DVD title

You must install a separate program found in the SAMSUNG DVD installation CD in order to play a DVD title.

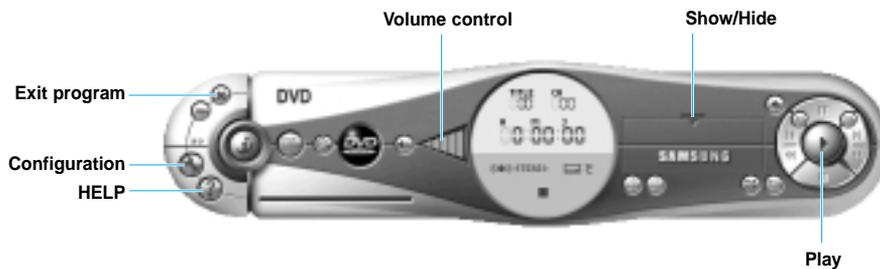
Note : A DVD title may only be played in the DVD or DVD Combo drives. The DVD or DVD Combo Drives are optional items.

Caution : To play a DVD title, we recommend that you use the SAMSUNG DVD program.

After completing the installation, insert a DVD title in the drive and the SAMSUNG DVD program will launch automatically to play your DVD title.

If the program doesn't start automatically

1. Click **Start** ► **All Programs** ► **SAMSUNG DVD** ► **SAMSUNG DVD**.
2. A **Program Control Panel** and **DVD Window** will appear. Press the **Play** button.



■ To enjoy digital sound from DVD program

Samsung DVD program default setting is setup on Analog sound.

To enjoy digital sound, system sound setting and DVD program setting must be changed to use digital sound. (For more information about system sound setting, refer to page 30)

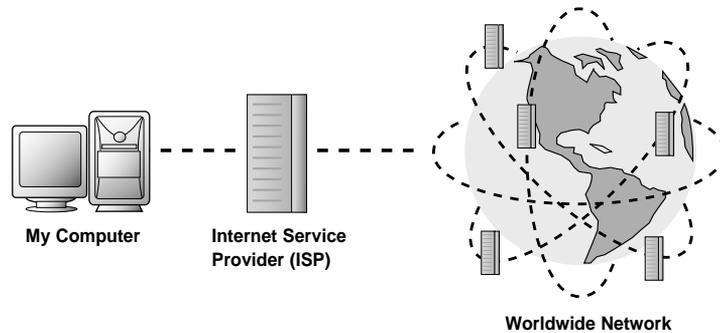
Follow the instructions below to change to digital sound on DVD program.

1. When playing a DVD title, please stop it.
2. Click the **configuration** button on the DVD program control panel.
3. Select the **Audio** tab and make check "Use SPDIF Output" item instead of "Use WaveOut" item.
4. Click **OK**

Using the Internet

The Internet refers to a network that connects many computers worldwide like a wide area network (WAN).

When you connect to the Internet, you will have access to endless useful information and you will be able to send/receive e-mail.



■ To connect to the Internet

▶ First, you will need a network card installed.

Network cards consist of a modem card that uses the telephone line and a LAN card that uses high-speed Internet connection networks.

▶ Second, you must register for services with an Internet Service Provider (ISP).

When using a modem card, you may register with a PC communication service provider or ISP to receive services.

When using a LAN card in the home, you may register with high-speed ISPs to receive Internet connection service.

▶ Third, you must have an Internet connection program installed (browser).

Note : Your computer comes preinstalled with Internet Explorer.

Network configuration

You need to setup the network to meet the needs of your usage environment.

Note : You will need to have a Network Card and Network Driver installed on your computer to configure the network environment.
When using high-speed Internet connections, please obtain network configuration instructions and necessary drivers from the service provider.

1. **Start ▶ Control Panel ▶ Network and internet Connections ▶ Network Connections ▶ double-click on Local Area Connection.**
2. Select Internet Protocol (TCP/IP) and click on **Properties**.



Note : To add Network configuration items, click on the Install button, shown in the above illustration.



3. To setup IP, select **'Use the following IP address'**, click the **IP address** and DNS server address, then click **OK**.

However, when using the DHCP (automatic Setup), select **'Obtain an IP address automatically'**.



4. Restart your computer when Network setup is complete.

Chapter 3

Maintaining your computer

In this section you will learn how to manage your Hard Drive, use the environment setup utility “BIOS Setup” and customizing a number of system functions to fit your needs.

Managing Hard Drive

Windows offers a utility that maintains the data stored in the Hard Disk in their optimal status.

■ Inspecting a Hard Disk error

You can inspect external file, folder, and Hard Disk errors and make repairs to damaged items.

1. Click on **start ► My computer**.
2. Place your mouse on the Hard Drive and click on the right mouse button and click on **Properties**.
3. Select the **Tools tab** and click on the **Check Now...** button.



4. Select Check disk options and click on **Start**. Your computer will begin inspecting your Hard Disk.

Note : We recommend a weekly Hard Disk inspection for daily computer users and a monthly inspection for less frequent users.

■ Disk Defragmenter

Reorganizes the Hard Disk's file and unused space to allow faster program execution.

1. Click on **Start ▶ All Programs ▶ Accessories ▶ System Tools ▶ Disk Defragmenter**.
2. Select the Drive that you wish to defragment and click on **Defragment**. Your computer will begin defragmenting.



Select the Drive to be defragmented.

Caution : If you are connected to a network, please log off before you execute Defrag.

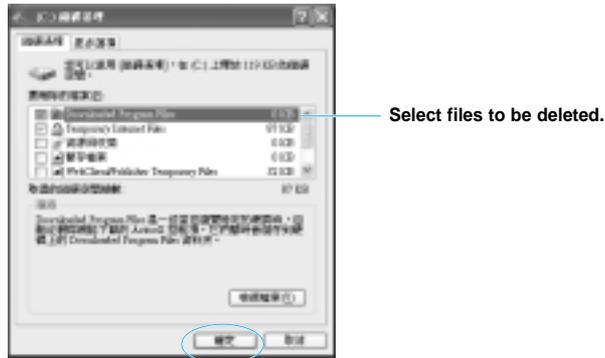
■ Obtaining maximum Hard Disk space

You can obtain Hard Disk space by executing Disk Cleanup.

Disk Cleanup inspects the Hard Drive and displays a list of files that may be safely deleted such as temporary files, temporary Internet files, and unnecessary program files.

1. Click on **Start ▶ All Programs ▶ Accessories ▶ System Tools ▶ Disk Cleanup**.

2. Select those files to be deleted and click on **OK**.



2. Click on **“Yes”** in the Disk Cleanup window. Your computer will begin Disk Cleanup.

■ System Restore

This function allows you to cancel changes that may cause system errors and revert to previous setup.

Click on **Start ▶ All Programs ▶ Accessories ▶ System Tools ▶ System Restore**, select the task to be executed, then click on **Next**.



Note : Refers to the Help and Support section for more detail about the System Restore function.

Checking for Viruses

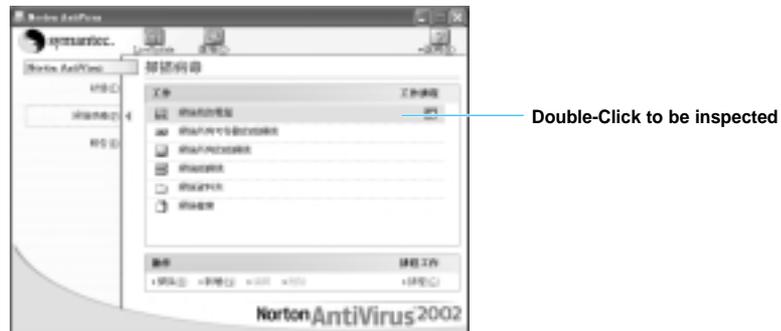
A Virus is a program designed to damage the computer files and/or data. Infections occur via the Internet or from other computers. You may use the Norton AntiVirus Virus vaccination program.

■ Inspecting for Viruses

1. Click on **Start ▶ All Programs ▶ Norton AntiVirus ▶ Norton AntiVirus 2002**.

Note : When Norton Antivirus is launched for the first time, The Norton AntiVirus Information Wizard will be displayed, read the instruction carefully and proceed with each step. You may update your program with the latest data via the Live Update if you are Online after completing setup. The Virus inspection will launch automatically once update is complete. Click on Stop Scan to terminate inspection.

2. Click on **Scan for Viruses** on the left menu.
3. Double-click on the item to be inspected.



4. If a Virus is detected, follow the **Recover Wizard's** instructions to eliminate the Virus and make repairs.

Note : In order to inspect the latest Viruses, You must receive the latest updates from the Norton AntiVirus Website. Click on LiveUpdate after connecting to the Internet and you will be automatically connected to the Norton AntiVirus Homepage for the latest version updates.

Managing power

You can conserve energy by using the Power Options to setup for power save mode that will turn the components off after a set period of time, etc.

■ Setting up power Saving time

You may setup for Turn Off Monitor and Hard Disk, System standby Mode, System hibernates Mode.

1. Click on **Start ▶ Control Panel**.
2. Click on **Performance and Maintenance ▶ Power Options**.
3. Setup the time interval under the categories of your choice, and then click on **OK**.



Setup the time interval of your choice.

Note : What are the System standby and System hibernates modes?

System hibernates mode allows you to conserve more power than the System standby mode but requires more time for use.

When you restart your computer, the document and the program in use when the System hibernates mode were executed are recovered.

The System hibernates mode may not execute properly when you are connected to the LAN or other high-speed Internet networks.

• Once to launch the Standby Mode,

Press the Power Save button on your keyboard once to launch the Standby Mode. The Power button display lights changes to an orange color in the Standby Mode.

■ To restart when you're in System standby or System hibernates mode

You may restart your computer by pressing on any key on your keyboard or mouse when you are in the System standby mode.

However, because the wireless mouse will not operate, please use your wireless keyboard.

In the System hibernates mode, press on the power button to restart your computer.

Using the BIOS Setup Utility

Setup is an environment setup utility that sets up the computer's environment to be recognizable by the computer system.

To execute BIOS Setup Utility

1. Turn your computer On.
2. When the **booting display** appears (SAMSUNG, etc.), press the **F2** key. The setup window will be displayed.



Note

If you do not see the setup window and your computer goes directly to Windows Desktop, restart your computer and repeat the above step.

Knowing the BIOS Setup Utility display

The screenshot shows the BIOS Setup Utility interface. At the top, there is a menu bar with options: Main, Advanced, Security, Boot, Exit. The main display area is divided into two columns. The left column lists system information: BIOS Version (J0001.J001.J000000001.J000K), CPU Type (Intel® Pentium® K X86 K800K), CPU Speed (3000MHz), Cache Memory (1024 KB), Total Memory (1024 MB), Language (English), System Time (11:11:36 -340), and System Date (12/08/2011). The right column is titled "Item Specific Help" and contains the text "Select the current default language used by BIOS". At the bottom, there is a "Change Key" section with labels: F1 Help, F2 Select Item, F3 Change Values, F4 Select Menu, F5 Enter Select Sub-Menu, F6 Setup Defaults, and F7 Save and Exit. Annotations with arrows point to the menu bar, a specific item in the list, a sub-menu, the help text, and the key labels.

■ What can I setup in the BIOS Setup Utility?

You are offered 5 different menu items in Setup.

| | |
|----------------------|--|
| Main menu | You may see the computer's basic specifications or change their setup. |
| Advanced menu | You may setup peripheral devices, etc. as well as the main chipset. |
| Security menu | You may setup your password as well as other security related items. |
| Boot menu | You may change booting sequence (CD, HDD, FDD) or setup other items relative to booting. |
| Exit menu | You may setup options to exit the Setup menu. |

■ Changing Setup

Setup items may be changed by using your keyboard.

| Function | Execution method | |
|---|-------------------------|--|
| To see the Help Menu | F1 | Press F1 |
| To move between menus | ← , → | Use the left and right arrow keys |
| To move between items | ↑ , ↓ | Use the up and down arrow keys |
| To change the setup value of an item | + , - | Use the + and - keys +, - Refer to the Help guide on the right for information about each item. |
| To move from the sub-menu to the main menu | Esc | Press on the Esc key |
| To return to default settings | F9 | Press F9 |
| To Exit after saving changes | F10 | Press F10 |

Setting up Password

If you assign a Password, the computer will verify that password upon turning on your computer or executing BIOS setup.

The Password can protect data and/or files in your computer by restricting use by other users.

■ Setting up Password

1. Execute BIOS Setup Utility by referring to instructions on entering setup in the previous section.
2. Press on the → key to move to the **Security menu** once Setup is executed.
3. Select **Set Supervisor Password** and press **Enter**.
4. Input your password in the **Enter New Password** box and press **Enter**.

Note

You may use up to 8 characters or numbers for your password.
You may not use any special characters.

5. Reenter your password in the **Confirm New Password** box and press Enter.
6. Press **Enter** in the **Setup Notice** window.
7. Press **F10**, and hit **Enter**.
You must now provide your Password whenever you turn your computer on or enter BIOS Setup Utility.

Note : If you fail to provide the correct Password, three consecutive times, you must restart your computer and reenter the correct Password.

■ Canceling Password

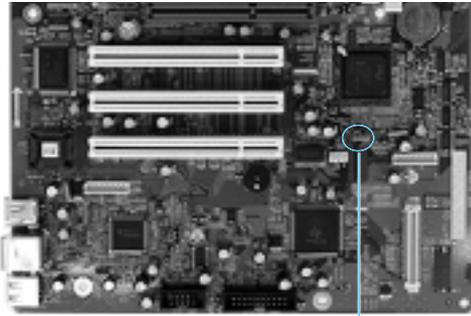
1. Repeat step 1 to 3 in the above instructions on setting up your Password.
2. Input the **Current Password** and press **Enter**.
Leave both the **Enter New Password** box and **Confirm New Password** box empty and press **Enter**.

3. Press Enter in the **Setup Notice** window.
4. Press **F10** and then hit **Enter**.

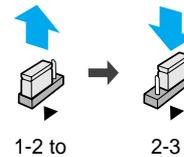
■ When you forget Password

You must change the Password jumper on your computer motherboard and delete the Password.

1. Turn your computer off and open the computer case.
(Refer to Chapter 4 disassembling computer)
2. Change the **Motherboard jumper no. 1 (JP1)** jumper to **2-3**.



Jumper no. 1 (JP1)



Note : The ◀ displays number 1.

3. Turn your computer on.
You will see the message, **The system Password has been deleted.**
Press <F1> to continue and <F2> to enter BIOS Setup Utility.
4. Shut down your computer and get the jumper back to its **original place(1-2)**.
The system password has been deleted.
5. Assemble your computer.

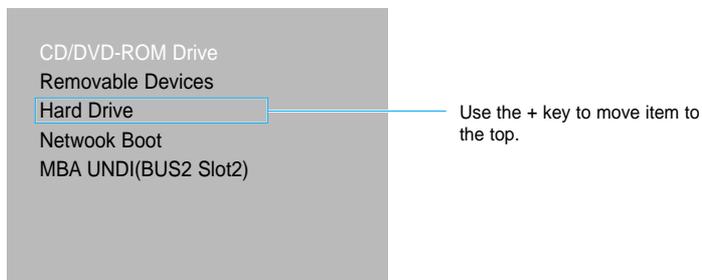
Editing the booting sequence

The computer's booting sequence are setup in the order of CD –ROM Drive, Removable Devices, and Hard Drive.

This sequence may be changed according to the user's needs.

For example, below shows you how you can setup your computer to boot up with the Hard Drive first.

1. Refer to Setup execution instruction in the previous section to enter BIOS Setup Utility.
2. Once you enter Setup, press on the → key to move to the **Boot** menu.
3. Use the ↓ key to move to **Set Boot Order** and press **Enter**.
4. Use the ↓ key to move to **Hard Drive**.
5. Use the + key to move **Hard Drive** to the top.



6. Press **F10** and hit **Enter**. Now your computer will boot up with the Hard Drive.

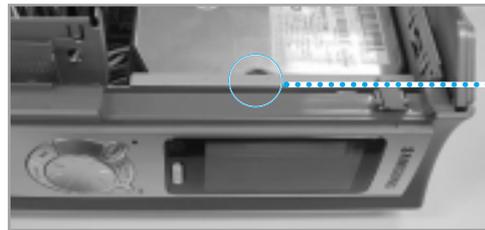
Changing the wireless switch

The computer, wireless mouse and wireless keyboard have a switch that can send and receive input/output signals.

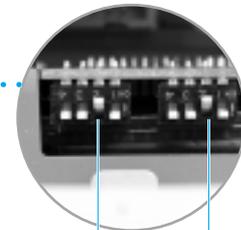
If you are using more than one computer and the switch setup is identical; the signals will get mixed, causing a computer error. In such circumstances, the computer, keyboard, and mouse switch must be changed to different numbers.

Note : These instructions regarding the wireless switch are only applicable to models that come with a wireless mouse/keyboard.

■ Changing the wireless switch number



Location of the computer wireless switch



Location of the keyboard wireless switch

Location of the mouse wireless switch



Location of the keyboard wireless switch



Location of the mouse wireless switch

1. Open the computer cover by referring to Chapter 4 disassembling computer.
2. Change the switch numbers for your **Computer, Keyboard, and Mouse**.

Caution : The switch setup for the components (Computer, Keyboard, Mouse) of a single computer must be identical.

You may not use Wireless Keyboard/Mouse and standard Keyboard/Mouse at the same time.

Please refer to Chapter 5 Mouse/Keyboard, to use these wired/wireless devices simultaneously.

Using two monitors

You may use 2 monitors on your computer by using the TwinView function.

Note : The TwinView function may be used only with models that come with graphics cards that support this function.

1. Click on the right button of your mouse on the Desktop and click on Properties.
2. Select the **Settings** tab and click on **Advanced**.
3. Select the mode of your choice in the **TwinView** tab and click on **Apply**.

Select the mode of your choice



The TwinView function consists of three different modes.

- **Standard Mode**
Displays through one monitor only. The current setting.
- **Copy Mode**
Identical displays are output on two monitors.
- **Horizontal/Vertical Span**
One display is divided into two and displayed on 2 different monitors.

■ Example



Copy Mode



Horizontal Span



Vertical Span

Chapter 4

Upgrading your computer

This section shows you how to disassemble your PC for system upgrades.

Disassembling computer

You will need to open the computer cover to replace your parts or upgrade your PC. The components and/or internal architecture may vary depending on optional specifications.

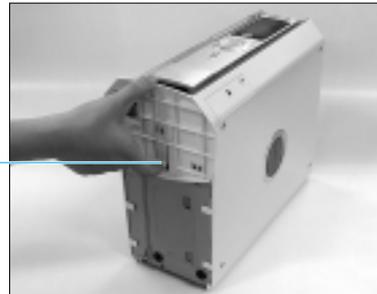
- Warning** :
- ⋮ There is a danger for serious potential damage when your computer is exposed to electric shock. Please unplug the power cord before your begin disassembling. Additionally, parts may be damaged by small amounts of static electricity flowing in your body. Please take special care when handling. (Electric discharge on the metal parts)
 - ⋮ Your computer consists of many sharp components. Please handle carefully. If you don't feel confident about upgrading procedures, please contact the customer service support center for assistance.

First, turn your computer off and unplug all the cables that are connected to the power cord.

■ Disassembling the pedestal

1. Lay your computer on its back.
2. Pull the pedestal upward while pulling the pedestal's latch forward. Separate the pedestal and your computer.

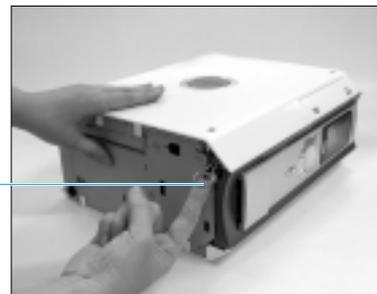
Pedestal Latch



■ Opening the cover

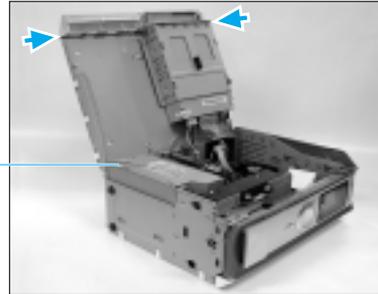
1. Lay your computer on its right side.
2. After lift the **Open Cover Latch(Lid Latch Ring)** and pull it about 1cm towards your body with your right hand while holding the computer down with your left hand.

Open Cover Latch
(Lid Latch Ring)

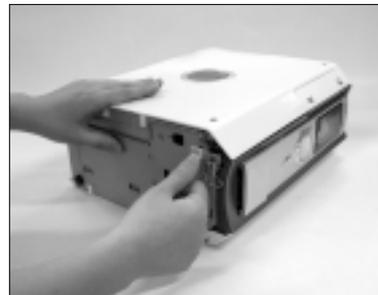


3. Pull the cover open while holding the part with arrows.
The **Cover Stopper (Lid safety Latch)** will pop out when you open the cover.

Cover Stopper (Lid safety Latch)

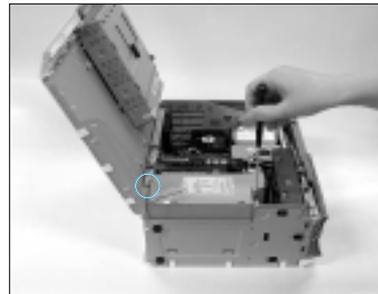


4. To reassemble the cover, pull the **Cover Stopper(Lid safety Latch)** into the inward and close the cover.
And push the marked **“PUSH”**.



■ Disassembling the power supply unit

1. Unplug the **power cords** that is connected to the Motherboard as well as various drives.
2. Unscrew the 2 **screws**, which are on the power supply unit to take out the unit.
3. Pull the power supply unit upward and bend it slightly backward.
4. After pushing it about 1cm, then pull to remove it from the cover.

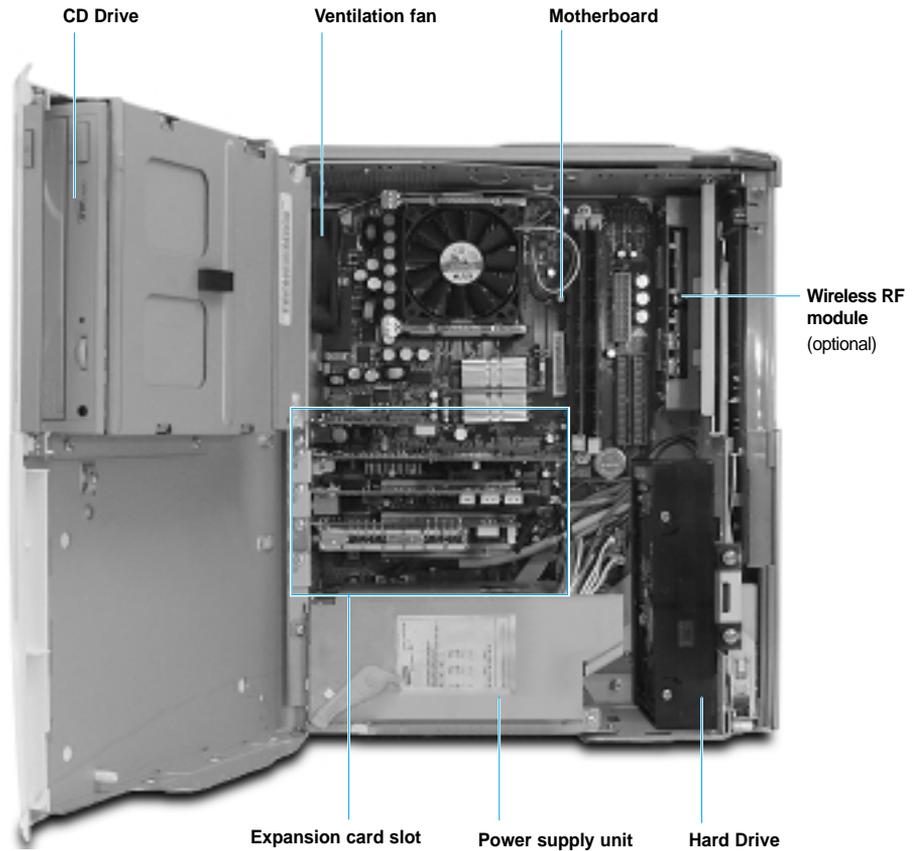


Warning

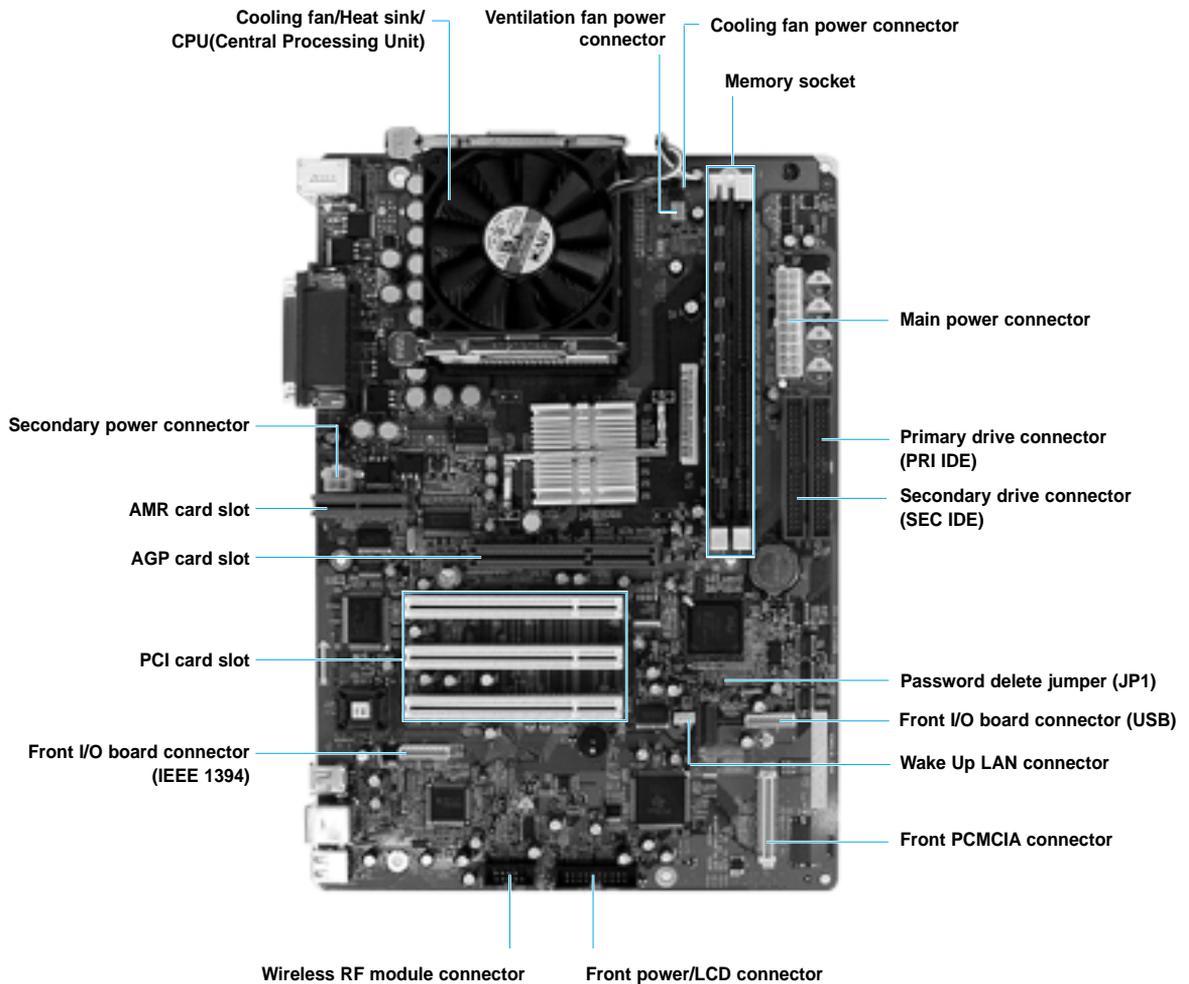
Please maintain this interval when assembling.

Computer's internal components

Note : The internal architecture and/or components of your computer may vary according to optional specifications.



Motherboard components

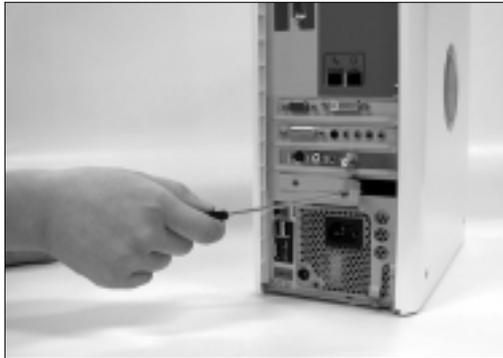


Adding various cards

Check for available expansion slots on your computer and verify whether the particular card is compatible with your computer.

1. **Remove** the fixed **Bracket** on the expansion slot you wish to use.

Place a cross-shaped screwdriver in the groove and flip slightly towards the front.



Note :: Your computer's back view may vary according to optional specifications

2. Open the **Computer Cover**.
(Refer to instructions on disassembling computer)
3. **Remove the Screws** to release the bracket.

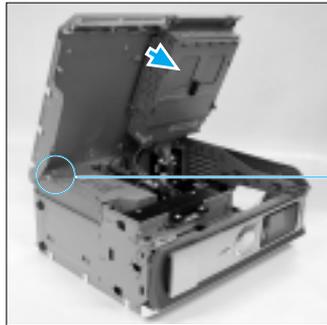


4. Place your card in the slot and push until it is completely inserted.

Warning : The computer may not function properly, or the motherboard may be damaged if the card is not inserted properly. Please take special care to insert the card properly.



Warning : **If it is difficult to insert the card because the connectors are too long** You can insert the card more easily if you rest the cover on the Cover Stopper(Lid safety Latch).



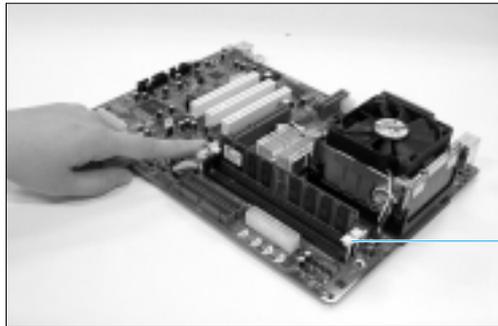
Tilt the cover to lay it on the Cover Stopper(Lid Safety Latch).

5. Use the screws removed from the brackets to fix the card in place.
6. Read the user's manual that came with the particular card to Connect the Internal Cables.
7. Close the cover and Connect the External Cables such as power cord, etc.
8. Turn your computer On. Refer to the card's user's manual to install necessary drivers and/or programs.

Upgrading memory

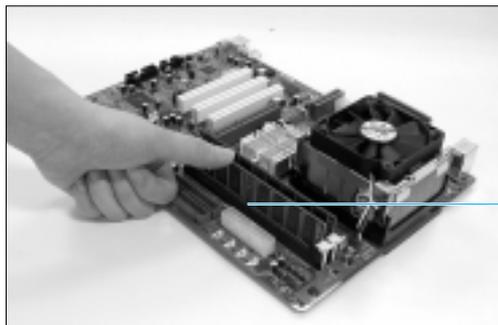
Check for available memory expansion slots on your motherboard. Prepare memory chips that are compatible with your computer.

1. Open the Computer Cover.
(Refer to instructions on disassembling computer)
2. Push the clips on each side of the memory socket.



Clips

3. Place the memory chip in the socket and push inward until it is inserted properly.
Your computer will not operate properly if the memory chip is not inserted properly.



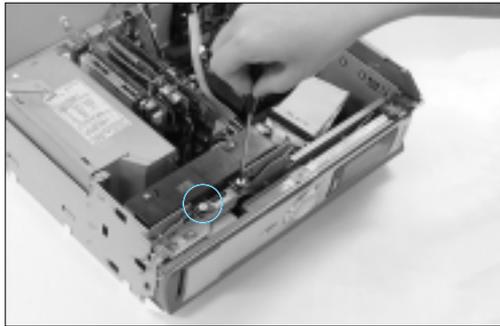
Place the memory chip in the correct position and push.

4. Pull the clips up to fix the memory in place.
To remove the memory chip, push the clips on each side down and then remove the chip from the socket.

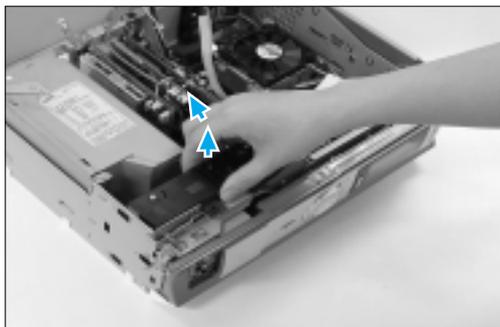
Replacing/adding drives

Replacing the Hard Drive

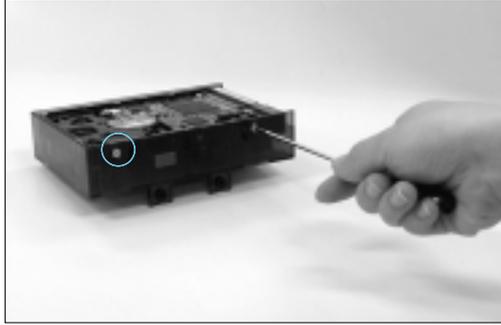
1. Open the **Computer Cover**.
(Refer to instructions on disassembling computer)
2. Unplug the Hard Drive cable and then unscrew the 2 screws to remove the **Hard Drive Case**.



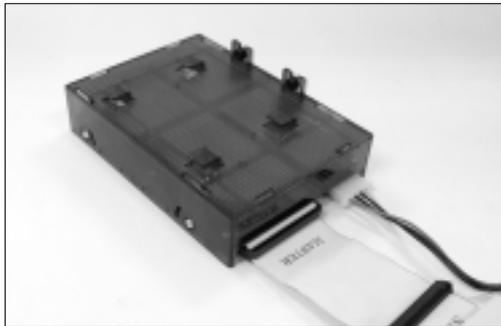
3. Pull the Hard Drive case about **1cm** upward and remove it by pushing it inward.



4. Remove the 2 screws on each side of the Hard Drive case and remove the **Old Hard Drive**. Insert the **New Hard Drive** and mount it in place with 4 screws.



5. Select the new Hard Drive Jumper as the **Master** and install the Hard Drive bracket with 2 screws.
(Please refer to the Hard Drive user's manual or instructional label)
6. Connect the **Signal Ribbon Cable** and **Power Cable**.

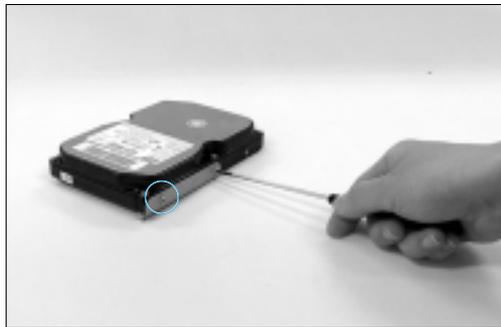


7. Assemble the **Computer Cover** and **Pedestal**.
8. Refer to the new Hard Drive user's manual to conduct necessary setup procedures.

Adding additional Hard Drive

This computer comes with 1 Hard Drive. You may add 1 additional Hard Drive to your computer.

1. Open the **Computer Cover**.
(Refer to instructions on disassembling computer)
2. Install the **Additional Hard Drive bracket** on the right side of the exiting Hard Drive using 2 screws.

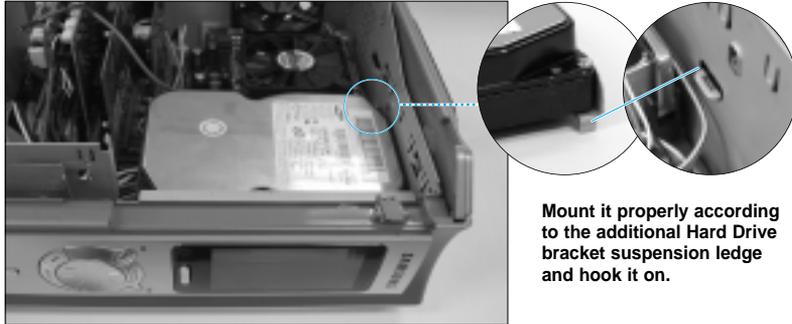


3. Assign the new Hard Drive jumper to **Slave**.
(Please refer to the Hard Drive user's manual or instructional label)
4. Unplug the **Signal** and **Power Cables** from the existing Hard Drive, and arrange the signal cables to be shown the slave connector.
5. After connecting the **Signal Ribbon Cable** (the Master end) and **Power cable** to the existing Hard Drive, connecting the **Signal Ribbon Cable** (the Slave end) and **Power Cable** on the new Hard Drive.

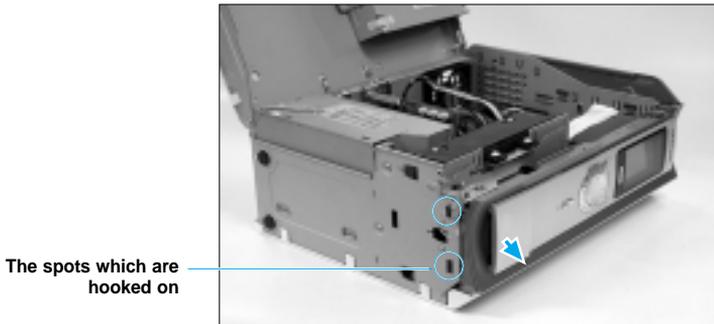


Slave connector

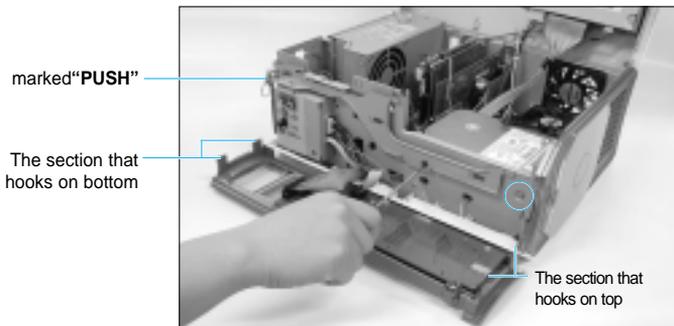
6. Insert the new Hard Drive in the Hard Drive expansion slot.



7. Push the 2 spots on the bottom, which is hooked on and remove by pulling the front cover towards the front.



8. Press the spots marked "PUSH" on the cover and place the 2 screws in the grooves to mount the Hard Drive in place.



Note

To place the front cover on, hook the bottom section in place first then push the top section to snap on.

Warning

The cover will not hook in place if the cables are left on top of the additional Hard Drive. Organize the cables to prevent them from getting in the way.

Replacing the CD Drive

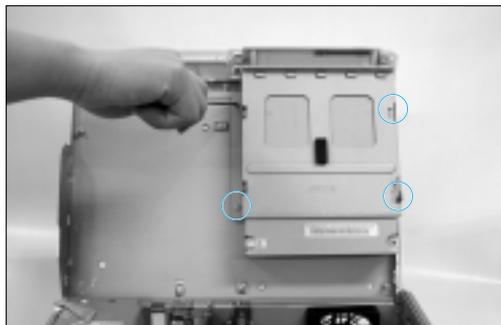
This section will show you how to replace your existing CD Drive with another CD Drive, CD-RW, or DVD-Combo.

Caution : When replacing the CD Drive, a certain CD Drive door may not function properly according to CD Drive type. Please take care to buy a new CD Drive.

1. Open the **Computer Cover**. (Refer to instructions on disassembling computer)
2. Unplug the **Power Cable/Signal Ribbon Cable/Sound Output Cable**.



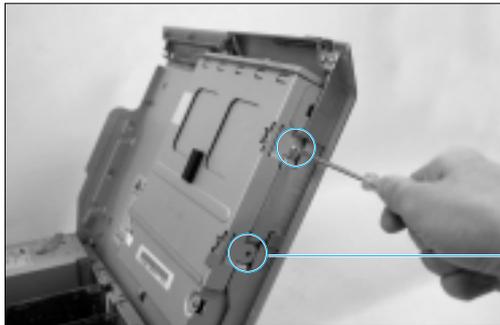
3. Remove the CD Drive bracket by unscrewing the 4 screws that holds the bracket in place.



4. Assign the new CD Drive **Jumper as the Master** and insert it in the bracket.

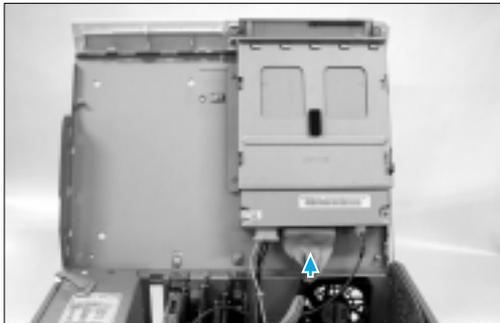


5. Mount CD bracket in place as below illustration, the right side cover of the bracket to be shown in outward.
And fix CD Drive right side by screwing the 2 screws and then fix the opposite side with 2 screws.



Cover of the bracket to be shown in outward.

6. Connect the **Power Cable/Signal Ribbon Cable/Sound Output Cable**.



Setting up your Drive sequence

You must setup the priority sequencing of the newly installed Drives so that your computer can recognize them.

■ What is the Drive priority sequencing?

The **Drive Connector(Ribbon Cable)** and **Jumper Setup** determine the priority sequencing for Drive recognition.

Note : You may connect 2 Hard Drives to the primary connector. The CD drive is connected to the secondary connector.

The units are recognized in the primary Drive's as MASTER Drive, SLAVE Drive, and the secondary Drive's as MASTER drive sequence. However, the CD Drive is recognized as the second, after the Master Drive is connected to the primary Drive connector.

First, units that are connected to the Primary Drive connector are recognized before those that are connected to the secondary drive connector.

Secondary Drive
Connector
(SEC IDE)



Primary Drive Connector
(PRI IDE)

Second, among the 2 drives connected to the drive cable, the drive setup as the Master is recognized before the drive setup as the Slave.

You may setup the recognition sequence by referring to the Hard Drive user's manual or instructional label.

■ Example of a drive sequence setup

| Sequence | 1 | 2 | 3 |
|------------------------------|--------------------------|------------------------|----------------------------|
| Cable type | Primary Hard Drive cable | | Secondary Hard Drive cable |
| Jumper setup | Master | Slave | Master |
| Current status | Hard Drive | | CD Drive |
| Drive text | (C:\) | | (D:\) |
| With 1 additional Drive text | Hard Drive (C:\) | Added Hard Drive (E:\) | CD Drive (D:\) |

Warning : Hard Drive over 60GB may be divided into 2 different partition drives (C:\ and D:\). In such as the case, the next drive text will fall into the next alphabet sequence (e.g. E, F).

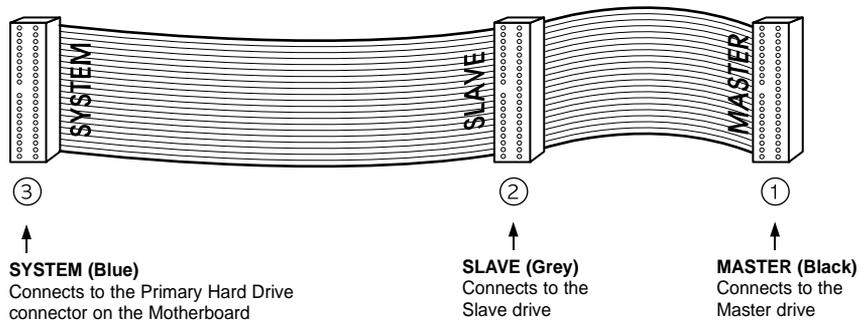
■ Signal cable guide

You may be equipped with an 80PIN or 40PIN signal ribbon cable.

The 80PIN cable is a yellow cable that is used as the Primary Hard Drive cable and has preassigned Master and Slave positions.

The 40PIN cable assigns drive sequence according to the drive's jumper rather than the cable itself (cable select).

Example) 80PIN cable



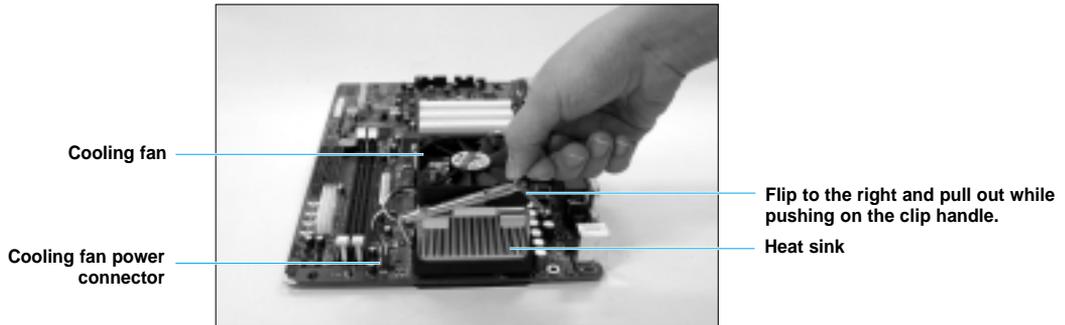
Replacing the CPU

Warning : When you disassemble the CPU

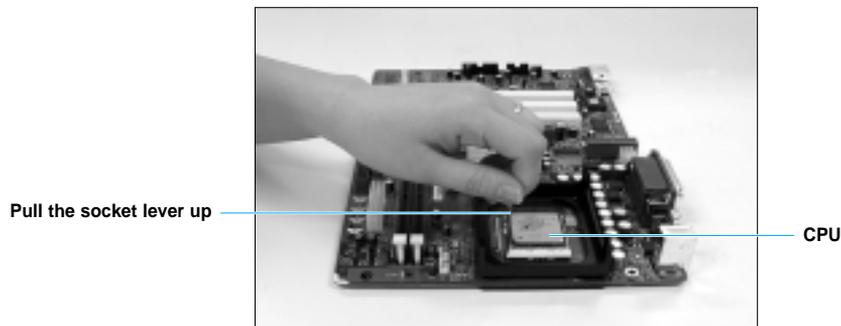
The heat sink and CPU have been plastered together with heat transfer material. Using excessive force to disassemble these parts may result in damage to the CPU.

Operate the computer for a sufficient period of time so that the heat created softens the adhesive material, before disassembling the units.

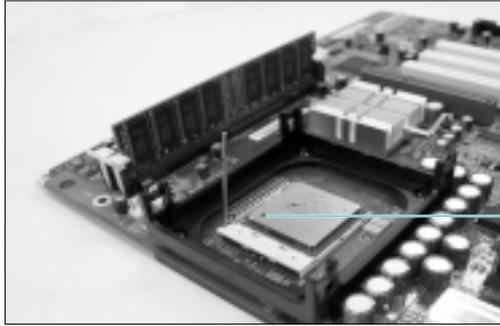
1. Open the **Computer Cover**. (Refer to instructions on disassembling computer)
2. Unplug the **Cooling Fan Power Cable**.
3. Flip the **Cooling Fan Outward** while pushing on the clips to remove the unit.



4. Detach the **Cooling Fan and Heat Sink**. (Refer to above illustration)
5. Pull the socket lever on the side of the socket straight up(90°), while pushing it slightly left, to remove the CPU.



6. Replace with a new CPU.
You must line up the PIN on the socket with the PIN on the CPU when inserting the CPU in place.



Line up the section of the socket without PIN holes with the section of the CPU marked with a ◀, to insert.

7. Lock the CPU socket lever in place and attach the **Heat Sink and Cooling Fan**.
8. Hook one of the **Cooling Fan's Clips** then push on the handle to fix in place. Fix the remaining clip in place using the same procedure.
9. Connect the **Cooling Fan Power Cable**. CPU replacement is complete.

Chapter 5



Troubleshooting

This section describes how to troubleshoot problems on your computer and recover regular operations.

4. Program reinstallation

Use the **System Software CD** to reinstall the programs and/or drivers for which you are experiencing errors.

If the problem persists, use the **System Recovery CD** to reinstall Windows.



SYSTEM SOFTWARE CD display



SYSTEM RECOVERY CD display

Note :: **To prevent errors on your computer**

Use the computer management programs frequently to maintain your system at its peak. (Refer to Chapter 3 Maintaining your computer)

Reinstalling your Software

If you are experiencing problems with certain software, you may use the System Software CD to reinstall that particular software(s). If the problem persists, try reinstalling the proper device driver.

■ Running the System Software CD

Insert the **System Software CD** in your **CD drive** and the install window will appear automatically.



■ Installing programs

1. Click **Install Program** in the Start Menu.
2. Click **Standard** or **User Installation**.

Standard Installation automatically installs software.

User Installation may be used to change install location and various setup values.

Note : You may not install some of the programs with Standard install. Use User installation for these particular programs.



Program installation display

■ Installing drivers

1. Click **Install Driver** in the Start Menu.
2. Click the driver of your choice and click **Install**.



Note : For drivers that do not appear on the installation window and drivers for in other operating systems except Windows XP? Refer to the instructions on the System Software CD jacket to install.

Reinstalling Windows XP

If Windows do not operate properly, you may use your **System Recovery CD** to reinstall the Operating System(Windows).

Caution : If you reinstalled Windows, the colors on your computer display will not be expressed properly. Please reinstall the video drivers and/or application from your software CD to correct this problem.

■ Installing Windows

1. Place the **System Recovery** in the CD Drive.
The main installation screen will appear automatically.



2. Click on either the “**Standard**” or “**User**” install option. Windows will now be installed.

Standard Installation is setup to reinstall Windows while preserving existing data,

User Installation enables the user to format or partition the hard disk as desired when reinstalling Windows.

Warning : When you choose User Installation you pose the risk of deleting existing data. Please backup all important data before you reinstall Windows.

■ Installing Windows

You may boot up with the **System Recovery CD** to reinstall Windows.

Warning : When you use the System Recovery CD to boot up your computer. You will only be able to use the User Installation option and the installation process and windows display may be different from those used in the standard Windows environment. Please refer to instructions on Windows installation.

1. Place the **System Recovery CD** in the CD Drive.
2. When you see the message “**Press any key to boot from CD**”, press any key on your keyboard.
3. The Windows installation display will appear. You can now install Windows. If the Windows installation display does not appear, restart your computer and repeat the above steps.

Q&A

The following is frequently asked questions regarding the use of your computer, and their answers.

When turning your computer ON

Q I'm getting the 'Invalid system disk, Replace the disk, and then press any key' message.

A You have a general diskette in the floppy drive. Take the general diskette out or replace with a booting diskette and press any key on the keyboard to resume.

Q I'm getting the 'Operating system not found' message.

This message appears when there is an error in the Hard Drive connection or BIOS Setup Utility. Please check these items.

A 1 Check if the Hard Drive signal cable and power cable are connected properly.

A 2 Check if the BIOS Setup Utility recognizes the Hard Drive properly. The primary menu's primary IDE master category is setup for automatic recognition. Drive instruction booklet and setup the primary IDE master category.

A 3 Check if the Hard Drive jumper setup is correct. (Refer to Chapter 4 Setting up your drive sequence)

A 4 The Hard Drive operating system is damaged. Please reinstall Windows.

Q I'm getting the 'Press <F1> to continue and <F2> to return to install' message.

A 4 The BIOS Setup Utility setup and system environment are not compatible. Reset to meet system environment.

1. Refer to Chapter 4 to run BIOS Setup Utility.

2. Press <F9> to enter Setup Confirmation.

Select <Yes> and press <Enter>.

If devices have been added, reset items relative to that driver.

3. Press <F10> to enter Setup Confirmation.

Select <Yes> and press <Enter> to restart.

Q **I'm getting the 'CMOS Checksum error' message.**

A This message may appear when the CMOS backup battery on the mother board is dead. Refer to disassembling computer and replace the battery. Then setup the BIOS Setup Utility accordingly.

Q **My computer is booting up in Safe Mode**

This message appears when there is an error in the Hard Drive connection or BIOS Setup Utility. Please check these items.

Note : **What is the Safe Mode?**

When your computer detects a problem while booting, it boots up with Windows default settings. You may not be able to use certain functions in this mode.

A 1 This may occur if Windows was not shut down properly.

You should use the **start > Turn Off Computer** menu to shut down your computer.

A 2 This may occur if system environment has not been recognized properly.

1. Boot up in the Safe Mode.

2. Run **Check Disk** as described in Chapter 3 Maintaining your computer.

3. Windows will run properly when you reboot your computer.

A 3 Check for device errors.

1. Click **start > Control Panel > Performance and Maintenance > System**.

2. Click on **Device Manger** in the **Hardware** tab and reinstall the driver for the device experiencing the error.

When turning your computer Off

Q **My computer will not shut down.**

A You may use the power button to shut your computer Off if it will not shut down in Windows. However, you must press on the power button for more than 4 seconds if the power button is setup for power save. Check Disk will run automatically when you restart your computer after shutting down in this manner.

Windows and Windows Displays

- Q **My computer has frozen while using an application program.**
- A 1 There is an error in the application program.
Press <Ctrl>, <Alt>, simultaneously and click End Task in the **[Windows Task Manager]** window.
- A 2 You must **Restart** your computer when you run into a Windows error.
Press the power button to **Restart** your computer.
- Q **My monitor is blink.**
- A 1 Check if the monitor power is On.
- A 2 Check if the monitor signal cable is properly connected to the port in the back of the computer.
- A 3 Try adjusting the display brightness on your monitor.
- A 4 For LCD monitors, check whether the setup is on digital or analog and try resetting the value.
For WF10 monitors (MCX15A), refer to the Online monitor user's manual.
Click **start > All Programs > Online Manual**.

Mouse and keyboard

- Q **My mouse will not work.**
- A 1 Check to see if the mouse cable is connected properly to the mouse port in the back of the computer.
A mouse with USB ports may be connected to any USB port. However a PS/2 mouse must be connected to the PS/2 mouse port.
You must restart the computer after connection to use PS/2 type mice.
- A 2 Delete the mouse driver in the Device Manager and reboot your computer
1. Click **start > Control Panel > Performance and Maintenance > System**.
 2. Click **Device Manger > Mice and other pointing devices** in the **Hardware** tab and delete the mouse driver.
 3. Restart your computer and check if the cursor is moving properly.
- A 3 For wireless mice, check if the battery has power. Then check whether the computer and wireless mouse switch numbers are identical.

Q I can't input anything on my keyboard

A 1 Check if the keyboard cable is connected properly to the keyboard port in the back of your computer.

A keyboard with USB ports may be connected to any USB port. However, a PS/2 keyboard must be connected to the PS/2 keyboard port.

A 2 Press the <Num Lock> key several times to check whether the Num Lock LED lights.

If this does not function properly, it means that your computer is down. You must reboot your computer.

A 3 For wireless keyboard, check if the battery has power. Then check whether the computer and wireless keyboard switch numbers are identical.

Q What do I do to use wireless keyboard/mouse along with the standard keyboard/mouse.

You must change the BIOS Setup Utility setup values as follows in order to use a wireless keyboard/mouse with USB keyboard/mouse, or USB keyboard/mouse with PS/2 keyboard/mouse.

A You can use the devices after changing the BIOS Setup Utility Advanced menu > Peripheral Configuration > RF-KBD/Mouse to Enabled. (Refer to Chapter 3 Using the BIOS setup utility)

However, you cannot use the wireless keyboard/mouse with The PS/2 keyboard/mouse, even if your change Using the BIOS setup utility values.

Power save mode

- Q Can I connect an USB device while in the power save mode.**
- A When you connect an USB device in the power save mode, you may not receive a normal display. An USB device must be connected while you are in standard operation mode.
- Q My USB device won't operate properly after leaving the power save mode**
- A Unplug and then plug in the USB device again.
- Q My display is not normal after entering power save mode while in the DOS window.**
- A Press on the <Alt> and <Tab> keys simultaneously.
- Q I can't run the ACPI (power management control) power save mode after adding an expansion card or driver**
- A Check whether the added card or driver support the ACPI function. If the function is not supported, run **start > Control Panel > Performance and Maintenance > Power Options**, and set the system standby mode on **'Never'** in **Power Schemes**.
- Q I cannot run the ACPI (power management control) power save mode while using application programs or games**
- A Check whether the application or game support the ACPI function. If the function is not supported, run **start > Control Panel > Performance and Maintenance > Power Options**, and set the system standby mode on **'Never'** in **Power Schemes**.

Communication

- Q I use an inter-office telephone, but I can't get a dial-tone.**
- A If you are on a private switchboard (including key phone) system that requires dialing "9" to get an outside connection, you must setup the following command before use.
(Or add in the modem initialization command)
-Setup the ATX3 command before use.
-Additionally, if you need to dial "9" before making calls, you insert "9" after the ATDT. (e.g.: ATDT9,3679-1433)

Others

Q I don't get clear sound when I play a MIDI file in my Karaoke program.

A Run **Start > Control Panel > Sounds, Speech, and Audio Devices > Sounds and Audio Devices** then select the **Audio** tab. Select 'Microsoft GS Wavetable SW Synth in **MIDI music playback**' and click **OK**.

Q My computer cannot recognize the CD drive.

A 1 Check to see if the CD drive and motherboard signal and/or power cables is connected properly.

A 2 Check whether the Master / Slave / CS jumper behind the CD-ROM drive are setup properly.

Q My display will not recover properly when the screensaver is activated and deactivated while using Windows Media Player.

A 1 As a particular characteristic of Windows, you must turn Windows Media Player Off and then On again to recover your display functions.

Q When I replace my Hard Drive.

A If the new Hard Drive has not been formatted, you must boot up by using the System Recovery CD and partition the Drive before formatting. Continue installing Windows once format is complete. Once Windows installation is complete, use the Software CD to install necessary programs and drivers. (Refer to reinstalling your software, Reinstalling Windows)

Q When installing a Samsung monitor/printer.

A If the new monitor and printer drivers are not preinstalled in Windows XP, the PreInstall program will run automatically upon connection to install necessary drivers. However, if you've reinstalled Windows, the PreInstall program will not run. To reinstall the drivers, use the installation CDs provided with your printer and monitor.

- Q **I cannot run games and I'm getting noise in the sound/music.**
- A 1 If you've reinstalled Windows, change the CD Drive driver setup to DMA. The following is the procedure to use when the CD driver is setup as the Master for the secondary IDE controller (default).
1. Click **start > Control Panel > Performance and Maintenance > System.**
 2. Select the **Hardware** tab and click on **Device Manager.**
 3. Double-click on **IDE ATA/ATAPI controllers** and again on **Secondary IDE Channel.**
 4. Change the **Device 0 Transfer Mode** in the **Advanced Settings** tab to **DMA if available.**
- A 2 Try adjusting the Hardware Acceleration
1. Click **start > Control Panel > Sounds, Speech, and Audio Devices> Sounds and Audio Devices.**
 2. Click **Advanced** in the **Speaker settings** on the **Volume tab.**
 3. After clicking on the **Performance** tab, adjust **Hardware acceleration.**
- Q **When installing the Windows XP sound driver for the first time.**
- A When you install the sound driver for the first time after installing Windows XP, the gameport/MPU401 is automatically installed in the final step. Therefore, when the message "**New Hardware has been installed and is ready for use**" appears indicating that the gameport/MPU401 has been installed, select "Yes, restart my computer now" in the Setup window and press [Finished] to complete driver installation.

- Q **How do I setup the graphics output on digital when using a LCD monitor.**
- A When you are using an LCD monitor connected to the DVI monitor port, setup the soundcard output on digital. By doing so, both your graphics card and monitor will offer digital output for better picture quality. Please setup as follows according to the type of graphics card used.

■ **For models with the GeForce2MX graphics card**

1. In the Desktop, click on the right mouse button. Click on **Properties** in the display menu.
2. Select the **Settings** tab and click on **Advanced**.
3. In the TwinView tab, click on **Output Device**. Click on **Output Device** in the menu.



4. Select **Flat Digital Panel** in the Output Device tab and click **OK**.

Appendix



Appendix

The Appendix contains the System Spec,
Other Useful Information, and Cautionary
Measures.

Specifications

Let us look at the computer's basic specification. The product specifications may vary according to the product model.

| Item | Specifications | Remarks |
|-------------------------------|--|----------|
| CPU | Intel Pentium 4 4GA-478 1.4GHz-2.0GHz | Optional |
| Cache Memory | Internal 256KB CPU | |
| Main Memory | PC133 SDRAM 256/512MB | Optional |
| System Chipset | Intel i82845 (MCH) + Intel i82801BA (ICH2) | |
| Hard Drive (HDD) | ATA 100 40/60/80 GB | Optional |
| DVD/DVD-Combo | DVD: 16X, DVD-Combo: 8X | Optional |
| Graphics Card | SVB-8634S-DVI, Memory: 32MB, Chipset: GeForce2MX | Optional |
| Sound Card | SAB-5200E (ESS ES1992S 5.1Ch) | |
| Modem Card | SFM-4400LW 56Kbps Data / 14.4Kbps Fax | |
| Network Card | 10/100M 3Com (3C905CX-TXM) | |
| IEEE 1394 | TSB43AB22 2 Connector (Front: 4pin / Back: 6pin) | Internal |
| PCMCIA | PCI1410PGE 1 Slot | Internal |
| Expansion Slot | 1 AGP / 3 PCI / 1 Modem / 1 PCMCIA | |
| Ports | Back: 1 Serial / 1 Parallel / 3 USB / 2 PS/2 / 1 IEEE 1394(6pin) Front : 1 USB / 1 Line Out / 1 IEEE1394 (4pin) / 1-S/PDIF(optical) | |
| Size | Width 140 x Length 290 x Height 344mm (Excluding the pedestal) | |
| Weight | 8Kg | |
| Recommended Usage Environment | Temperatures : 5°C ~ 35°C | |
| Power | Humidity : 30% ~ 80% RH | |
| Frequency | 100-120 VAC / 200-240 VAC | |
| Power Input | 50 / 60Hz | |
| Input Current | 100-120 VAC / 200-240 VAC | |
| Power Output | 5.0A / 2.5A | |
| | ±12V, +5V +3.3V, +5V SB | |

Note

To find out detailed computer specifications.

Refer to the catalog that came with your computer at the time of purchase.

In **start > Help and Support > Pick a task > Tools > My Computer Information.**

Click on the categories on the right side of the display to view **My Computer Information.**

Other Useful Information

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CB Safety

This computer was tested to comply with IEC 950 standards by manufacturer.

Laser Safety

All systems equipped with CD or DVD drives comply with the appropriate safety standards, including IEC 825. The laser devices in these components are classified as

“Class 1 Laser Products” under a US Department of Health and Human Services (DHHS) Radiation Performance Standard. Should the unit ever need servicing, contact an authorized service location.

Caution : **Laser Safety Note:**

Use of controls or adjustments or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

To prevent exposure to laser beams, do not try to open the enclosure of a CD or DVD drive.

Safety Instructions

Instructions for Setup

- **Set up the system on a stable work surface.**

If the system is dropped it may be damaged or it may inflict injuries on the user.

- **Do not use loose power outlets or damaged power cables.**

There is a danger of electric shocks or fires.

- **Set up the system in a clean, dry and airy place.**

If the system overheats, it may be damaged or it may cause fires.

- **Use standard power voltage.**

High-voltage may result in product damage or cause fires.

- **Use grounded power outlets designed for computers.**

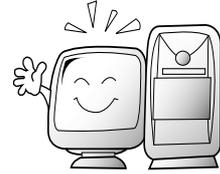
A grounded power outlet prevents electric shock from electricity leakage.

- **Set up the system away from magnetic objects.**

Contents of the hard disk drive may be deleted or the color of the monitor may be permanently distorted.

- **Dispose of moisture-reducing agents and plastic packaging properly.**

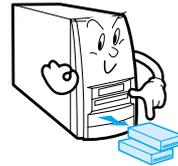
Consumption of moisture-reducing agents and placing plastic packaging over the head is fatal, especially for children.



Instructions for careful handling

- **Handle with care so as not to damage the data in the hard disk.**

- Since the hard disk is fragile and sensitive to external conditions, it may be damaged from temperature changes or impact during operation. Take extra care to prevent such damages.
- Loss of data due to external conditions or carelessness during use is the user's sole responsibility and the manufacturer shall not be held liable for any compensation.



In order to minimize damages from data loss, please backup data at all times.

Cases when the hard disk and data may be damaged:

- External impacts while separating from or installing into the computer may cause disk or data damage.
- Power failure during hard disk operation resulting in resetting the computer may cause disk or data damage.
- Execution of delete (DEL) or format (FORMAT) commands by mistake may cause loss of data.
- Virus infection may cause unrecoverable loss of data.
- An abrupt power cut during program operation may cause disk or data damage.
- Moving the computer, or impacts to the computer during hard disk operation may cause data loss or bad sectors on the hard disk

- **Be sure to make backup copies of important data.**

The Manufacturer is not liable for lost data.

- **Turn on peripheral devices before, turning on the computer**

Otherwise damages may occur.

- **Turn off the computer before turning off other peripheral devices.**

Otherwise damages may occur.

- **Do not touch the modem, telephone lines and exposed electrical terminals during a thunder storm**

There is a danger of electric shocks or fires.

- **Before disassembling the system, turn the power off and disconnect the power cable.**

There is a danger of electric shocks.



