



P/N:3828BPH000A



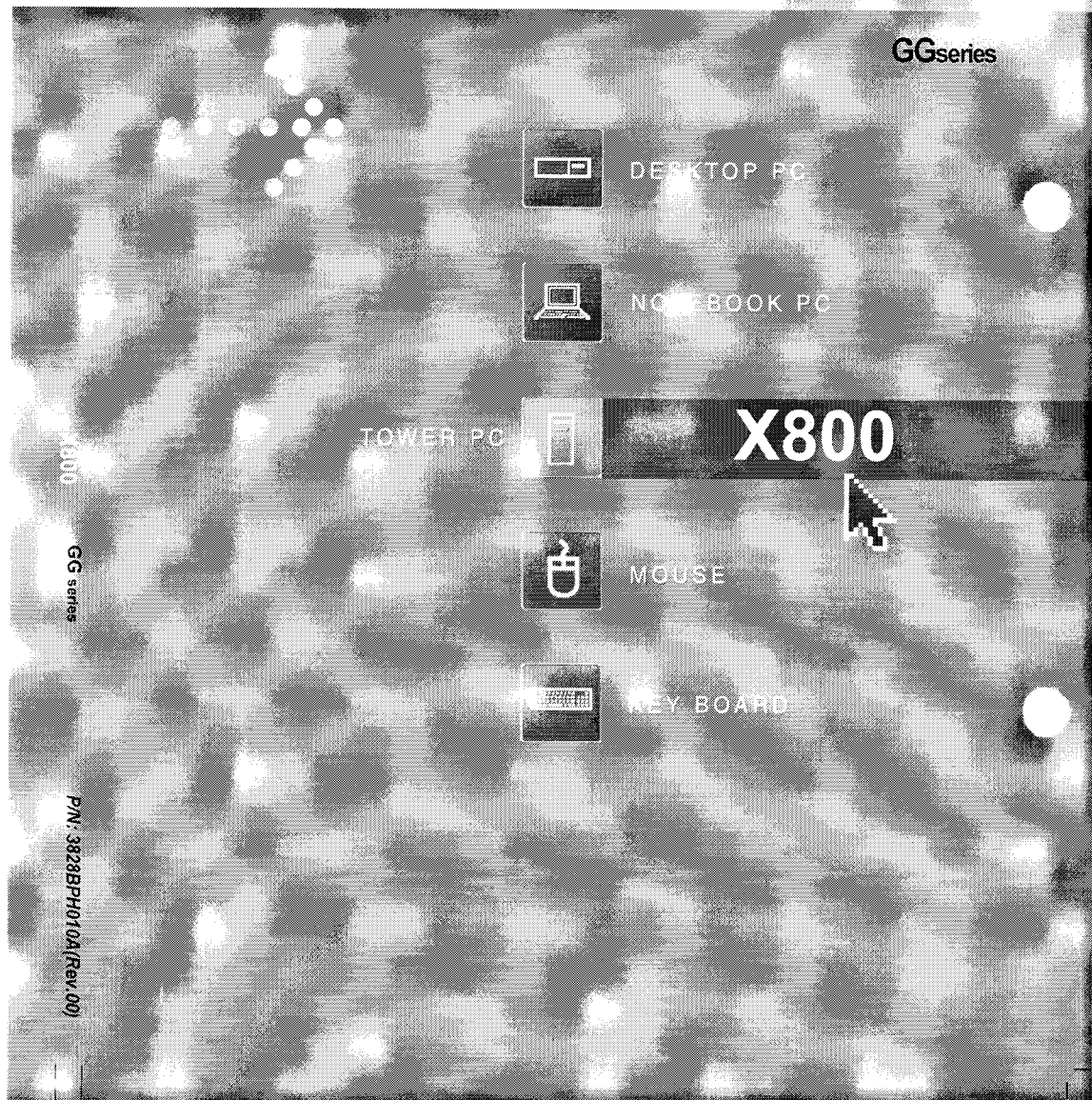
Rev.00

User's Guide



User's Guide

GGseries



X800

GG series

P/N: 3828BPH01 0A(Rev. 00)



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LG Electronics, Inc., DigitalMate Co., Ltd.

Thank you for using the LG product.

LG has manufactured and tested this product to provide you with a reliable computing environment.

Please read this manual carefully before using the computer.





This sign calls attention to features and operations that may be dangerous to the user. Follow the instruction closely to reduce the risk of bodily harm or damage to the equipment

1.Warning: Not following the instruction could result in death or serious injury.

2.Caution: Not following the instruction could result in minor or moderate injury and/or damage to the product.

**This User's guide is for FK model.
Instructions may be different depending on models.
Check your model before reading User's guide.**

Keep User's guide at a place where other users always can reach

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- Information in this manual may include technical inaccuracies or typographical errors. Images in this manual are for illustrative purposes only and may be different from the actual product.
- LG reserves the rights to make improvements and/or changes to the product without notice.
- Reproducing any or all of the information contained in this publication without written permission is prohibited.
- This computer complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use.

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Important Safety Instructions

Following instructions are to help users to use the product safely and properly and to prevent any potential risk or damage. Please read the following instructions carefully before using the product.

Installation

Warning

Do not use the product in damp places including a laundry room and bathroom.

The computer may not function correctly, and there is the risk of electric shock. Operate the computer within a temperature range of 41 to 95°F (5°C~35°C) and 30 to 80% of relative humidity

Dispose of its desiccating agent and vinyl packages properly.

A child may get suffocated by swallowing the desiccating agent or wearing the packages on head.

Caution

Use the product in a dust-free environment.

Otherwise, the product may malfunction.

Do not place any mechanical interference within a 15cm radius of the computer.

The computer may be heated from inside and result in a burn.

Keep away from the moisture condensation.

It may damage on the computer. If this happens, turn off the computer and make it dry before power is on

Operate the product in a place without electromagnetic interference.

Keep a proper distance between the computer and such electronic appliances as speakers that generate strong magnetic fields. Otherwise, data stored on the hard disk may be lost or the display color on the monitor may be impaired.

Power Connection



Warning

Do not use loose plugs or damaged power cords.

An electric shock or fire may occur.

Operate the product at the proper voltage.

Excessive voltage may result in damage on the product, electric shock or fire.

Use a socket with an earth pin equipped.

If not earthed, the product may cause an electric shock and get damaged.

Use power outlets with an earth pin installed and proper supply of rated electricity.

An electric leakage may cause an electric shock or fire.

Do not touch the power cord with your hands wet.

There is a possibility of an electric shock.

In the case that a strange noise is heard from the cord or plug, disconnect the power cord from the outlet immediately and contact the service center.

A fire or electric shock may occur.

Tightly connect the power cord to the outlet.

Loose connection of the power cord could cause a fire.

Pull the plug, not the cord, to disconnect the power.

Otherwise, a fire may occur or the product may get damaged.

Always keep the power cord and the outlet clean.

A fire may occur.

In the case that a watery or other alien substance enters inside the computer, disconnect the power and contact the service center.

Damaged parts may cause a fire or electric shock.



Use a socket with an earth pin equipped.

If not earthed, the product may cause an electric shock and get damaged.

Use power outlets with an earth pin installed and proper supply of rated electricity.

An electric leakage may cause an electric shock or fire.

Do not impair the cord by excessive bending or hard pressing. Keep the power cord out of reach of children and pets.

A damaged power cord may cause an electric shock or fire.

Using the Computer



Warning

Clean the computer with proper detergent and dry it completely before using it again.

Otherwise, a fire or electric shock may occur.

Disconnect the power and the Internet line from the modem, the LAN card and others in case of a lightning strike.

An electric shock or fire may occur.

Do not leave a cup or other containers filled with chemical or water near the computer.

In the case that liquid is spilled inside the computer, a fire or electric shock may occur.

Do not connect a key-phone line to the modem.

A fire may occur or the product may get damaged.

In the case that the computer is dropped or get damaged, disconnect the power and contact the service center.

If a damaged computer is used continuously, an electric shock or fire may occur.

Do not expose the computer to direct sunlight.

The product may be deformed or caught on fire due to a temperature rise.

Do not put a lit candle or burning cigarette on the computer.

A fire may occur or the product may get damaged.

If you smell or see smoke from the computer, stop using the computer and disconnect the power before contacting the service center.

A fire may occur.

Please ask one of our engineers to check the operational state after your computer has been repaired.

Otherwise, there exists a possibility of an electric shock or fire.

Leave the product away from heat-generating devices such as a heater.

The product may get deformed or catch on fire.

Before turning on the system, switch on peripheral devices.

Otherwise, the product may get damaged.

Turn off the system before switching off peripheral devices.

Otherwise, the product may get damaged.

Connect allowed devices only.

Otherwise, the product may get damaged.

Do not use a damaged CD-ROM disk or floppy disk.

Otherwise, the product may get damaged or an injury may occur.

It is recommended not to use a wireless LAN connection within a 5m radius of a microwave or plasma light. If you have to use wireless LAN and a plasma bulb within the range, however, do it through a channel between 11 and 13.

Still, the connection may not be made, or the transmission rate may drop.

Do not press "Eject" button while the Floppy/CD-ROM drive is running.

The data may be lost or the disk may spin out unexpectedly to cause an injury.

Insert a memory card in the correct direction.

A forceful insertion of the memory card may damage the product and the memory.

Do not drop a part or device of a computer when ejecting it.

If dropped, they may get damaged and cause an injury.

Storing and Moving the Computer

Caution

Before moving the computer, turn off the power and disconnect all cables.

If not, one may trip over the wire, damaging the computer and getting an injury.

Upgrading the Computer

Warning

When disassembling the computer, do not take out the power supply unit and prevent children from swallowing nuts unscrewed.

If a child swallowed a nut, they may get suffocated. In that case, see the doctor immediately.

Do not disassemble the power supply unit.

You may get an electric shock.

Before disassembling the product, turn off the system and disconnect the power cable. In case the telephone line is connected to the modem, disconnect the telephone line also.

An electric shock or fire may occur.

Do not disassemble or moderate the computer arbitrarily.

An electric shock may occur.

When handling computer parts, follow the instructions included in the manual.

Soldered prickles on the board may cause an injury.

Please use parts certified by LG Electronics.

A fire may occur or the product may get damaged.

Please contact our service center before you connect an peripheral device not manufactured by LG Electronics to your computer.

The product may get damaged.

Safety Notes to Prevent Data Loss (HDD Management)



Caution

Handle the computer with care to prevent a data loss.

- Since the hard disk is sensitive to shocks, please make a back-up file of important data all the time.
- The manufacturer will not be responsible for any hard-disk data loss caused by a user's mistake.

Hard disk damage and data loss may occur when.

- External shocks are given on the computer while the computer is separated or installed.
- The computer is reset (rebooted) due to a power failure while the hard disk is running.
- The computer is infected with a virus, tainting the data recoverably.
- The power is abruptly disconnected.
- Moving, shaking or pounding the computer while the hard disk is running, and thus causing file damage or bad sectors.

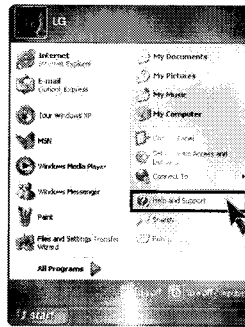
It is recommended to back up the data to minimize damage caused by hard disk damage.

The manufacturer is not responsible for any data loss.

● Help and Support

Click the "Help and Support" menu to learn Windows operation and troubleshooting, and receive technical supports. Please read the menu before using the computer.

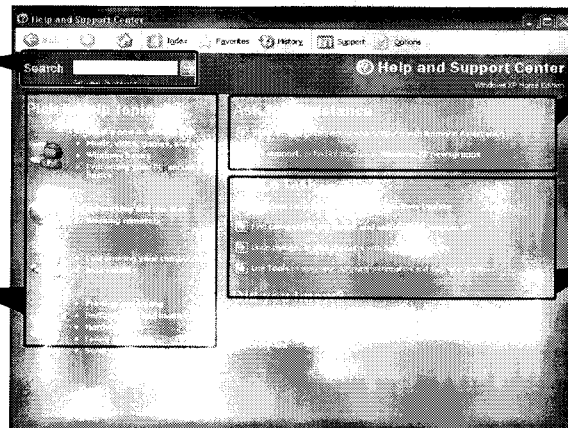
- 1 Click **[Start]** button, and then **Help and Support**.



- 2 Then, the following screen will appear.

Suggested items, text search result, Microsoft Knowledge Base and other contents are investigated. Microsoft Knowledge Base is supported only when the Internet is connected.

By selecting proper items, the user can check functions of Windows XP and troubleshooting.



Through the Internet connection, the user can ask others for a help and receive the telephone number of the technical support center.

The user can configure the optimal environment for computers.

1. Installing the system



1-1. Contents of the Product

Contents and the front design of the product may differ by model.

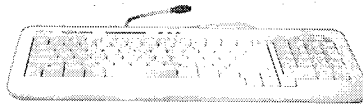


Caution

Be sure to use designated cleaning chemicals to clean your computer. Use of other chemicals such as thinner, benzene or alcohol may cause damage or deformation of the product.



Computer



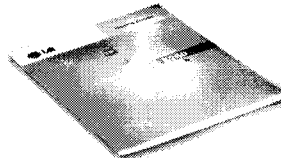
Keyboard



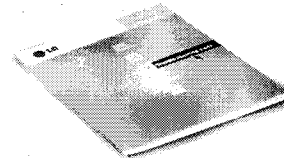
Mouse



Power Cord



User's guide



Troubleshooting guide



Modem cable



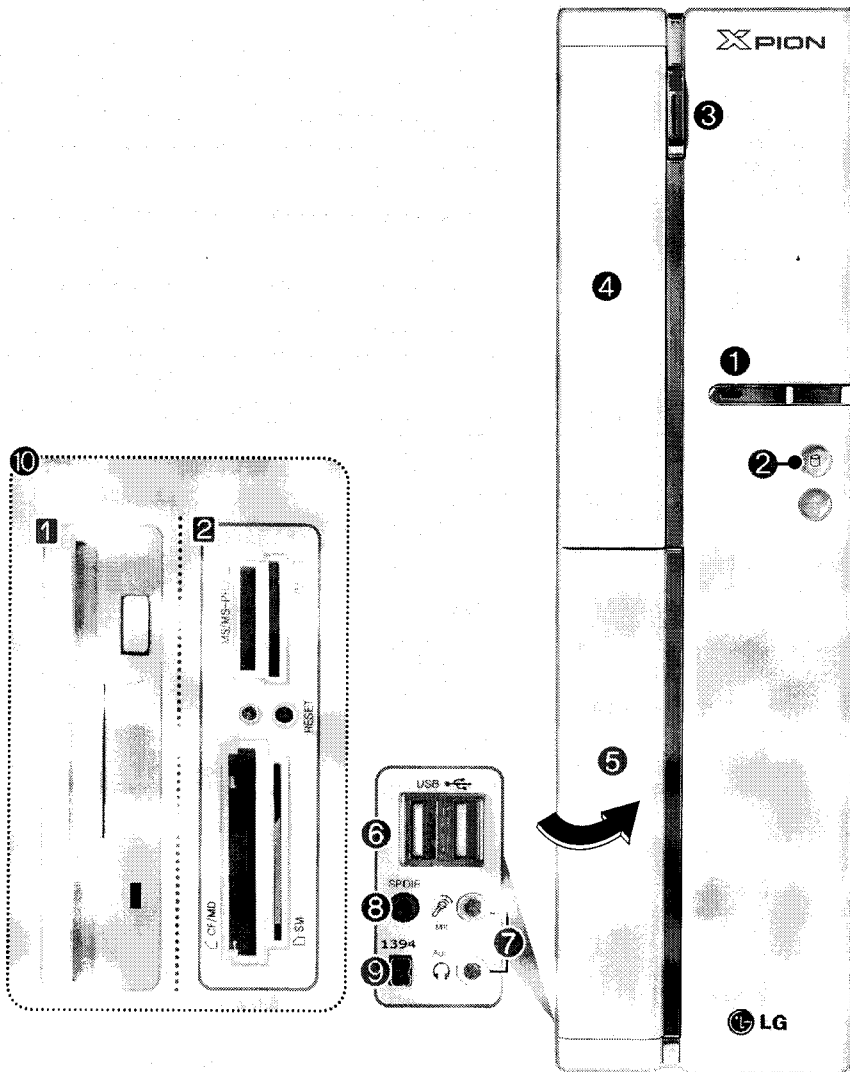
LG GILJABI CD
(Software installation CD)



Recovery CD

1-2. Composition

Front Part



⑥ USB (USB 1.0 Port) Connector

Connects USB devices or hubs (including a USB mouse or digital camera).

⑦ IEEE1394 Connector

Connects IEEE 1394-4 4-pin devices (including a camcorder).

⑧ Sound Connector



Earphone Connector

A port for external earphones.



Microphone Connector

A port for external microphone.

⑨ Multimedia Card Slot

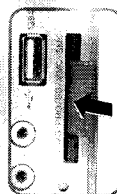
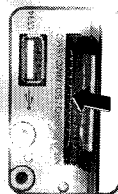
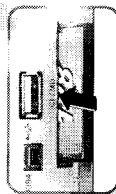
Hosts various portable memory cards - CF, MD, MS, MS-PRO, SD, MMC, SMC and others.

⑩ Support


The support of for stable installation of the main body of the computer.



Caution



Each slot is marked with a symbol indicating proper card types that can be accommodated. Check the symbol and insert a right type of memory card in the direction as shown in the figure.

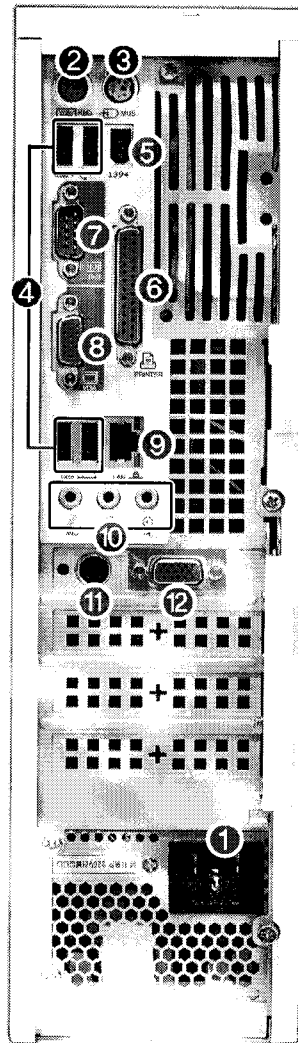
Do not delete [Safely Remove Hardware] () icon. Otherwise, the computer needs rebooting to use the memory card slot.

- Remove the support to use your computer laid down.
- To use the computer with the body standing, install the support. Otherwise, the system may function unstably.

Note

- Optional parts differ by product model. For more information about optional parts, see Option Guide of GILJABI CD.

Rear Part



Note

■ The rear configuration may differ from the image depending on product model.

❶ Computer Power Connector

Connects the power cord to provide power to the computer.

❷ Keyboard Connector

Connects a PS/2 keyboard.

❸ Mouse Connector

Connects a PS/2-type mouse.



Warning

Do not disassemble power supplies.
There is a risk of electrical shock.

❹ Serial Connector

A serial communication connector to exchange data between the computer and external devices.

❺ Video Connector

Connects the monitor cable to use a built-in video. Does not function when a video card is installed.

❻ Parallel Connector

Parallel communication connector to transmit data from the computer to external devices, mostly to the printer.

❼ USB (USB 2.0 Port) Connector

Connects USB devices or hubs such as USB mouse or digital cameras.

❽ LAN

Connects other systems and hubs through the UTP at 10/100/1000 Mbps.

❾ Sound Connector

External Speaker Connector

Hosts an external speaker Connector.

Line Input Connector

Hosts an external audio Connector.

Microphone Connector

Hosts an external microphone Connector.

❿ Digital Sound Output Port (S/PDIF)

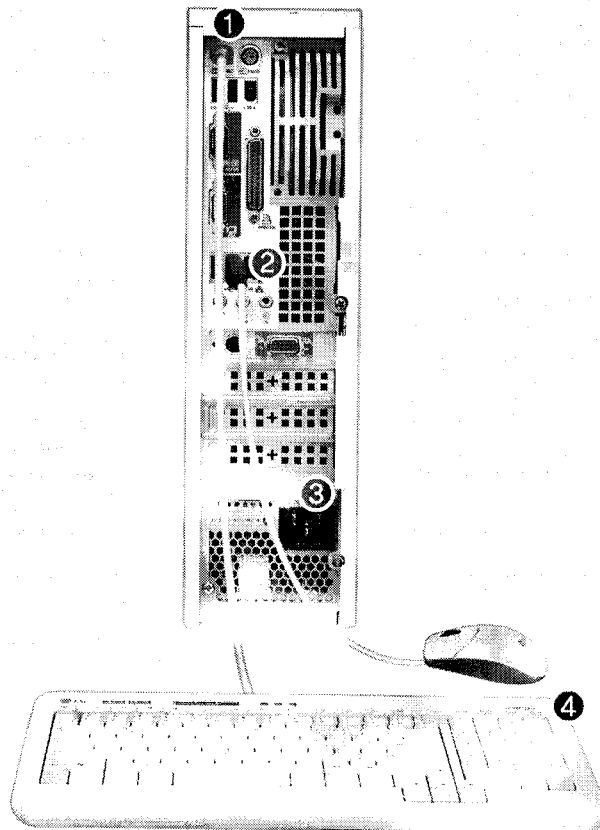
An optic output port to produce digital sound.

Note

Modem cable is offered for models that support modem card.

1-3. Installation

Installation is not difficult, and we recommend users to install by themselves. Before installation, turn off the computer and all peripheral devices. As the keyboard and the mouse use same-shaped connectors, please check the symbols next to the mouse connector hole and the keyboard connector hole. Card composition is different from product to product.

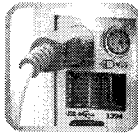


Warning

- Do not leave a liquid container on the computer. An electric shock may occur and the system could break down.
- Keep the ventilation hole of the power supply unit free of alien substances. Internal parts of the computer may get damaged and an electric shock may occur.

1 Connecting the Keyboard

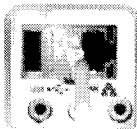
The connector of the keyboard cable is round in shape and consists of 6 pins.



Insert the keyboard connector pin correctly in the keyboard connector hole on the rear panel of the computer. Insert the keyboard cable connector as shown in the figure.

2 Connecting a Mouse

The mouse cable has a round connector with 6 pins.



The round connector on the mouse cable fits into the PS/2 connector on the rear of the computer. Be sure to align the 6 pins on the cable with the corresponding holes on the connector.

3 Using the Keyboard Support

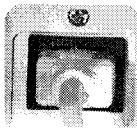
Installed at the bottom of the keyboard.



Raise the keyboard supports to relieve fatigue on the wrists.

4 Connecting Power

Power supply is 110V/220V (selection) or 220V only.



Connect the power cord to the computer and the outlet on the wall.



Warning

- Power supply is 110V/220V (selection) or 220V only.
- Check the location of the switching button when 110V/220V (selection) is used.



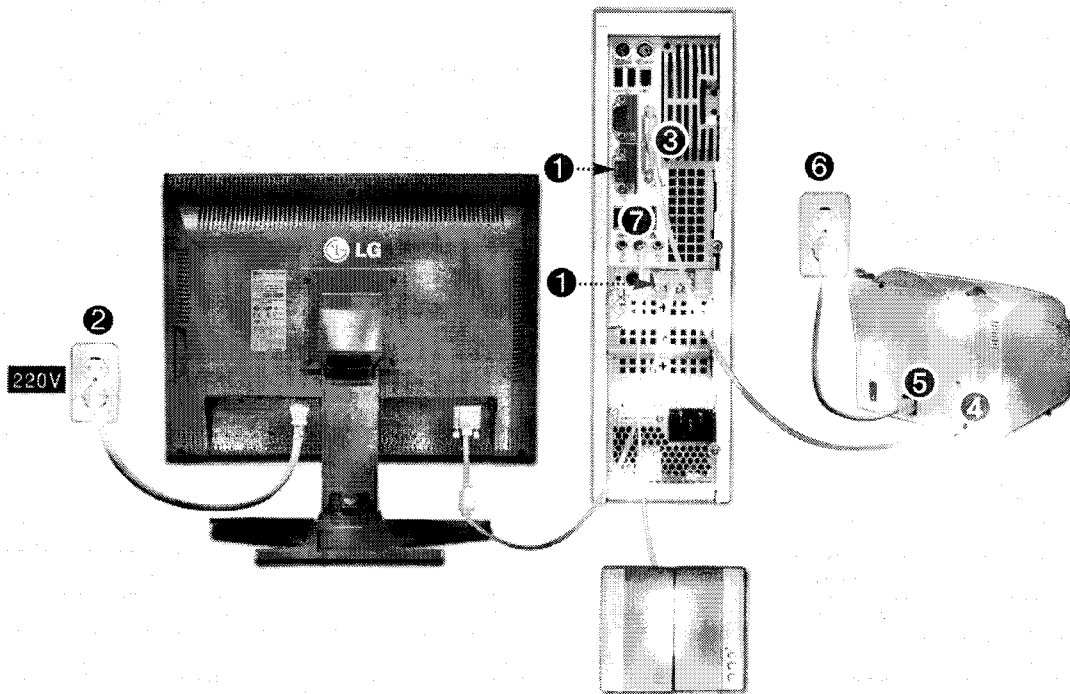
220V use



110V use

- Operate the product at the proper voltage when selecting 110V or 220V power supply. Incorrect use of power supply may damage the product or fire.

1-4. Connecting Peripheral Devices (To Be Separately Purchased)

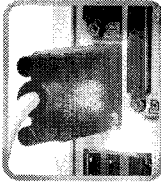


Warning

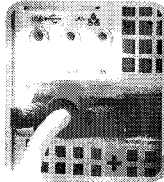
- Do not connect too many cables to one extension cord. An electric shock may occur.
- Do not leave the power cord below the body.
- Do not touch the outlet when connecting or disconnecting the power cord. An electric shock may occur.

Connecting Monitor (To Be Separately Purchase)

The monitor signal cable and the power cords are included in the package box.
For more information about using the monitor, see the monitor manual.



When using a built-in video

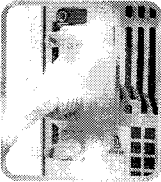


When the video card is installed

- ❶ Connect the monitor signal cable to the Video port to transmit computer signals to the monitor.
- ❷ Connect the monitor power cable both to the monitor and the power outlet to supply power to the monitor. When turning on/off the computer, turn on/off the monitor. When using the same power supply unit for the computer and the monitor, check the voltage of the monitor before turning on.

Connecting the Printer (To Be Separately Purchased)

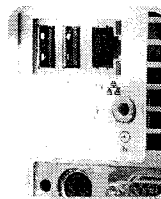
The printer cable and the power cords are included in the package box.
For more information about using the printer, see the printer manual.



- ❸ Connect the printer cable to a parallel connector of the computer. (However if the printer supports USB ports, connect it to the USB connector.)
- ❹ Connect the other end of the printer cable to the printer parallel connector.
- ❺ Connect the power cord of the printer to the printer power connector.
- ❻ Connect the power plug of the printer to the power outlet.

Connecting the Speakers (To BE Separately Purchased)

This product is not equipped with speakers.
To output sound, connect external speakers.



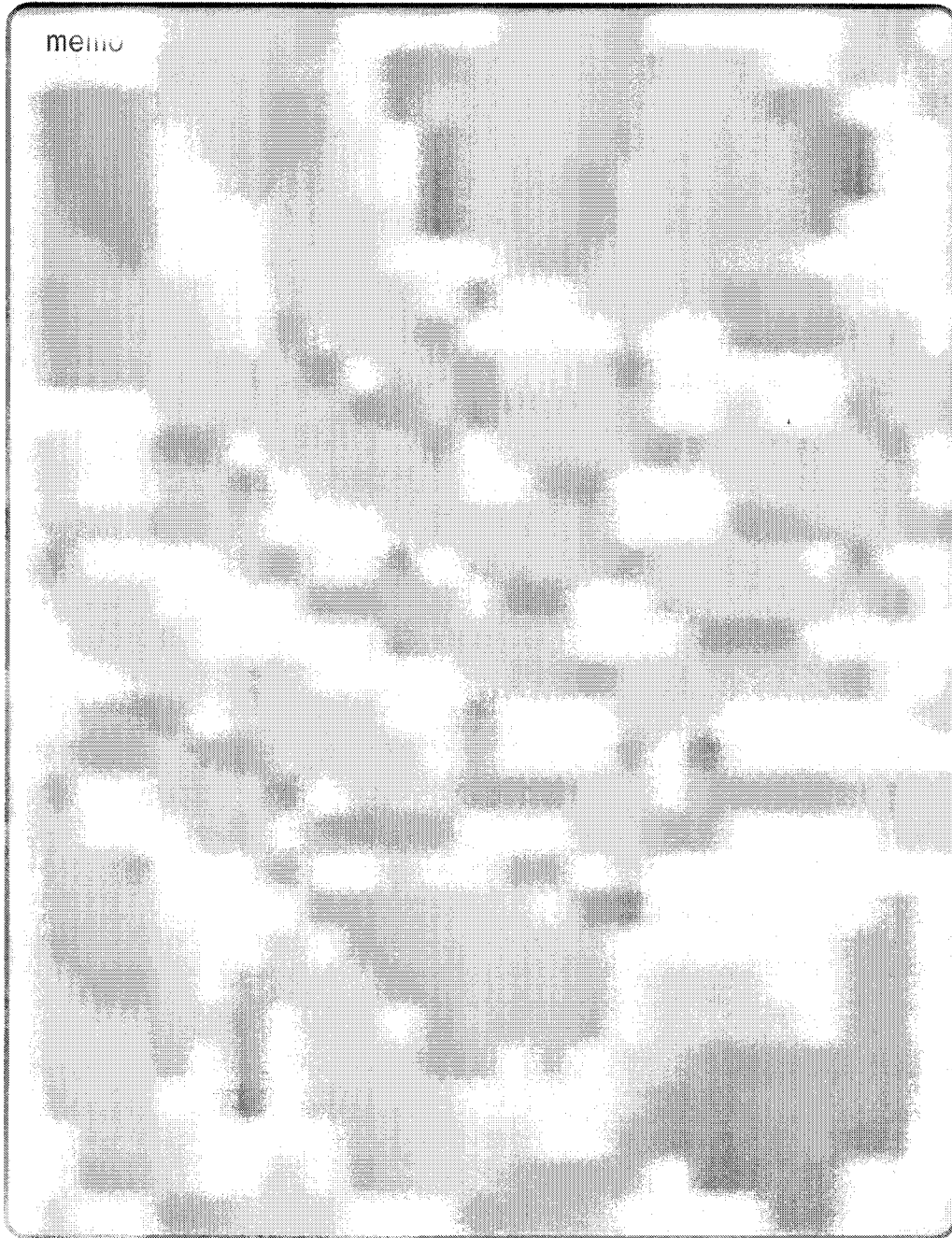
- ❸ Connect the speaker connector to External Speaker (🔊) connector on the rear panel of the computer.

Note

- Adjust sound volume by using [Volume Control] icon from the taskbar.







2. Using the System



2-1. Turning on the Computer

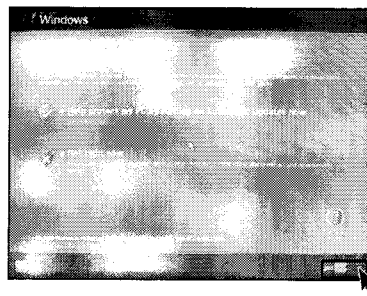
Check if the floppy disk drive on the front part of the computer is empty and the power cord and the peripheral devices are connected to the computer on the rear panel. After installing the system, register user information. Turn on the power of the main body, and register user information by following the Windows screen instructions.

● Registration process

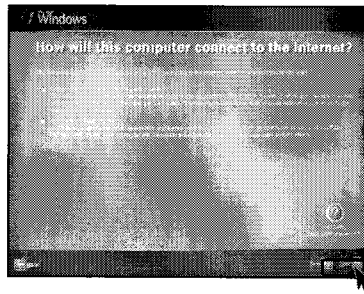
- 1 Pressing the power switch starts the self-diagnostic procedures; then Windows(R) XP startup screen is displayed. In a moment, a dialogue box, saying **Welcome to Microsoft Windows** appears on the screen. Then Click **[Next]**.



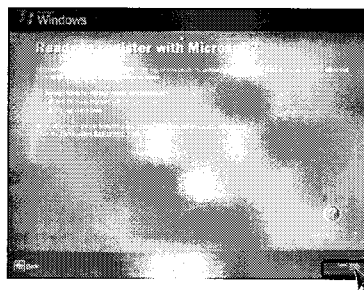
- 2 After **Help protect your PC** message appears on the screen, select **Help protect my PC by turning on Automatic Updates now** and then press **[Next]**.



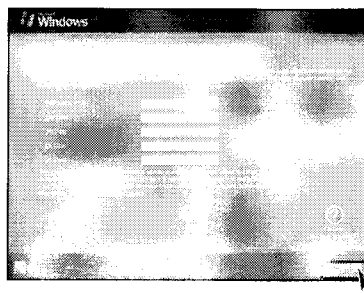
- 3 Internet connection option screen appears, follow the instruction.



- 4 If you turn the power on the computer for the first time, you have to register your copy of Windows XP. The registration process may differ depending on the model, but the difference does not affect the use of your computer.



- 5 Who will use this computer? message appears on the screen. Type the names of the users and click [Next].



- 6 "Thank you!" message appears on the screen.
Click **[Finish]** to complete the registration process.

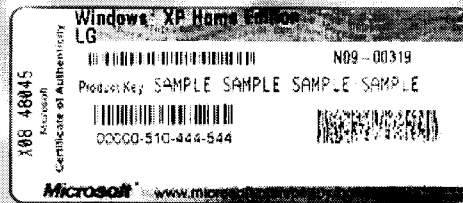


Caution

Certificate of Authenticity

The certificate of authenticity includes the Windows product key. This certificate is the unique indication that proves your Windows is authentic. Do not damage or remove this sticker (attached on the side of the product).

※ The certificate provided may be different from this image.

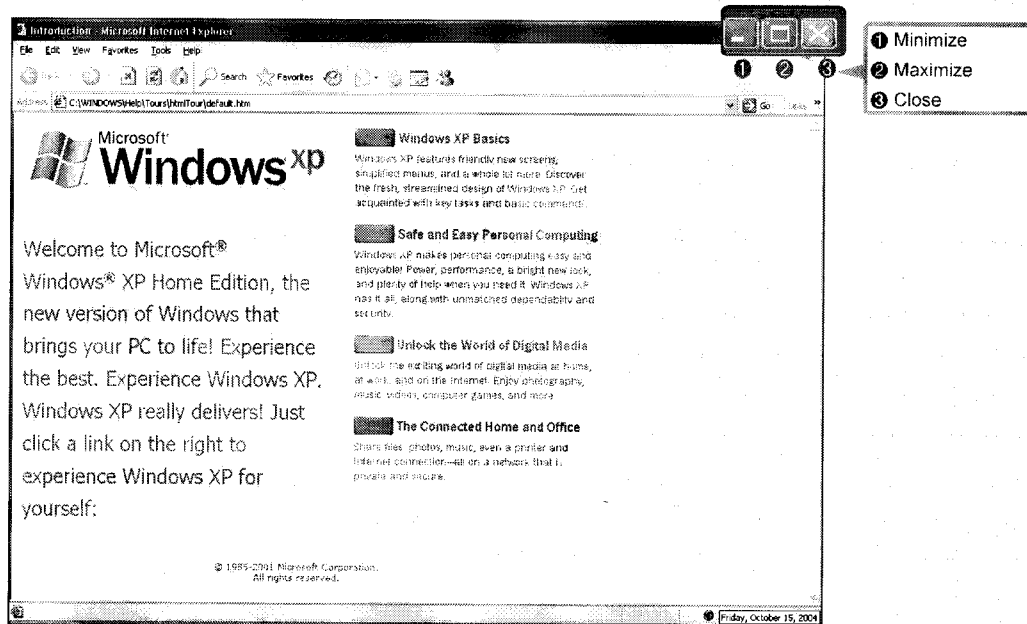


2-2. Using Windows XP

Windows XP is brilliant, fresh, and easy to use. The desktop and task bar images are simplified, and you can easily access applications through the Start menu. There are more "Desktop" options for you to customize the environment.

● Windows XP Tour

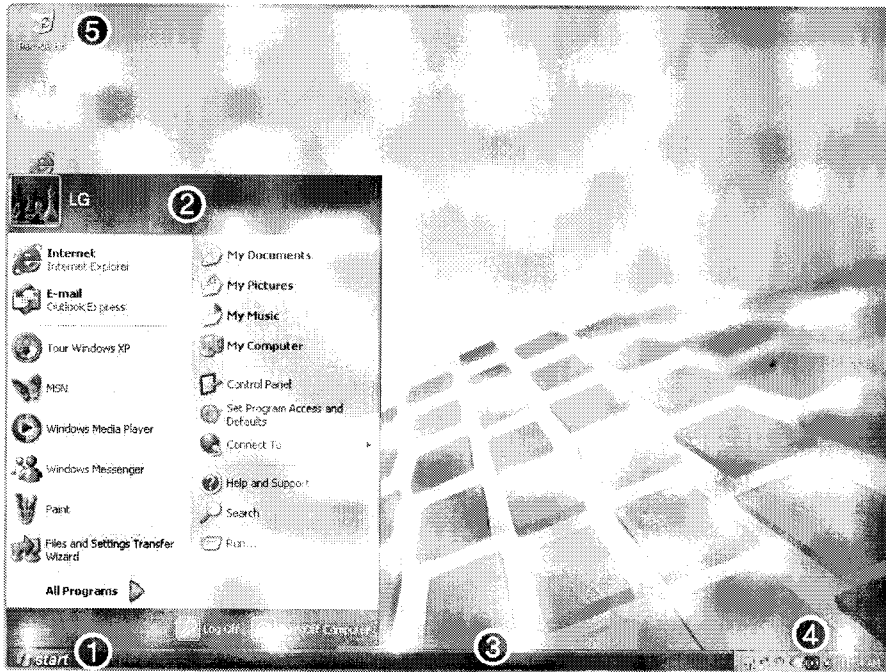
Windows is an operation system of the computer. It is recommended to know basic functionality of Windows for better use of a computer.



Click the **[Start]** button and click **Windows XP Tour**.

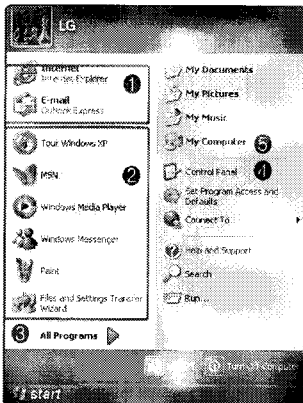
Then, the window will appear. Select a feature of Windows XP to view detailed description.

● Windows XP Desktop



<p>1 [Start button]</p>	<p>Click the Start button to view Start menus. By clicking [All Programs] you can display a list of programs currently installed on the computer.</p>
<p>2 Start Menu</p>	<p>Include necessary applications to start Windows.</p>
<p>3 Taskbar</p>	<p>Indicates currently running programs.</p>
<p>4 Taskbar Icons and Clock</p>	<p>You can set the screen resolution, color, audio, and date/time by clicking icons.</p>
<p>5 Recycle Bin</p>	<p>You can delete files and folders which will be saved automatically in the Recycle Bin. Running Empty Recycle Bin will delete files and folders permanently from your computer.</p>

Overview of Start Menu

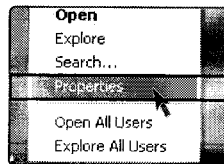


Click the **[Start]** button to view menus that are most commonly used on the computer

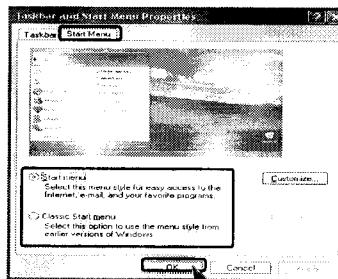
- 1 Fixed Topics
- 2 Recently Used Programs
- 3 All Programs
- 4 Control Panel: Enables to customize computer setting.
- 5 My Computer: Displays information on drives and networks, and enables you to retrieve or run files and folders

To Change Start Menu Style

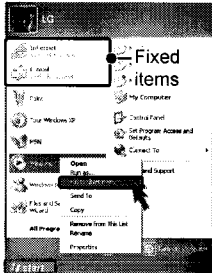
- 1 Right-click the **[Start]** button, and click **[Properties]**. Then, click an option under the Start menu tab.



- 2 To select the default start menu, click **[Start Menu]** on the **[Taskbar and Start Menu Properties]** tab.
- 3 To select the style in an older version of Windows, click the **Classic Start Menu**.
- 4 Click **[OK]** to apply the new settings.

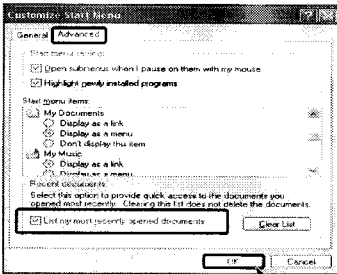


To Display Programs at the top of Start Menu



- 1 Select and right-click a program to display at the top of Start menu.
- 2 Click **[Pin to Start Menu]**.
- 3 The selected program will be displayed on the upper part of boundary as a fixed topic.

To Display Recent Documents on Start Menu



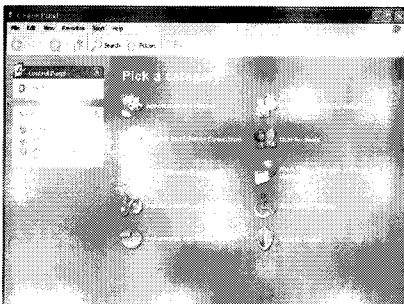
- 1 Right-click the **[Start]** button, and click the **[Properties]**.
- 2 Click Start menu on the Start Menu, tab, and click **[Customize]**. Select **[List my most recently opened documents]** on the Advanced tab, and click **[OK]**.
- 3 Click **[Apply]** → **[OK]** in **[Taskbar and Start Menu Properties]** window to save the new settings. Then, click the Start button to display the Recently Opened Documents folder where recent documents and files are saved will be displayed on the Start menu.

Note

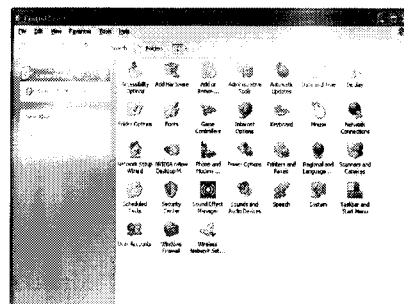
- To empty My Recent Documents folder, click the Clear List on the Advanced tab. Although the list is cleared, the documents will not be deleted in the computer.

Control Panel

Category View, a New View grouping similar topics, has been added to **Control Panel**. Classic View displays all topics individually. You can select either Category View or Classic View according to your taste.



Category View



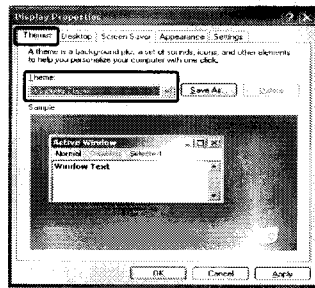
Classic View

● Changing Desktop Appearance and Theme

With Theme menu, you can customize the desktop including the background, the screen saver, icons, windows, the mouse pointer, and sound. If there are multiple users, each user can customize his/her own desktop using Theme menu.

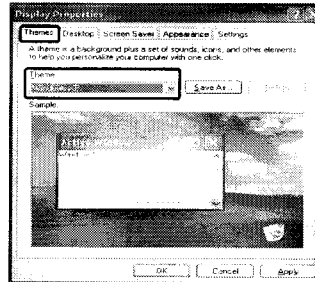
To Use Windows Classic Configuration

- 1 Click [Control Panel] → [Switch to Classic View] → [Display].
- 2 Click [Windows Classic] under Themes tab.



To Select an Other Theme

- 1 Click [Control Panel] → [Switch to Classic View] → [Display].
- 2 Click [Windows XP] under Theme tab.



Note

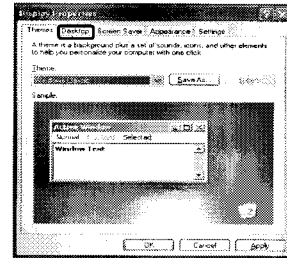
- To view display properties, click [Start] → [Control Panel] → [Switch to Classic View] and double-click Display.

After selecting Windows Classic, you can customize Windows elements such as window borders, icons, and menus.

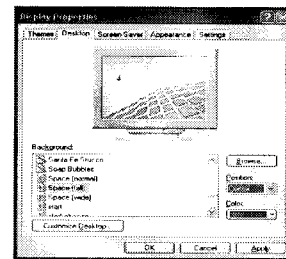
Click Appearance tab, and click Advanced.

To Change Background

- 1 Click [Control Panel] → [Switch to Classic View] → [Display], and select the Background tab. (Or locate the mouse point on the Windows background, and right-click it. Then, a popup menu will appear. Select [Properties] from the popup menu.)

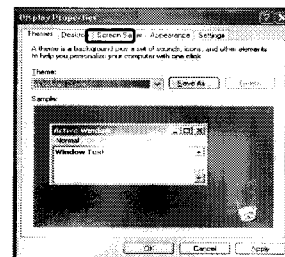


- 2 Click the scroll (triangle down) button, and check the image list. Select an image to use it as the background, and click [Apply]. Then, the background will be changed. However, if there is no image that you would like to use as the background, click [Browse] and select an image file.



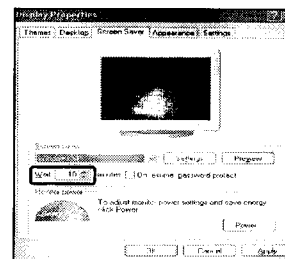
To Set Screen Saver

- 1 Run [Control Panel] → [Switch to Classic View] → [Display]. And select [Screen Saver] tab.



- 2 Select a screen saver from the list.

Click the scroll button of Wait field and set the time to wait till the screen saver is activated. Select Password Protected check box, then you will be requested to enter the password when restarting Windows while the screen saver is running. This feature is convenient for preventing others from accessing data and damaging them.



To Customize Background

- 1 Run **[Control Panel] → [Switch to Classic View] → [Display]**
- 2 Click the theme to change under **[Themes]** tab.
- 3 Change the theme.
- 4 After changing the theme, click **[Apply]** under Theme tab of Display Properties dialogue box and select **[Save As]**.
- 5 Input the name of the theme, and click **[OK]**.

Note

- To view display properties, click **[Start] → [Control Panel] → [Switch to Classic View]**, and double-click on display.

If you change the theme without inputting the theme name, the new theme will be named **previous name (modified)**. However, if you select another theme, the changed theme will be deleted.

The new theme will be saved under My Documents folder. To open My Documents folder, click Start and My Documents.

Taskbar

If there are multiple documents and programs are running on the computer, the taskbar will group tasks and display each group. For example, if there are three Word Pad documents are running on the computer with other seven windows, three Word Pad tasks will be grouped under one Word Pad button. To view a Word Pad document, click the Word Pad group button and select the corresponding document.

For simple display of the taskbar, icons that are not used for a long time and located next to the clock icon will be hidden. Click the arrow button to display hidden icons. Or click on the icon to display it again.



Desktop Cleanup

With Desktop Cleanup Wizard, you can delete hot icon paths that are not used on the desktop. Desktop Cleanup Wizard will be automatically executed every 60 days, or you can run this program when necessary.

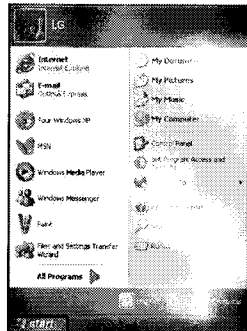
To delete unused icons on the desktop, do the following

- 1 Open **[Control Panel] → [Switch to Classic View] → [Display]**.
- 2 Click **[Customize Desktop]** under Background tab.
- 3 Click **[Clean Desktop Now]** under Desktop Cleanup tab.
- 4 Follow instructions of **[Desktop Cleanup Wizard]**.

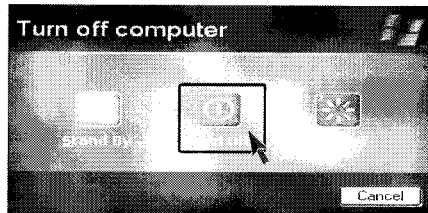
2-3. Turning Off Computer

Abnormal turning-off of the computer may damage data stored in the hard disk.

- 1 Click the [Start] button and select Turn Off Computer.



- 2 When Shutdown screen appears, click [Turn Off].



- 3 The computer will be automatically turned off.

Warning

- You may not be able to normally turn off the computer in Windows. When this happens, press the Power button for five seconds.

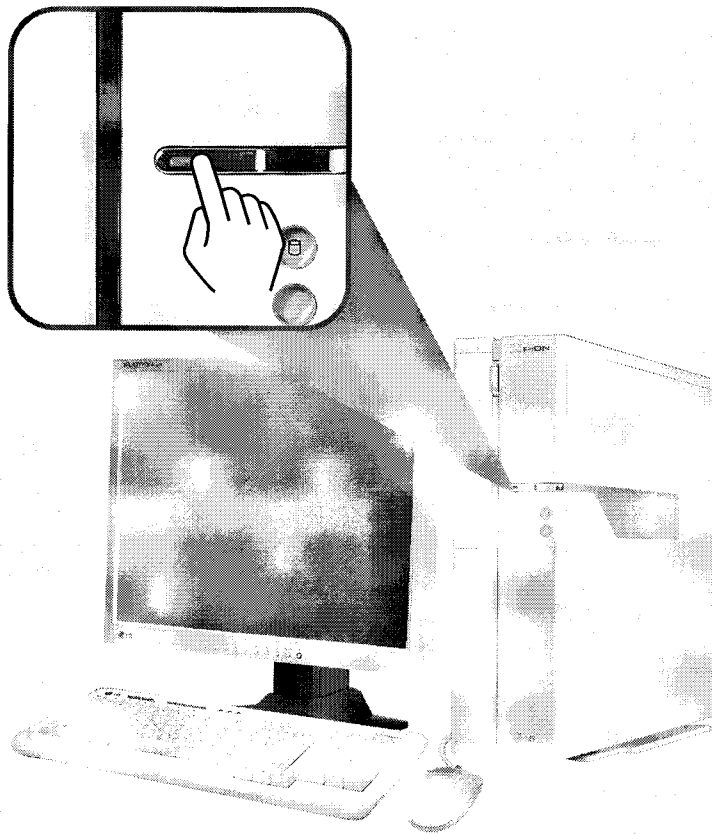
However, this is an emergency measure and taking this measure may result in errors in the system. It is recommended to click the [Start] button and select Turn off Computer menu on Windows desktop to shut down the computer.

Abnormal turning-off of the computer may damage data stored in the hard disk.

- When the program suddenly stops, click [Ctrl] + [Alt] + [Delete] keys and terminate the program through Windows Task Manager or restart the system. If some program files of Windows has been damaged due to abnormal turning-off of the computer, reinstall damaged programs. LG Electronics is not responsible for data loss caused by your mistakes and negligence.

2-4. Rebooting the Computer

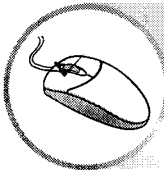
The computer needs rebooting sometimes due to abnormal operation or incorrect use. When this happens, reboot the program as described below.



- 1 Press **[Ctrl] + [Alt] + [Delete]** keys to terminate the program or restart the computer.
- 2 In case the measure described above does not work, press the Power button for five seconds to turn off the computer. Then, restart the computer after 10 seconds.

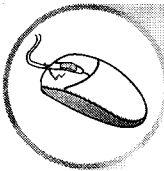
2-5 Using the Mouse

This chapter describes functions of the generally used mouse. Depending on the model, a different mouse is provided. For FK models, an optic mouse is provided.



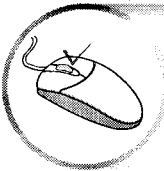
What Is Click (Select)?

You can select a program by clicking the left button of the mouse on the program. The mouse enables you to select or run the program by clicking on it without using the keyboard.



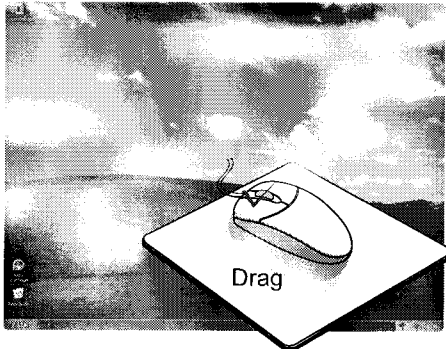
What Is Double-click (Run)?

You can run the program by clicking the left button of the mouse twice consecutively on the program icon. This is called "Double-click."



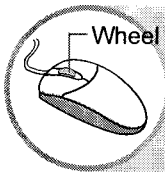
What Is Right-click (Undo/Popup Menu)?

By clicking the right button of the mouse, you can open the popup menu that includes auxiliary functions of the corresponding program such as Copy, Move, and Rename.



What Is Drag (Move while holding down)?

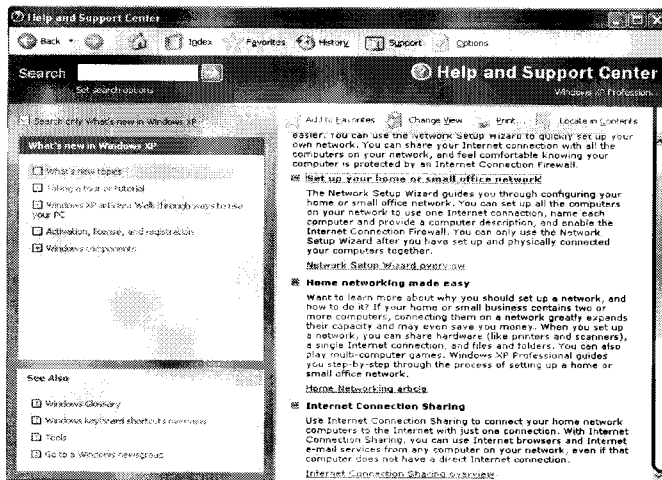
You can move an icon or a window by keeping pressing the left button and dragging the mouse pointer to the intended destination. This is called **Drag**.



Wheel

What is Wheel (Move by rolling the wheel)?

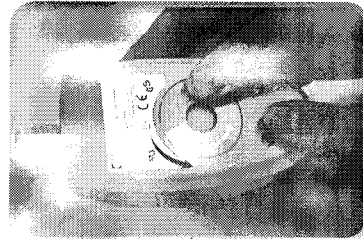
If the program is displayed with a scroll bar, you can view the upper and the lower parts of the program by rolling the wheel of the mouse.



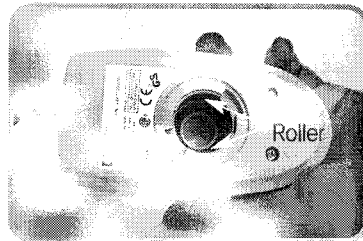
2-6. Cleaning the mouse

If the mouse does not work, clean up the mouse with cotton swap.
Do as follows.

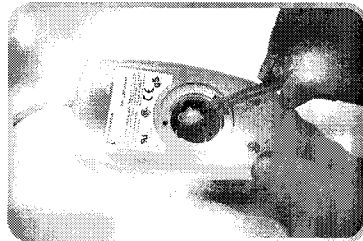
- 1 Open up the cover in the direction of the arrow as shown on the picture and take out the ball.



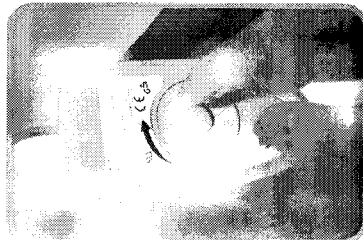
- 2 See if inside of the mouse is filled with dust.



- 3 Clean with cotton swab and alcohol.



- 4 Close the cover in the direction of the arrow and use the mouse.



2-7. Using the Keyboard

The keyboard is a kind of communication tool between the computer and the user. You can input the data, execute commands, and perform certain types of tasks on the computer through the keyboard.



1 ESC key

Terminates or stops the program.

2 Function Keypads

F1 ~ F12 are called function keys, and each function key has a unique role depending on the operating system and program.



F1 Generally displays Help menu of the application.

3 Typewriter Keypad

(See page 36 of the user manual.)

4 Other Keys (Special Control Key)



Print Screen

Prints or temporarily saves the screen.



Scroll Lock

Moves the entire screen while the cursor is not moving.



Pause/Break

Temporarily stops the operation of the computer.

5 Cursor Keypad and Numeric Keypad

These keys are used to move the cursor on the monitor screen (up, down, right and left.) If Num Lock lamp is off on the numeric keypad, the numeric keypad functions the same as the cursor keypad.



Home

Moves the cursor to the beginning of the line.



End

Moves the cursor to the end of the line.



Page Up

Moves the cursor to the previous page.



Page Down

Moves the cursor to the next page.

6 Multimedia/Internet Function Keys



Home

launches the Internet Explorer on your system.



Search

Functions while the Internet explorer or Windows Explorer is running. Functions as "Access Internet Search Engine" in Internet Explorer and "Find Files" in Windows Explorer.



E-mail

Runs e-mail programs installed in the system such as Outlook Express.

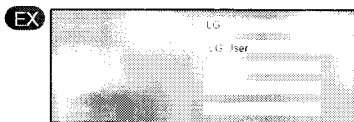
● Typewriter Keypad

The typewriter keypad functions the same as keys on the typewriter. The typewriter keypad includes alphabet, numeric, and Korean characters as well as [Shift] + [Alt] + [Backspace] keys.



1 Tab key

Used to input data in the data input window and to move to the next data input window.



Inputting a name → Tab

→ Inputting initials of the name

2 Caps Lock

Toggle cases.

3 Shift key

Used to input the upper characters of keys or capital English letters.

4, 8 Ctrl and Alt Keys

Ctrl and Alt keys are not normally used alone, but they are used with other keys in combination. They function differently for each program.

! Caution

Spilling the water on the keyboard causes disfunction to the computer.

5 Backspace

Used to move the cursor to the left place by one column and delete each character.

6 Enter

Used to inform the computer of the completion of one command or to change the line

7 Space

Used to make a blank space on the right.

9 Windows

Used to select the Start menu without using the mouse.

10 Press Shortcut menu key to view

Press Shortcut menu key to view Shortcuts for the current program (Shortcut menu key works the same as the right-clicking the mouse button).

11, 12 This key is used in conjunction with [Fn]

key to move on to the next or previous page.

2-8. Using the CD-ROM Drive

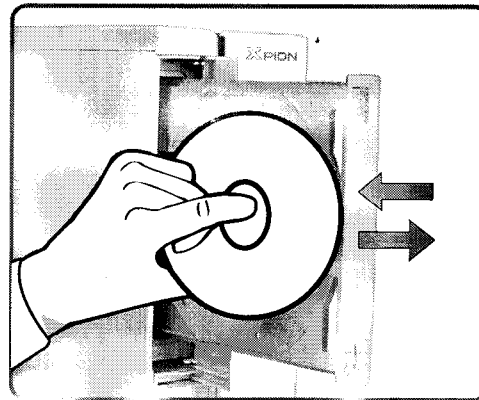
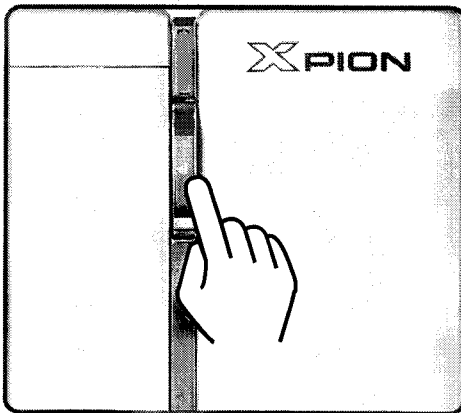
CD stands for Compact Disc, and ROM stands for Read Only Memory. Unlike other auxiliary devices, you cannot write or delete data on the CD-ROM but only can read the data. The CD-ROM drive can read the CD and play audio and video CDs

● Using the CD-ROM

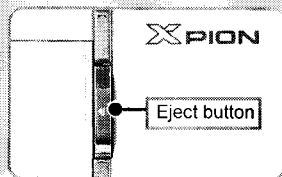
Turn on the computer, and press the Open/Eject button.

Put the CD with its labeled side up, and insert the CD in CD-ROM tray without touching the playing part.

(※ The trademark must face upward.)



Note



Eject : Used to eject the CD. After pressing Eject button, take the hand off away from the CD-ROM drive.

- After inserting a CD, press the CD-ROM cover or press the Eject button again.

● Using the Windows Media Player

The Windows Media Player can play various kinds of audio and video files. You can play and reproduce a CD. If the computer is equipped with a DVD driver, you can play the DVD title, listen to Internet radio programs, play movie clips, and watch music video on an Internet sites. You can also create his/her own music CD with the Windows Media Player.

- 1 Click the **[Start]** button on the desktop, and select **All Programs → Accessories → Entertainment → Windows Media Player**.
- 2 When the Windows Media Player is executed, click the **[Open]** button and select audio or video file to play.

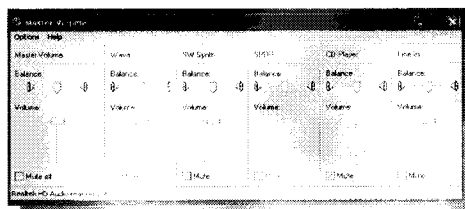


Adjusting the Volume

- 1 Click **[Master Volume]** icon from the taskbar.



- 2 Drag the slide bar to adjust the sound of the corresponding device.



2-9. Using the Disk Drive

● Using the Hard Disk Drive

The hard disk drive is an auxiliary memory installed in the computer. The hard disk drive reads and writes data at a fast speed and saves large amount of data. As both the disk and the disk drive are installed in the hard disk, the "hard disk" and the "hard disk drive" are used as the same terms. After installing a new hard disk, set up the system and format the hard disk while referring to the "System Setup" part

Upon Data Damage in Hard Disk

A hard disk is sensitive to the external environments and shocks. The manufacturer is not responsible for data loss or damage of the hard disk caused by errors. Therefore, it is recommended to back up important data

Notes on Removal or Separation of the Computer

- Before removing or installing a computer, turn off the computer and correctly connect cables. In the case where cables are incorrectly linked, the hard disk may get damaged.
- When installing a hard disk, use designated nuts only. Otherwise, defects may occur on the hard disk. If you uses thicker nuts than standard ones, critical damage may be done to electronic parts.
- For stable use of the hard disk, fix the hard disk in the main body of the computer without any gap or vibration.

Notes on Operating Environment of the Computer

- The hard disk may get damaged by external shocks during transportation.
- Avoid direct sunlight and damp place because the hard disk is sensitive to high temperature and humidity.
- Cover the hard disk with a static electricity-resistant envelope.
- Put the hard disk away from appliances with strong magnets such as TV and stereo set.
- The hard disk can get damaged by an electric shock from lightning. It is recommended, therefore, not to use the computer during thunder and lightening, and disconnect the power cord when not using the computer.

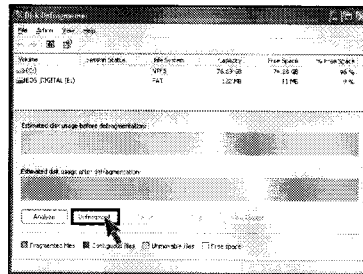
Notes on Operation of the Computer

- Shocks on the hard disk during transportation may cause file damage or bad sectors.
- When the computer is abruptly reset (rebooted) due to power failure, the hard disk may get damaged.
- The hard disk may get damaged when infected with computer viruses.
- BIO setup with wrong hard disk parameter values may damage the hard disk.
- If necessary files are deleted by your mistake, the computer may not properly function.
- Abrupt turning-off of the computer can damage the computer.

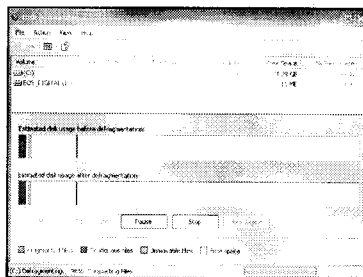
● Disk Defragmenter

The disk defragmenter will collect fragmented volumes so that the computer can operate efficiently and fast. Finish other application programs before running the Disk Defragmenter.

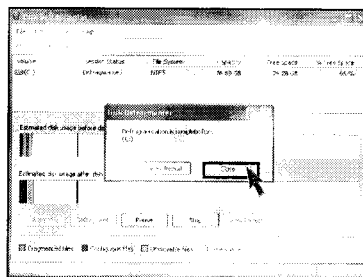
- 1 Click the **[Start]** button on the desktop, and select **Accessories → System Tools → Disk Defragmenter**.
- 2 When the following screen appears, select the drive, and click the **[Defragment]** button.



- 3 The progress bar will appear.



- 4 After the defragmentation is finished, click the **[Close]** button.



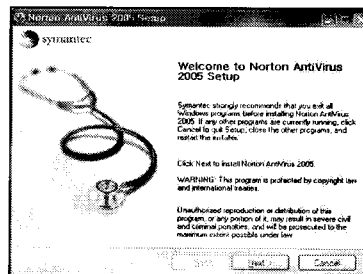
2-10. Computer virus

Computer viruses are programs that penetrate other programs and files. Computer viruses infect other files through replication, leaving the infected files and programs damaged and unusable. We provide "Norton AntiVirus," a vaccine program, to fight viruses. Services and automatic upgrades of Norton AntiVirus through LiveUpdate are available for one year after initial installation.

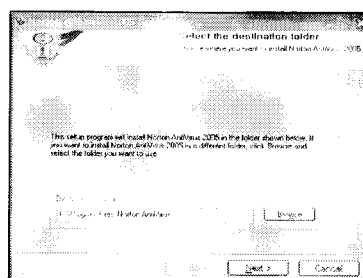
● Installing Norton Antivirus

1 Click the **Norton Antivirus** icon on the desktop.

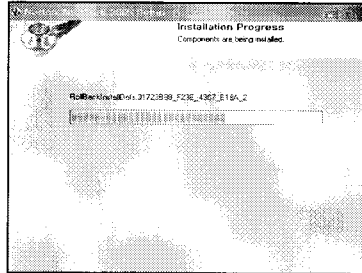
2 Following windows appears. Click **[Next]**.



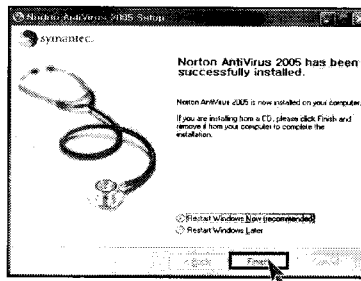
3 Click **[Next]** to install Norton Antivirus.



4 Following window appears.



5 Norton Antivirus installation is complete message appears. Click [Finish].

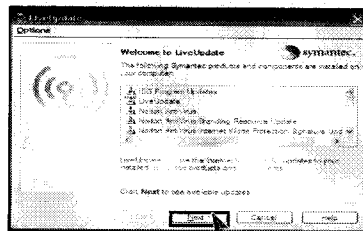


● Norton Antivirus update

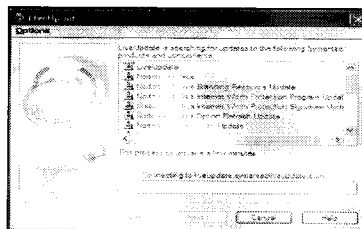
You should have an internet access to process Norton Antivirus update.

1 Click **[Start]** and **[All programs]→[Norton Antivirus]→[LiveUpdate]→[Norton AntiVirus]**.

2 Click **[Next]**.



3 Following window appears.



4 Click **[Next]**.

