

## Regulatory Information

### FCC Compliance Statement

This equipment has been tested and found to comply within the limits of a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment on and off), the user is encouraged to try to correct the interference by using one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's (or your) authority to operate the equipment. Only peripherals (digital input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this monitor. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Only shielded signal cables may be used with this System.

#### NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

### Canadian DOC Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

#### NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

### CE Conformity Notice (for Europe)

Products with the "CE" Marking comply with the EMC Directive(89/336/EEC) and LOW VOLTAGE Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms :

- EN 55022 ; Radio Frequency Interference
- EN 50082-1:1992 ; Electromagnetic Immunity
- EN 60555-2 ; Power Line Harmonics
- EN 60555-3 ; Voltage Fluctuations
- EN 60950 ; Product Safety

#### NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

### Low Radiation Compliance (MPR II)

This monitor meets one of the strictest guidelines available today for low radiation emissions, offering the user extra shielding and an antistatic screen coating. These guidelines, set forth by a government agency in Sweden, limit the amount of emission allowed in the Extremely Low Frequency (ELF) and Very Low Frequency (VLF) electromagnetic range.

### TCO95



#### Congratulations!

You have just purchased a TCO'95 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and to the further development of environmentally-adapted electronic products.

#### Why do we have environmentally labelled computers?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem as far as computers and other electronic equipment are concerned is that environmentally harmful substances are used both in the products and during their manufacture. Since it has not been possible so far for the majority of electronic equipment to be recycled in a satisfactory way, most of these potentially damaging substances sooner or later enter Nature.

There are also other characteristics of a computer, such as energy consumption levels, that are important from both the working and natural environment viewpoints. Since all types of conventional electricity generation have a negative effect on the environment (acidic- and climatic-influencing emissions, radioactive waste, etc.), it is vital to conserve energy. Electronic equipment in offices consumes an enormous amount of energy, since it is often routinely left running continuously.

#### What does the environmental labelling involve?

This product meets the requirements for the TCO'95

## Regulatory Information cont.

scheme, which provides for international environmental labelling of personal computers. The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Naturkyddsforeningen (The Swedish Society for Nature Conservation), and NUTEK (The National Board for Industrial and Technical Development in Sweden), and SEMKO AB (an international certification agency).

The requirements cover a wide range of issues: environment, ergonomics, usability, emission of electrical and magnetic fields, energy consumption and electrical and fire safety.

The environmental demands concern, among other things, restriction on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons), and chlorinated solvents. The product must be prepared for recycling, and the manufacturer is obliged to have an environmental plan, which must be adhered to in each country where the company implements its operational policy.

The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level, in one or more stages. The length of time to reactivate the computer shall be reasonable for the user.

Labelled products must meet strict environmental demands, for example, in respect of the reduction of electric and magnetic fields, along with physical and visual ergonomics and good usability.

The following is a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

TCO Development Unit  
Linnegatan 14, S-11494 Stockholm, Sweden  
FAX +46-8 782 92 07  
E-mail (Internet): development@tco.se

Current information regarding TCO'95 approved and labelled products may also be obtained on the Internet using the address: <http://www.tco-info.com/>

TCO'95 is a co-operative project between:



Naturskydds  
foreningen



NUTEK

SEMKO

Närings- och teknikutvecklingsverket

### Environmental requirements

Brominated flame retardants are present in printed circuit boards, cabling, casings, and housings, and are added to delay the spread of fire. Up to 30% of the plastic in a computer casing can consist of flame-retardant substances. These are related to another group of environmental toxins, PCBs, and are suspected of giving rise to similar harm, including reproductive damage in fish-eating birds and mammals. Flame retardants have been found in human blood, and researchers fear that they can disturb fetus development.

Bio-accumulative<sup>1</sup> TCO'95 demands require that plastic components weighing more than 25 grams must not contain flame retardants with organically bound chlorine or bromine.

Lead can be found in picture tubes, display screens, solder, and capacitors. Lead damages the nervous system and in higher doses causes lead poisoning. The relevant bio-accumulative TCO'95 requirement permits the inclusion of lead, as no replacement has yet been developed.

Cadmium is present in rechargeable batteries and in the color-generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses. The relevant bio-accumulative TCO'95 requirement states that batteries may not contain more than 25 ppm (parts per million) of cadmium. The color-generating layers of display screens must not contain any cadmium.

Mercury is sometimes found in batteries, relays and switches. Mercury damages the nervous system and is toxic in high doses. The relevant bio-accumulative TCO'95 requirement states that batteries may not contain more than 25 ppm of mercury and that no mercury is present in any of the electrical or electronic components concerned with the display unit.

CFCs (freons) are sometimes used for washing printed circuit boards and in the manufacture of expanded foam for packaging. CFCs break down ozone and thereby damage the ozone layer in the atmosphere, causing increased reception on Earth of ultra-violet light with consequent increased risks of skin cancer (malignant melanoma). The relevant TCO'95 requirement: Neither CFCs nor HCFCs may be used during the manufacture of the product or its packaging.

<sup>1</sup> Bio-accumulative means that the substance accumulates within living organisms.

### Shipping Package

The packaging material can be recycled, or you can save it to return the monitor to a service center for repair or disposal.

### CFC Compounds in Distribution Packaging

Cushioning material used for shipping finished monitors are not manufactured with nor do they contain any CFC compounds.

### Design for Disassembly/Recycling

These monitors have been designed for easy end-of-life disassembly and recycling. Fasteners are generally of the same type for efficient disassembly. Components made of different materials can be easily separated and plastics have been identified using international symbols to aid in recycling.

### Monitor Disposal

#### WARNING

If you need to dispose of a monitor, ask a qualified service representative for the proper procedure. Improper disposal could result in personal injury from implosion.

## Regulatory Information cont.

### TCO'99



Congratulations!

You have just purchased a TCO'99 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also to the further development of environmentally adapted electronics products.

#### Why do we have environmentally labelled computers?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem, as far as computers and other electronics equipment are concerned, is that environmentally harmful substances are used both in the products and during their manufacture. Since it is not so far possible to satisfactorily recycle the majority of electronics equipment, most of these potentially damaging substances sooner or later enter nature.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Since all methods of electricity generation have a negative effect on the environment (e.g. acidic and climate-influencing emissions, radioactive waste), it is vital to save energy. Electronics equipment in offices is often left running continuously and thereby consumes a lot of energy.

#### What does labelling involve?

This product meets the requirements for the TCO'99 scheme which provides for international and environmental labelling of personal computers. The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Svenska Naturskyddsforeningen (The Swedish Society for Nature Conservation) and Statens Energimyndighet (The Swedish National Energy Administration).

Approval requirements cover a wide range of issues: environment, ergonomics, usability, emission of electric and magnetic fields, energy consumption and electrical and fire safety.

The environmental demands impose restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons) and chlorinated solvents, among other things. The product must be prepared for recycling and the manufacturer is obliged to have an environmental policy which must be adhered to in each country where the company implements its operational policy.

The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the computer shall be reasonable for the user.

Labelled products must meet strict environmental demands, for example, in respect of the reduction of electric and magnetic fields, physical and visual ergonomics and good usability.

Below you will find a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

#### TCO Development

SE-114 94 Stockholm, Sweden

Fax: +46 8 782 92 07

Email (Internet): [development@tco.se](mailto:development@tco.se)

Current information regarding TCO'99 approved and labelled products may also be obtained via the Internet, using the address: <http://www.tco-info.com/>

#### Environmental requirements

##### Flame retardants

Flame retardants are present in printed circuit boards, cables, wires, casings and housings. Their purpose is to prevent, or at least to delay the spread of fire. Up to 30% of the plastic in a computer casing can consist of flame retardant substances. Most flame retardants contain bromine or chloride, and those flame retardants are chemically related to another group of environmental toxins, PCBs. Both the flame retardants containing bromine or chloride and the PCBs are suspected of giving rise to severe health effects, including reproductive damage in fish-eating birds and mammals, due to the bio-accumulative\* processes. Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur.

The relevant TCO'99 demand requires that plastic components weighing more than 25 grams must not contain flame retardants with organically bound bromine or chlorine. Flame retardants are allowed in the printed circuit boards since no substitutes are available.

##### Cadmium\*\*

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries, the colour-generating layers of display screens and the electrical or electronics components must not contain any cadmium.

## Regulatory Information cont.

### Mercury\*\*

Mercury is sometimes found in batteries, relays and switches. It damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries may not contain any mercury. It also demands that mercury is not present in any of the electrical or electronics components associated with the labelled unit.

### CFCs (freons)

The relevant TCO'99 requirement states that neither CFCs nor HCFCs may be used during the manufacture and assembly of the product. CFCs (freons) are sometimes used for washing printed circuit boards. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on earth of ultraviolet light with e.g. increased risks of skin cancer (malignant melanoma) as a consequence.

### Lead\*\*

Lead can be found in picture tubes, display screens, solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning. The relevant TCO'99 requirement permits the inclusion of lead since no replacement has yet been developed.

\* Bio-accumulative is defined as substances which accumulate within living organisms

\*\* Lead, Cadmium and Mercury are heavy metals which are Bio-accumulative.

## EPA (U.S.A only)

ENERGYSTAR is a set of power-saving guidelines issued by the U.S. Environmental Protection Agency(EPA).



EPA POLLUTION PREVENTER

As an ENERGY STAR Partner LGE U.S.A.,Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

## NOM MARK (Mexico only)





## **Congratulations!**

The display you have just purchased carries the TCO'03 Displays label. This means that your display is designed, manufactured and tested according to some of the strictest quality and environmental requirements in the world. This makes for a high performance product, designed with the user in focus that also minimizes the impact on our natural environment.

Some of the features of the TCO'03 Display requirements:

### **Ergonomics**

- Good visual ergonomics and image quality in order to improve the working environment for the user and to reduce sight and strain problems. Important parameters are luminance, contrast, resolution, reflectance, colour rendition and image stability.

### **Energy**

- Energy-saving mode after a certain time – beneficial both for the user and the environment
- Electrical safety

### **Emissions**

- Electromagnetic fields
- Noise emissions

### **Ecology**

- The product must be prepared for recycling and the manufacturer must have a certified environmental management system such as EMAS or ISO 14 001
- Restrictions on
  - chlorinated and brominated flame retardants and polymers
  - heavy metals such as cadmium, mercury and lead.

The requirements included in this label have been developed by TCO Development in co-operation with scientists, experts, users as well as manufacturers all over the world. Since the end of the 1980s TCO has been involved in influencing the development of IT equipment in a more user-friendly direction. Our labelling system started with displays in 1992 and is now requested by users and IT-manufacturers all over the world.

For more information, please visit  
**[www.tcodevelopment.com](http://www.tcodevelopment.com)**

## English

### Information for Environmental Preservation

LG Electronics Inc. announced the 'LG Declaration for a Cleaner Environment' in 1994, and this ideal has served as a guiding managerial principle ever since. The Declaration is a foundation that has allowed us to undertake environmentally friendly activities in careful consideration of economic, environmental, and social aspects.

We promote activities for environmental preservation, and we specifically develop our products to embrace the concept of environment-friendly.

We minimize the hazardous materials contained in our products. For example, there is no cadmium to be found in our monitors.

### Information for recycling

This monitor may contain parts which could be hazardous to the environment. It is important that this monitor be recycled after use.

LG Electronics Inc. handles all waste monitors through an environmentally acceptable recycling method. There are several take-back and recycling systems currently in operation worldwide. Many parts will be reused and recycled, while harmful substances and heavy metals are treated by an environmentally friendly method.

If you want to find out more information about our recycling program, please contact your local LG vendor or a corporate representative of LG.

We set our vision and policies on a cleaner world by selecting the issue of the global environment as a task for corporate improvement. Please visit our website for more information about our 'green' policies.

<http://www.lge.com/about/digitallg/environment/environment.shtml>

## Deutsch

### Informationen zur Erhaltung der Umwelt

Im Jahr 1994 verkündete LG Electronics die „LG Declaration for a Cleaner Environment“ („LG Erklärung für eine sauberere Umwelt“). Seitdem dient dieses Ideal als führendes Prinzip des Unternehmens. Diese Erklärung war die Basis für die Durchführung von umweltfreundlichen Aktivitäten, wobei wirtschaftliche, umweltbezogene und soziale Aspekte in die Überlegungen mit einbezogen wurden.

Wir fördern Aktivitäten zum Schutz der Umwelt und die Entwicklung unserer Produkte ist darauf ausgerichtet, unserem Konzept bezüglich Umweltfreundlichkeit gerecht zu werden.

Wir sind darauf bedacht, den Anteil der in unseren Produkten enthaltenen schädlichen Materialien zu minimieren. So ist in unseren Monitoren beispielsweise kein Cadmium zu finden.

### Informationen zum Thema Recycling

Dieser Monitor enthält Teile, die umweltschädlich sein

können. Es ist unbedingt erforderlich, dass der Monitor recycelt wird, nachdem er außer Dienst gestellt wurde.

Bei LG Electronics Inc. werden alle ausrangierten Monitore in einem unter umweltbezogenen Aspekten geeigneten Verfahren recycelt. Augenblicklich sind weltweit mehrere Rücknahme- und Recyclingsysteme im Einsatz. Viele Teile werden wieder verwendet und recycelt. Schädliche Substanzen und Schwermetalle werden durch umweltverträgliche Verfahren behandelt. Falls Sie mehr über unser Recyclingprogramm erfahren möchten, wenden Sie sich bitte an Ihren lokalen LG-Händler oder einen Unternehmensvertreter von LG.

Wir richten unsere Firmenpolitik auf eine sauberere Umwelt hin aus, indem wir umweltspezifische Aspekte als wichtigen Punkt in die Weiterentwicklung unseres Unternehmens einfließen lassen. Zusätzliche Informationen über unsere „grüne“ Firmenpolitik erhalten Sie auf unserer Website.

<http://www.lge.com/about/digitallg/environment/environment.shtml>

## Français

### Information sur la protection de l'environnement

LG Electronics Inc. a publié sa « Déclaration en faveur d'un environnement plus propre » en 1994 et celle-ci est restée, depuis lors, un principe directeur de notre entreprise. Cette déclaration a servi de base à notre réflexion et nous a permis de prendre en compte à la fois les aspects économiques et sociaux de nos activités, tout en respectant l'environnement.

Nous encourageons les activités en faveur de la préservation de l'environnement et c'est dans cet esprit que nous développons nos produits : nous réduisons au minimum les matières dangereuses qui entrent dans leur composition et l'on ne trouve pas de cadmium, par exemple, dans nos moniteurs.

### Information sur le recyclage

Ce moniteur peut contenir des composants qui présentent un risque pour l'environnement. Il est donc important que celui-ci soit recyclé après usage.

LG Electronics Inc. traite les moniteurs en fin de cycle conformément à une méthode de recyclage respectueuse de l'environnement. Nous reprenons nos produits et les recyclons dans plusieurs sites répartis dans le monde entier. De nombreux composants sont réutilisés et recyclés, et les matières dangereuses, ainsi que les métaux lourds, sont traités selon un procédé écologique.

Si vous souhaitez plus de renseignements sur notre programme de recyclage, veuillez contacter votre revendeur LG ou un l'un de nos représentants.

Nous voulons agir pour un monde plus propre et croyons au rôle de notre entreprise dans l'amélioration de l'environnement. Pour plus de renseignements sur notre politique « verte », rendez visite à notre site :

<http://www.lge.com/about/digitallg/environment/environment.shtml>

## Italiano

### Informazioni per la tutela dell'ambiente

La LG Electronics Inc. ha annunciato nel 1994 la cosiddetta "LG Declaration for a Cleaner Environment" (Dichiarazione di LG a favore di un ambiente più pulito), un ideale che da allora funge da principio ispiratore della gestione aziendale. La dichiarazione rappresenta il fondamento che consente di intraprendere attività a favore dell'ambiente tenendo conto degli aspetti economici, ambientali e sociali.

Noi della LG, promuoviamo attività a favore della tutela dell'ambiente sviluppando appositamente i nostri prodotti per cogliere il concetto del rispetto dell'ambiente riducendo i materiali dannosi presenti nei nostri prodotti. Ad esempio nei nostri monitor non è presente il cadmio.

### Informazioni per il riciclaggio

Il monitor può presentare componenti che potrebbero risultare eventualmente dannosi per l'ambiente. È importante che il monitor sia riciclato al termine del suo utilizzo.

La LG Electronics Inc. gestisce tutti i monitor di rifiuto con un metodo di riciclaggio soddisfacente dal punto di vista ambientale. In tutto il mondo sono attualmente in funzione numerosi sistemi di riciclaggio e recupero. I diversi componenti sono riutilizzati e riciclati, mentre le sostanze dannose e i metalli pesanti vengono trattati con un metodo rispettoso dell'ambiente.

Se si desiderano maggiori informazioni in merito al programma di riciclaggio, è consigliabile rivolgersi al proprio rivenditore LG o ad un rappresentante aziendale della LG.

Noi della LG impostiamo la nostra visione e le nostre politiche a favore di un mondo più pulito ponendo la questione dell'ambiente dal punto di vista globale come una mansione rivolta al miglioramento della nostra azienda. Vi invitiamo a visitare il nostro sito internet per ulteriori informazioni sulla nostra politica "verde".

<http://www.lge.com/about/digitalg/environment/environment.shtml>

## Español

### Información para la conservación medioambiental

LG Electronics Inc. presentó la "Declaración para un entorno más limpio de LG" en 1994 y este ideal ha servido para guiar nuestros principios empresariales desde entonces. La Declaración es la base que nos ha permitido llevar a cabo tareas que respetan el medio ambiente siempre teniendo en cuenta aspectos sociales, económicos y medioambientales.

Promocionamos actividades orientadas a la conservación del medio ambiente y desarrollamos nuestros productos específicamente para que se ajusten a la filosofía que protege el entorno.

Reducimos al máximo el uso de materiales de riesgo en nuestros productos. Un ejemplo de ello es la ausencia total de cadmio en nuestros monitores.

### Información para el reciclaje

Este monitor puede contener piezas que entrañen

riesgos medioambientales. Es importante reciclar este monitor después de su utilización.

LG Electronics Inc. trata todos los monitores usados siguiendo un método de reciclaje que no daña al entorno. Contamos con diversos sistemas de recuperación y reciclaje que funcionan a nivel mundial en la actualidad. Es posible reciclar y reutilizar muchas de las piezas, mientras que las sustancias dañinas y los metales pesados se tratan siguiendo un método que no perjudique al medio ambiente.

Si desea obtener más información acerca del programa de reciclaje, póngase en contacto con su proveedor local de LG o con un representante empresarial de nuestra marca.

Basamos nuestra visión y nuestras políticas en un mundo más limpio y para ellos optamos por un entorno global como tarea principal de nuestra evolución como empresa. Visite nuestra página Web para obtener más información sobre nuestras políticas ecológicas.

<http://www.lge.com/about/digitalg/environment/environment.shtml>

## Português

### Informações relacionadas à preservação ambiental

A LG Electronics Inc. anunciou a "LG Declaration for a Cleaner Environment" (Declaração da LG para um ambiente mais limpo) em 1994 e esse ideal tem servido desde então como um princípio administrativo de orientação. A Declaração é a base que nos tem permitido realizar atividades favoráveis ao ambiente com consideração atenta aos aspectos econômicos, ambientais e sociais.

Promovemos atividades de preservação ambiental e desenvolvemos nossos produtos para englobar especificamente o conceito de favorável ao ambiente.

Reduzimos os materiais perigosos contidos em nossos produtos. Por exemplo, não há cádmio em nossos monitores.

### Informações relacionadas à reciclagem

Este monitor pode conter peças que podem representar riscos ao ambiente. É importante que ele seja reciclado após o uso.

A LG Electronics Inc. cuida de todos os monitores descartados através de um método de reciclagem agradável ao ambiente. Há vários sistemas de devolução e reciclagem atualmente em operação no mundo. Muitas peças serão reutilizadas e recicladas e as substâncias nocivas e os metais pesados passarão por tratamento através de um método favorável ao ambiente.

Para obter mais informações sobre nosso programa de reciclagem, entre em contato com seu fornecedor LG local ou com um representante corporativo da LG.

Definimos nossa visão e nossas políticas relacionadas a um mundo mais limpo selecionando a questão do ambiente global como uma tarefa de aprimoramento corporativo. Visite nosso site para obter mais informações sobre nossas políticas de meio ambiente.

<http://www.lge.com/about/digitalg/environment/environment.shtml>

## Nederlands

### Informatie met betrekking tot het behoud van het milieu

LG Electronics Inc. publiceerde in 1994 de 'LG Declaration for a Cleaner Environment' (de LG-verklaring met betrekking tot een schoner milieu). Deze verklaring en het ideaal van een schoner milieu fungeren sindsdien als een bestuurlijke leidraad voor onze onderneming. Op basis van deze verklaring ontplooiën wij milieuvriendelijke activiteiten, waarbij er zowel met sociale en economische aspecten, als met milieuaspecten zorgvuldig rekening wordt gehouden.

Wij ondersteunen activiteiten die zijn gericht op het behoud van het milieu en wij houden bij het ontwikkelen onze producten specifiek rekening met de milieuvriendelijkheid van onze producten. Wij minimaliseren het gebruik van schadelijke stoffen in onze producten. Er wordt bijvoorbeeld geen cadmium verwerkt in onze monitors.

### Informatie met betrekking tot recycling

Deze monitor bevat materialen die schadelijk zouden kunnen zijn voor het milieu. Het is belangrijk dat deze monitor aan het einde van zijn levensduur wordt gerecycled.

LG Electronics Inc. verwerkt alle afvalmonitors via een milieuvriendelijke recyclingmethode. Hiervoor worden er momenteel wereldwijd verscheidene inname- en recyclingsystemen gehanteerd. Een groot aantal onderdelen wordt opnieuw gebruikt en gerecycled, waarbij schadelijke stoffen en zware metalen volgens een milieuvriendelijke methode worden verwerkt. Voor meer informatie over ons recyclingprogramma kunt u contact opnemen met uw plaatselijke LG-vertegenwoordiger of een LG-vestiging.

Onze visie en ons beleid met betrekking tot een schonere wereld vloeien voort uit het feit dat wij het milieu hebben aangemerkt als een onderwerp dat speciale aandacht verdient binnen onze onderneming. Bezoek onze website voor meer informatie over ons 'groene' beleid.  
<http://www.lge.com/about/digitalg/environment/environment.shtml>

## Russian

### Информация по охране окружающей среды

В 1994 году корпорация LG Electronics опубликовала "Декларацию LG по охране окружающей среды", которая с тех пор служит основным принципом управления. На основе этой декларации мы смогли предпринять действия, обеспечивающие безопасность окружающей среды, уделяя при этом должное внимание экономическим, экологическим и социальным аспектам.

Мы стимулируем деятельность по охране окружающей среды, уделяя особое внимание разработке нашей продукции в соответствии с концепцией экологической безопасности. Мы сводим к минимуму содержание опасных веществ в нашей продукции. Например, в наших мониторах вы не найдете кадмия.

### Информация по утилизации отходов

Этот монитор может содержать компоненты, которые могут нанести ущерб окружающей среде. Необходимо утилизировать монитор после использования.

Корпорация LG Electronics перерабатывает все бракованные мониторы с помощью экологически приемлемого метода утилизации отходов. По всему миру действуют системы утилизации отходов и возврата использованной продукции. Многие компоненты будут вторично использованы и утилизированы, в то время как вредные вещества и тяжелые металлы будут обработаны с помощью экологически приемлемого метода.

За более подробной информацией по нашей программе утилизации отходов обращайтесь к местному поставщику или представителю корпорации LG.

Мы ориентируемся на обеспечение экологической безопасности, ставя себе целью глобальную защиту окружающей среды. Дополнительную информацию о нашей политике по охране окружающей среды вы можете найти на нашем сайте:  
<http://www.lge.com/about/digitalg/environment/environment.shtml>

## 한국어

### 환경 보존 정보

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<http://www.lge.co.kr/about/digitalg/environment/environment.shtml>



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Installation and Connection

Input Selection and Tracking

Miscellaneous



# Safety Precautions

Please read these safety precautions carefully before using the monitor.

**Warning** If you ignore the warning message, you may be seriously injured or there is a possibility of accident or death.

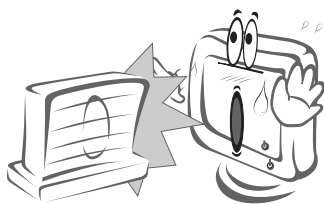
**Caution** If you ignore the caution message, you may be slightly injured or the product may be damaged

## Precautions in installing the Monitor

### Warning

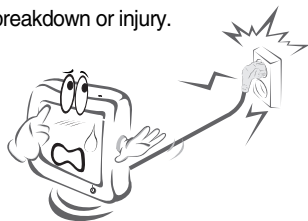
**Keep away from heat sources like electrical heaters.**

- Electrical shock, fire, malfunction or deformation may occur.



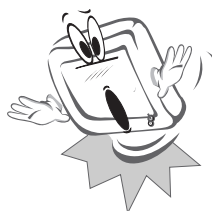
**Do not leave the power or signal cable unattended on the pathway.**

- The passerby can falter, which can cause electrical shock, fire, product breakdown or injury.



**If you dropped the monitor or the case is broken, turn off the monitor and unplug the power cord.**

- If you continue to use without taking proper measures, electrical shock or fire can occur. Contact



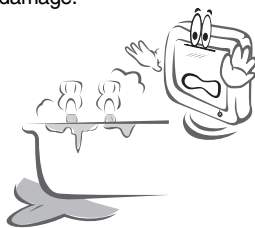
**Keep the packing anti-moisture material or vinyl packing out of the reach of children.**

- Anti-moisture material is harmful if swallowed. If swallowed by mistake, force the patient to vomit and visit the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.



**Install the monitor in a neat and dry place.**

- Dust or moisture can cause electrical shock, fire or product damage.



**Do not drop metallic objects such as coins, hair pins, chopsticks or wire into the monitor, or inflammable objects such as paper and matches. Children must pay particular attention.**

- Electrical shock, fire or injury can occur. If a foreign object is dropped into the monitor, unplug the power cord and contact the service center.



**Do not put heavy objects on the monitor or sit upon it.**

- If the monitor collapses or is dropped, you may be injured. Children must pay particular attention.



**If you can smell smoke or other odors or hear a strange sound unplug the power cord and contact the service center.**

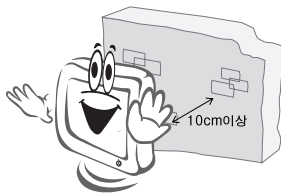
- If you continue to use without taking proper measures, electrical shock or fire can occur.



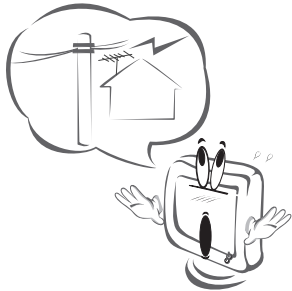
**⚠ Caution**

**Make sure the monitor ventilation hole is not blocked. Install the monitor in a suitably wide place (more than 10cm from the wall)**

- If you install the monitor too close to the wall, it may be deformed or fire can break out due to internal heat.



**Install the monitor where no EMI occurs.**



**Do not block the ventilation hole of the monitor by a tablecloth or curtain.**

- The monitor can be deformed or fire can break out due to overheating inside the monitor.



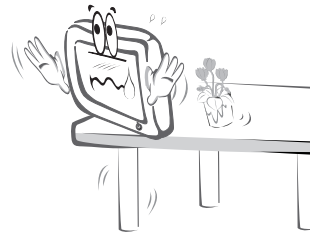
**Keep the monitor away from direct sunlight.**

- The monitor can be damaged.



**Install the monitor on a flat and stable place that has no risk of dropping the monitor.**

- If the monitor is dropped, you may be injured or the monitor may be broken.



**● Electrical Power Related Precautions**

**⚠ Warning**

**Make sure to connect the power cable to the grounded current.**

- You may be electrocuted or injured.



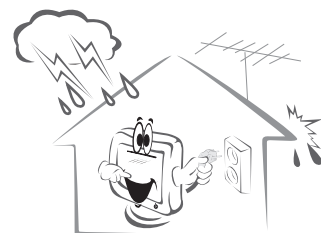
**Use the rated voltage only.**

- The monitor can be damaged, or you may be electrocuted.



**During a thunder or lightning storm, unplug the power cable or signal cable.**

- You may be electrocuted or a fire can break out.

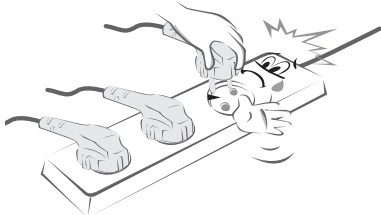




# Safety Precautions

**Do not connect several extension cords, electrical appliances or electrical heaters to a single outlet. Use a power bar with a grounding terminal designed for exclusive use with the computer.**

- A fire can break out due to overheating.



**Fix the power cable completely.**

- If the power cable is not fixed completely, a fire can break out.



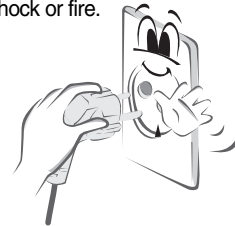
**Do not touch the power plug with wet hands. Additionally, if the cord pin is wet or covered with dust, dry the power plug completely or wipe dust off.**

- You may be electrocuted due to excess moisture.



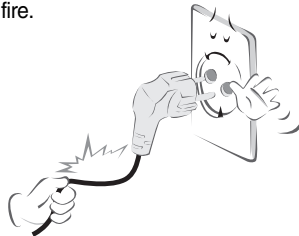
**If you don't intend to use the monitor for a long time, unplug the power cable from the monitor.**

- Covering dust can cause a fire, or insulation deterioration can cause electric leakage, electric shock or fire.



**Hold the plug when pulling out the power cable. Do not bend the power cord with excessive force or put heavy objects on the power cord.**

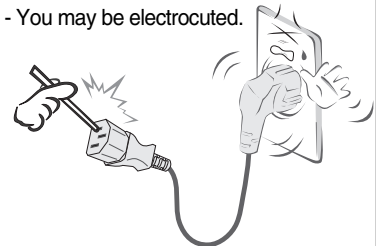
- The power line can be damaged, which may cause electric shock or fire.



**Do not insert a conductor (like a metal chopstick) into one end of the power cable while the other end is connected to the input terminal on the wall.**

**Additionally, do not touch the power cable right after plugging into the wall input terminal.**

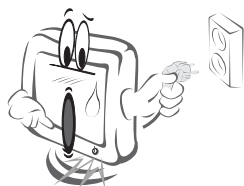
- You may be electrocuted.



## Caution

**Do not unplug the power cord while the monitor is in use.**

- Electrical shock can damage the monitor.



## Precautions when Using 110V Power Supply

**When using the 110V adaptor at the area where 220V power supply is not available, make sure to purchase the standardized item having the "KS" mark or "Electricity" mark, and more than 15A and 250V capacity, at the specialized electrical parts store**

- If you use a non-standardized item, fire or electric shock can occur.

## ● Precautions in Moving the Monitor

### ⚠ Warning

**Make sure to turn off the monitor.**

- You may be electrocuted or the monitor can be damaged.



**Make sure to remove all cables before moving the monitor.**

- You may be electrocuted or the monitor can be damaged.



### ⚠ Caution

**Do not shock the monitor when moving it.**

- You may be electrocuted or the monitor can be damaged



**Do not dispose the product-packing box. Use it when you move.**



**Make the panel face forward and hold it with both hands to move.**

- If you drop the monitor, the damaged monitor can cause electric shock or fire. Contact with the service center for repair.





# Safety Precautions

## ● Precautions in Using the Monitor

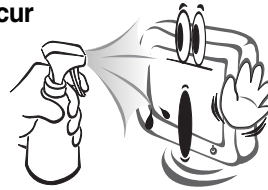
### ⚠ Warning

**Do not disassemble, repair or modify the monitor at your own discretion.**

- Fire or electric shock accident can occur.
- Contact the service center for check, calibration or repair.



**Do not spray water on the monitor or scrub with an inflammable substance (thinner or benzene). Fire or electric shock accident can occur**



**Keep the monitor away from water.**

- Fire or electric shock accident can occur.



### ⚠ Caution

**Do not put or store inflammable substances near the monitor.**

- There is a danger of explosion or fire due careless handling of the inflammable substances.



**When cleaning the brown tube surface, unplug the power cord and scrub with soft cloth to prevent scratching. Do not clean with a wet cloth.**

- The water can sink into the monitor, which can cause electric shock or serious malfunction.



**Take a rest from time to time to protect your vision.**



**Keep the monitor clean at all times.**



**Take a comfortable and natural position when working with a monitor to relax the muscles.**



**Take a regular break when working with a monitor for a long time.**

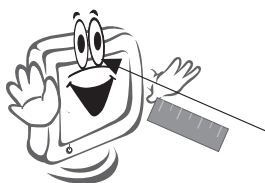


**Do not press strongly upon the panel with a hand or sharp object such as nail, pencil or pen, or make a scratch on it.**



**Keep the proper distance from the monitor.**

- Your vision may be impaired if you look at the monitor too closely.



**Set the appropriate resolution and clock by referring to the User's Manual.**

- Your vision can be impaired.



**Use authorized detergent only when cleaning the monitor. (Do not use benzene, thinner or alcohol.)**

- Monitor can be deformed.



# Important Monitor Features



## ● **Swapping Function**

You can swap the main screen and the sub-screen when the PIP/POP/PBP function is used.

## ● **Spectacle Function**

The screen center area is close to a 4:3 ratio and the outskirts area is expanded by more than 16:9. Therefore, the different screen ratio is applied for each area. Because most ordinary people concentrate their focus on the screen center, a non-linear ratio increase at the outskirts area is not recognized, which makes it possible to watch 4:3 TV screen with a wide screen. However, the spectacle function is useful in watching TV or motion pictures but is not suitable for the PC environment in which you perform graphic or document work.

## ● **Sleep Function**

When watching AV/DVD/HDTV/TV – The monitor will be automatically turned off after a certain period of time.

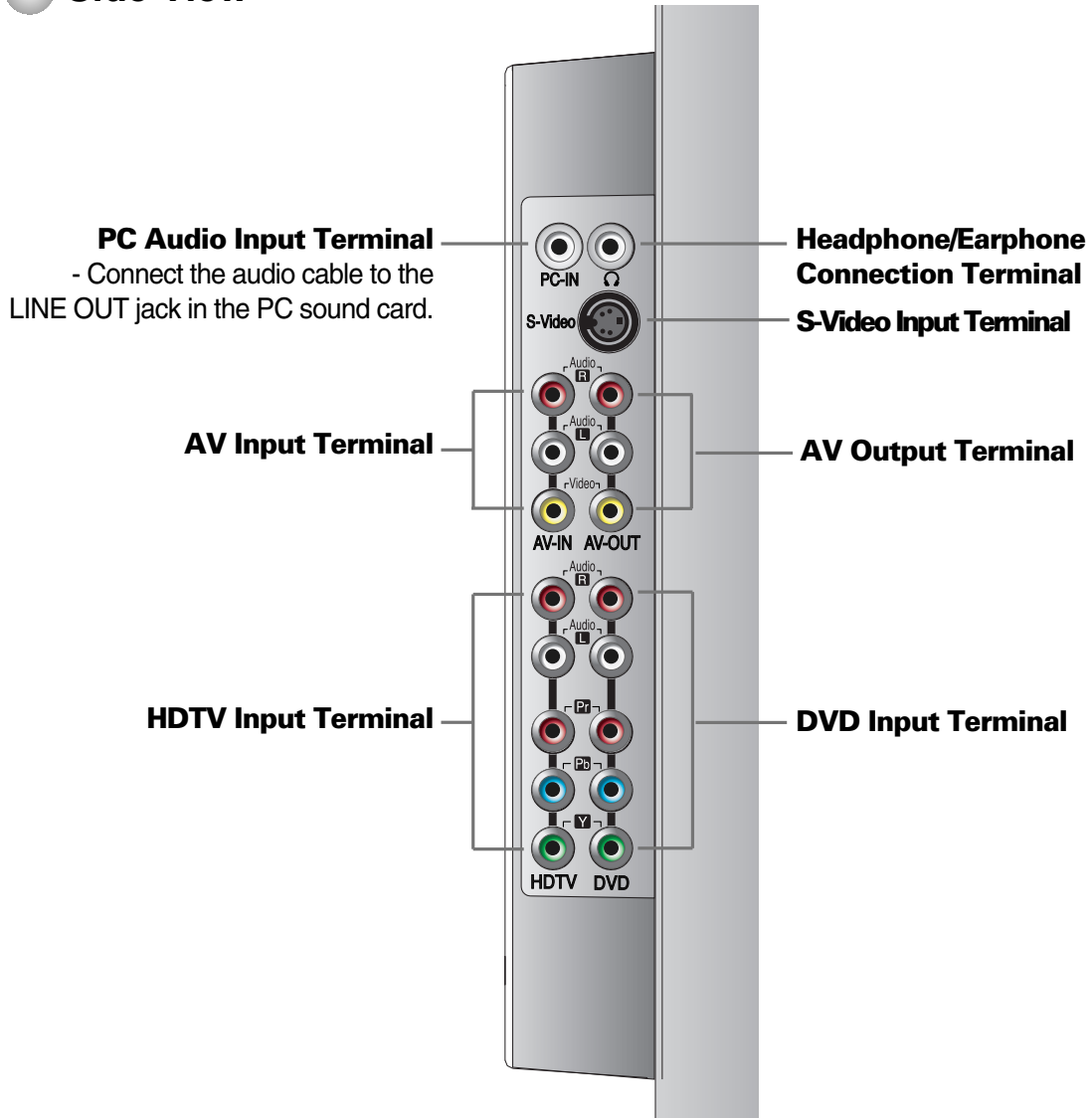
Press this button repetitively to select an appropriate time duration.





# Connecting to External Devices

## ● Side View



## ● Connecting the sound card output terminal



- Make sure to check the sound card connection terminal in the PC before connecting to the monitor.

If the PC sound card supports both Speaker Out and Line Out, change it to Line Out by setting the jumper or the PC application. (For more details, refer to the sound card user's manual.)

- **Speaker Out** : The terminal connected to the speaker that is not equipped with an amplifier.

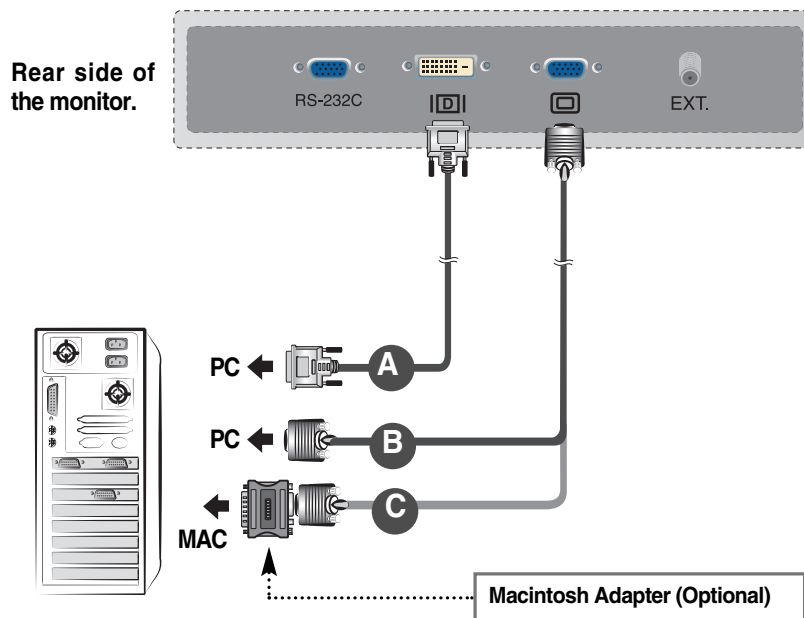
- **\*Line Out** : The terminal connected to the speaker equipped with an amplifier.

If Audio Out in the PC sound card has only Speaker Out, reduce the PC volume. This monitor is integrated with an amplifier.

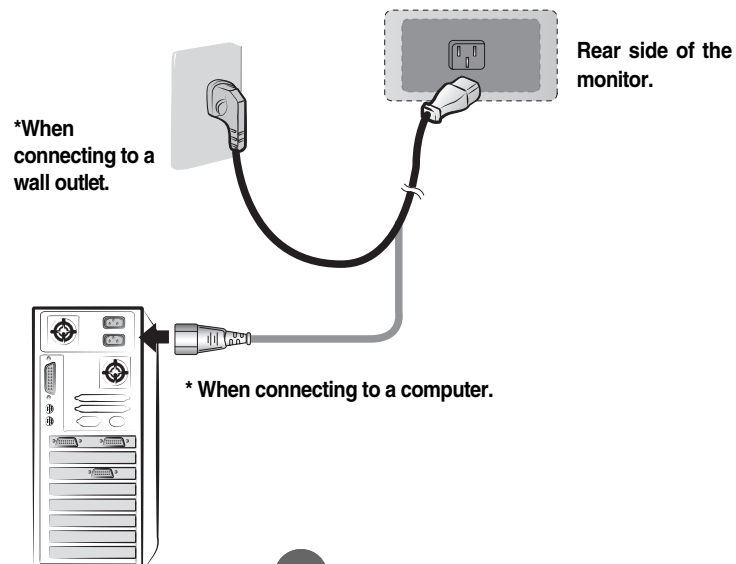
## When Connecting to your PC

**1** First of all, see if the computer, monitor and the peripherals are turned off. Then, connect the signal input cable.

- A** When connecting with the DVI signal input cable.
- B** When connecting with the DSub signal input cable. (IBM compatible PC)
- C** When connecting with the DSub signal input cable. (Macintosh)



**2** Connect the power cord.



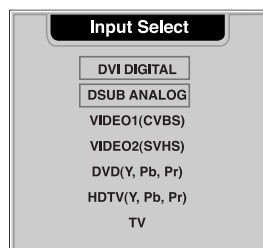


## Connecting to External Devices

- 3** Select an input signal.  
Press the Input Select button on the remote controller to select the input signal.  
Or, press the SOURCE button at the front side of the monitor.

SOURCE → ▼▲ → SET

- A** When connecting with a DVI-D signal input cable.  
• Select DVI DIGITAL: DVI-D digital signal.
- B** When connecting with a D-Sub signal input cable.  
• Select DSUB ANALOG: 15-pin D-Sub analog signal



**• How to connect to two computers.**

Connect the signal cables (DVI and D-Sub) to each computer.

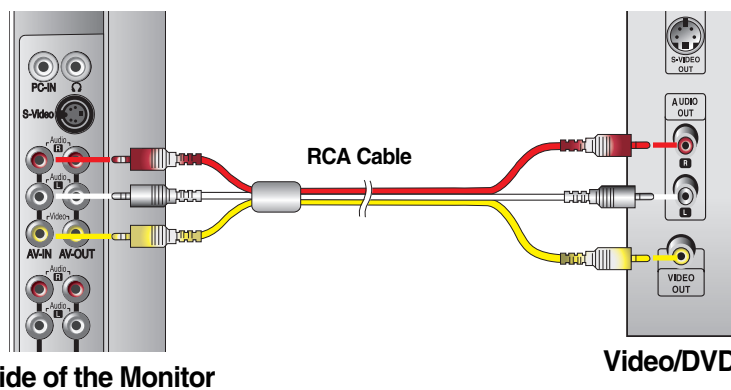
Press the Input Select button in a remote controller to select the computer to use.

\* Directly connect to a grounded power outlet on the wall or a power bar with a ground wire.

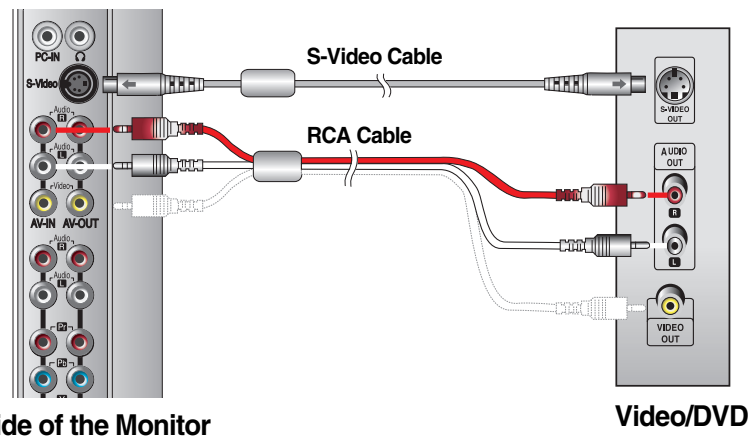
## When watching video/DVD

**1** Connect the video cable as shown in the below figure and then connect the power cord (see Page 13).

- A** When connecting with an RCA cable.
- Connect the input terminal with a proper color match. (Video – Yellow, Sound (left) – White, Sound (right) – Red)



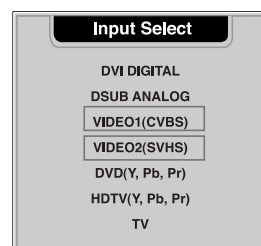
- B** When connecting with an S-Video cable.
- Connect to the S-Video input terminal to watch high image quality movies.



**2** Select an input signal.  
 Press the Input Select button on the remote controller to select the input signal. Or, press the SOURCE button at the front side of the monitor.



- A** When connecting with a RCA cable.
- Select VIDEO 1 (CVBS).
- B** When connecting with a S-Video cable.
- Select VIDEO 2 (SVHS).

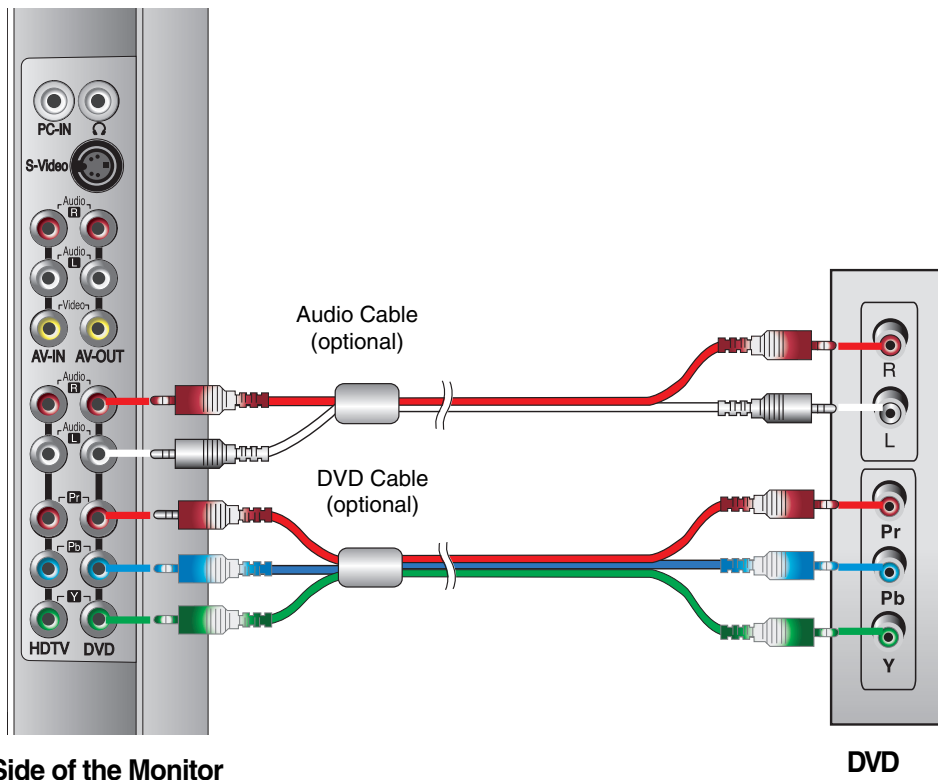




# Connecting to External Devices

## When watching DVD (480i/576i)

- 1 Connect the video/audio cable as shown in the below figure and then, connect the power cord (see Page 13).
  - Connect the input terminal with a proper color match.

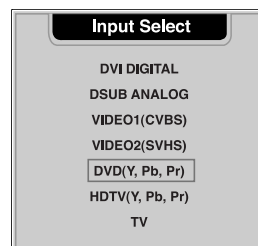


- 2 Select an input signal.  
Press the Input Select button on the remote controller to select the input signal.  
Or, press the SOURCE button at the front side of the monitor.

SOURCE → ▼▲ → SET

When connecting with a DVD/audio cable.

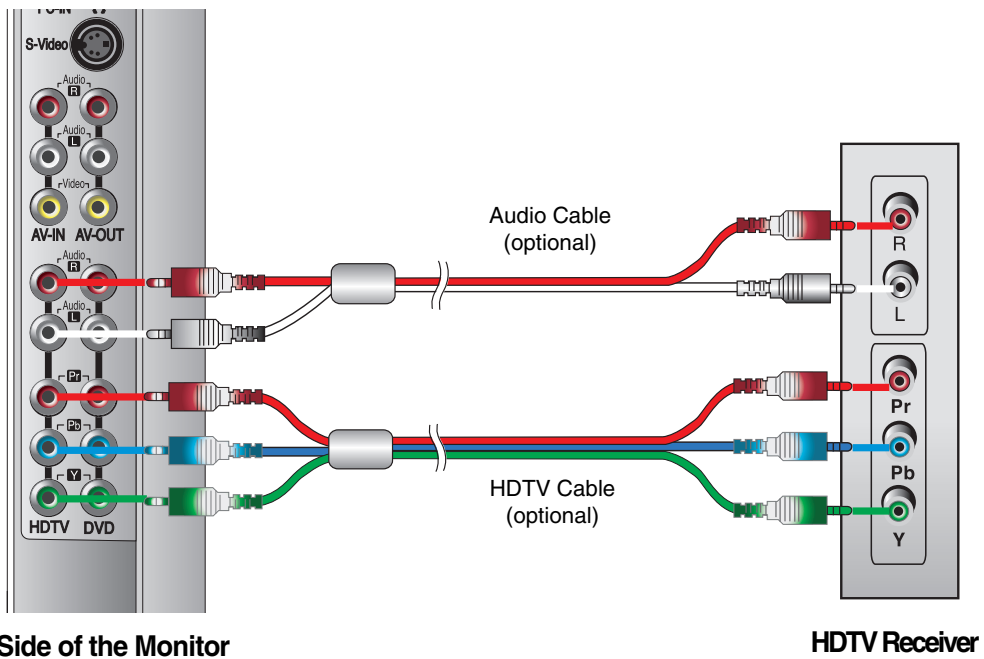
- Select DVD (Y, Pb, Pr)



## When watching HDTV (720p/1080i)

- 1** Connect the video/audio cable as shown in the below figure and then, connect the power cord (see Page 13).

  - Connect the input terminal with a proper color match.

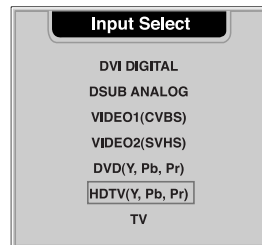


- 2** Select an input signal.  
**Press the Input Select button on the remote controller to select the input signal.**  
**Or, press the SOURCE button at the front side of the monitor.**

**SOURCE** → ▼▲ → **SET**

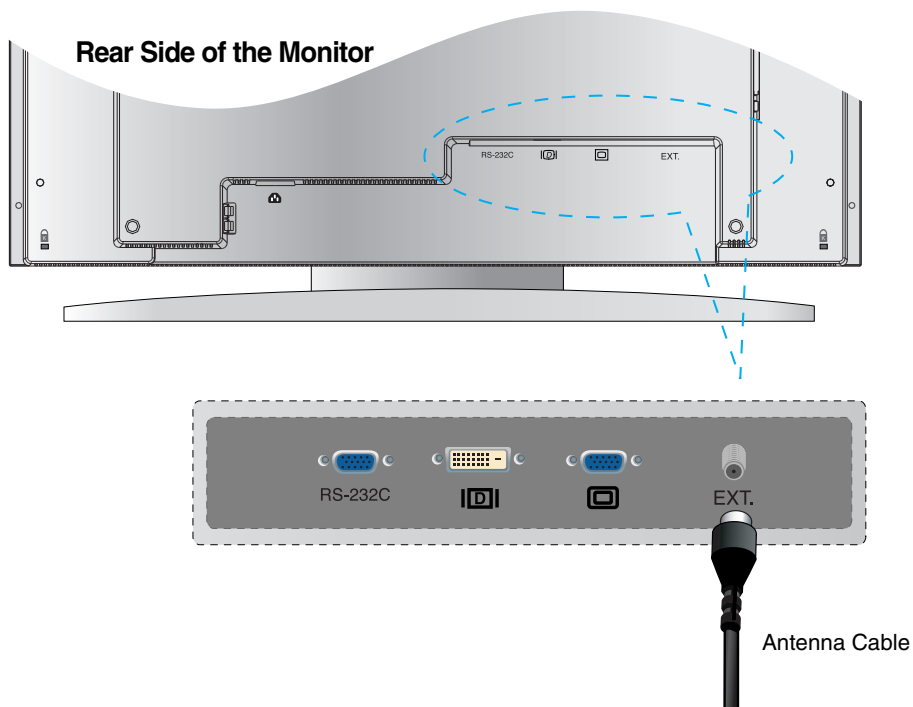
When connecting with an HDTV/audio cable.

- Select HDTV (Y, Pb, Pr)

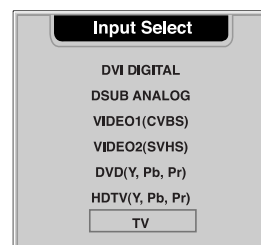
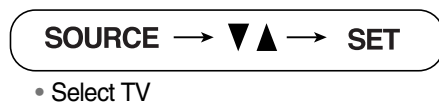


## When watching TV

- 1 See if the antenna cable is connected at the rear side of the monitor and then, connect the power cord (see Page 13).



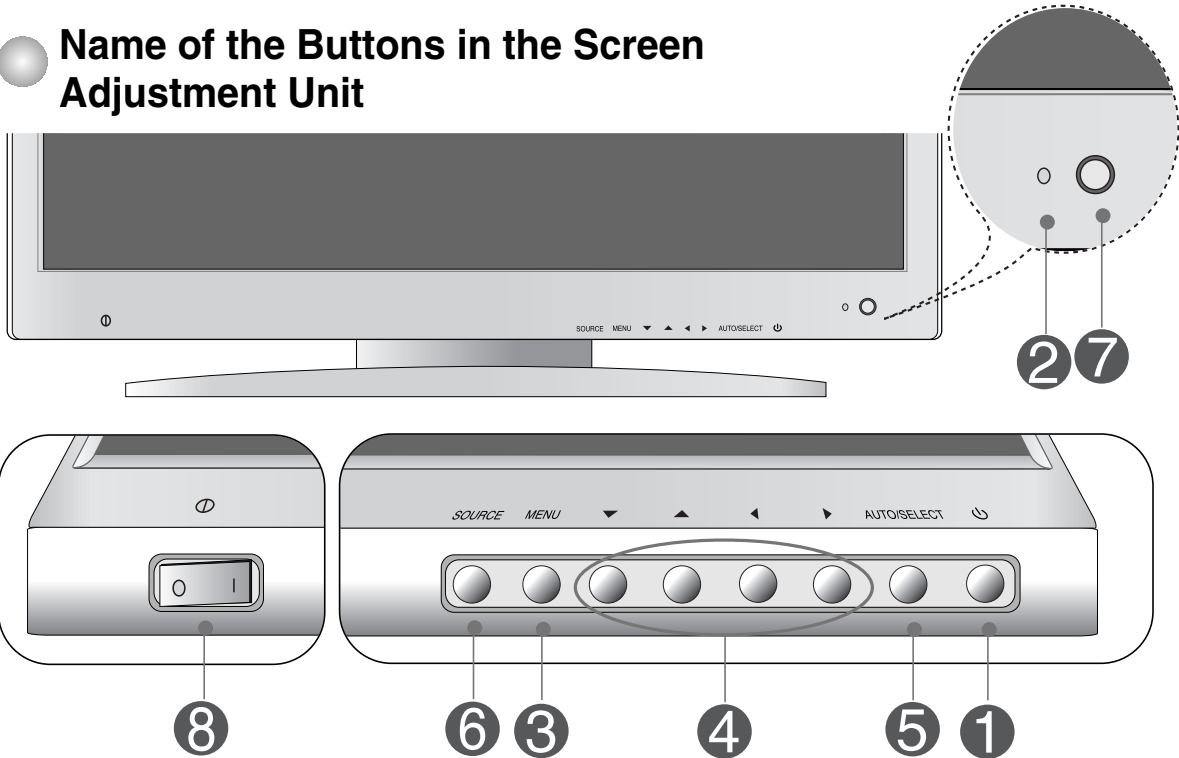
- 2 **Select an input signal.**  
Press the **Input Select** button on the remote controller to select the input signal.  
Or, press the **SOURCE** button at the front side of the monitor.





# Selecting and Adjusting the Screen

## Name of the Buttons in the Screen Adjustment Unit



**1 Power Button** • Press the button to turn on the power. Press the button again to turn it off.

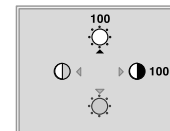
**2 Power LED** • The power LED will be on when the power is on.

**3 Menu Button** • Use this button to show/hide the OSD (On Screen Display) menu screen.

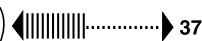
**4 OSD Select/Adjust Button** • Use the button to select an icon or adjust the setting in the OSD screen.



**▼ ▲** • Adjusts brightness and contrast. Press the Menu button to hide the screen.



• Adjust the volume.



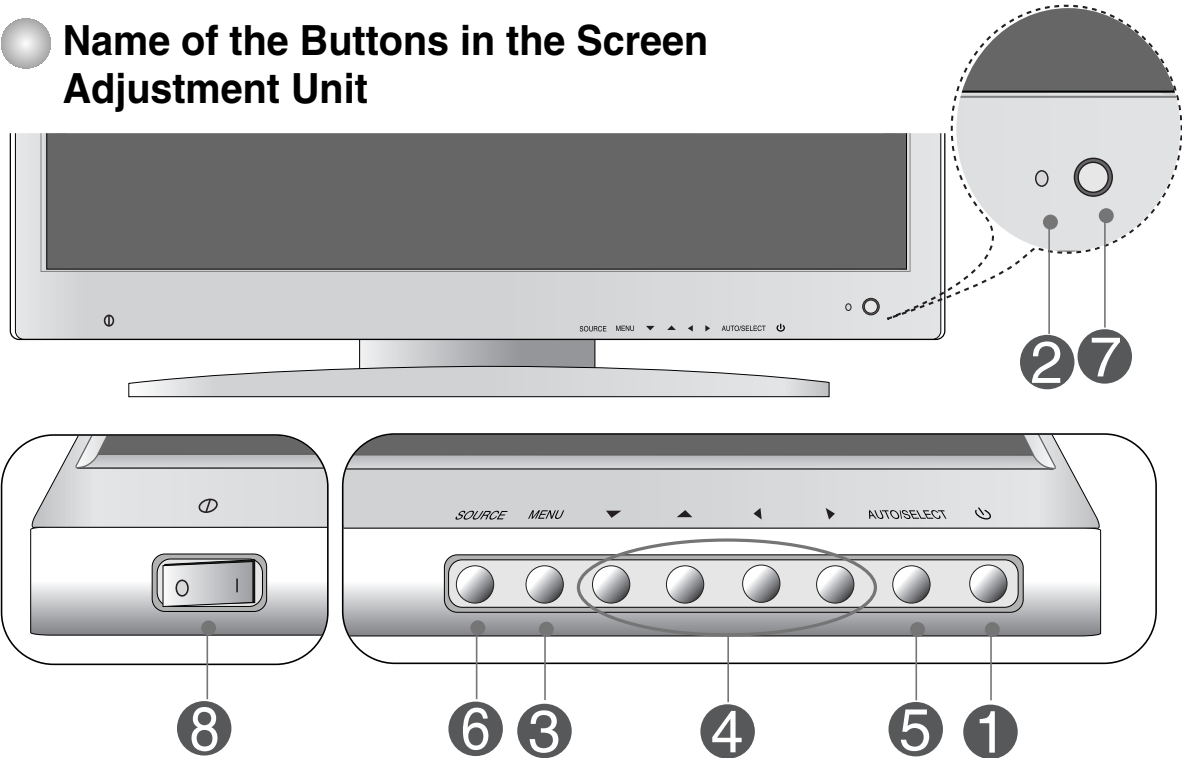
**5 Auto/Select Button** • Use this button to select an icon in order to adjust the setting in the OSD screen.

• Press the Auto/Select button to adjust the screen automatically.

**AUTO IN PROGRESS**



## ● Name of the Buttons in the Screen Adjustment Unit



6

### Source Button

SOURCE → ▼▲ → AUTO/SELECT

- Select the input signal

<b>DVI DIGITAL</b>	DVI digital signal
<b>DSUB ANALOG</b>	15-pin D-Sub analog signal
<b>VIDEO1(CVBS)</b>	Composite video
<b>VIDEO1(SVHS)</b>	S-Video
<b>DVD(Y, Pb, Pr)</b>	DVD
<b>HDTV(Y, Pb, Pr)</b>	HD television
<b>TV</b>	television

#### Input Select

DVI DIGITAL  
DSUB ANALOG  
VIDEO1(CVBS)  
VIDEO2(SVHS)  
DVD(Y, Pb, Pr)  
HDTV(Y, Pb, Pr)  
TV

7

- The unit that receives the signal from the remote controller.

8

- Use this button to turn on/off the monitor.

### OSD Lock/Unlock Button

Menu button + ►

- Use this button to lock/unlock OSD screen adjustment. (Activated when pressed together longer than 3 seconds.)

**CONTROLS LOCKED**

- OSD is locked

**CONTROLS UNLOCKED**

- OSD is unlocked.



# Selecting and Adjusting the Screen

## ● OSD Menu – When Connected to Your PC

Icon	Function Description
 Adjustment	Adjusts screen brightness, contrast and color that you prefer.
 Tracking	Adjusts horizontal size of the screen, phase or position.
 Audio	Adjusts the audio function.
 Setup	Adjusts the screen status according to the circumstances.
 PIP/POP/PBP	Adjusts PIP/POP/PBP mode function.

## ● OSD Menu – When Watching Video/DVD/TV/HDTV

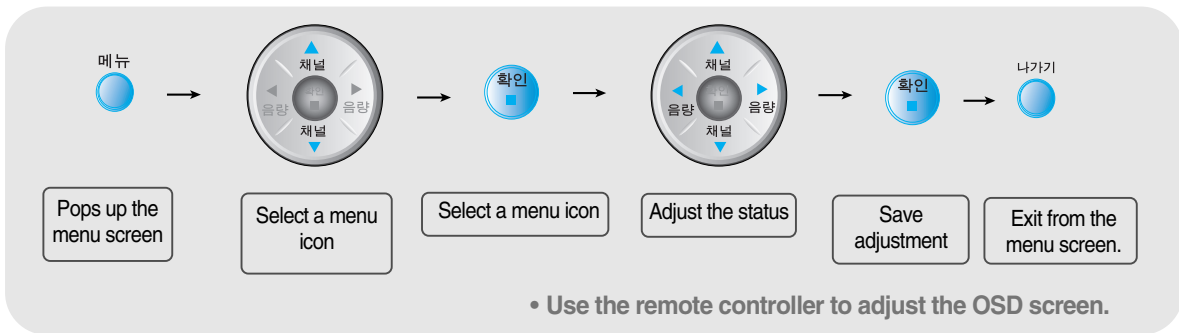
Icon	Function Description
 Channel Setup	Selects the channel method. (available only when watching TV)
 Video	Adjusts the screen video.
 Audio	Adjusts the audio function.
 Setup	Adjusts the screen status according to the circumstances.
 PIP/POP/PBP	Adjusts PIP/POP/PBP mode function.



### OSD(On Screen Display)

The OSD function enables you to adjust the screen status conveniently since it provides graphical presentation.

## ● How to adjust the OSD (On Screen Display) screen.



## ● How to adjust the screen automatically.

You need to adjust the screen display when connecting the monitor to a new computer or changing the mode. Refer to the following section to set an optimal monitor screen.

**AUTO IN PROGRESS**

Press the Auto/Select button (Auto Channel button in a remote controller) in the PC analog signal. Then, an optimal screen status will be selected that fits into the current mode.

If adjustment is not satisfactory, you need to adjust screen position, clock and phase in the OSD menu.



# Selecting and Adjusting the Screen

## OSD Menu – When Connected to Your PC

### Adjusting Screen Color

**Adjusting screen contrast**

Use to move

Move to **Contrast**.

◀ Dimmer  
▶ Sharper

Flowchart: 메뉴 (Menu) → [Up/Down] → 확인 (Confirm) → [Up/Down] → [Left/Right] → 확인 (Confirm) → 나가기 (Exit)

**Adjusting screen brightness**

Use to move

Move to **Brightness**

◀ Brighter  
▶ Darker

Flowchart: 메뉴 (Menu) → [Up/Down] → 확인 (Confirm) → [Up/Down] → [Left/Right] → 확인 (Confirm) → 나가기 (Exit)

**Adjusting screen color**

Use to move

Move to **Color**

▶ Select

---

■ Selecting a factory setting color set  
- 9300K: Blue color screen.  
- 6400K: Red color screen.

Flowchart: 메뉴 (Menu) → [Up/Down] → 확인 (Confirm) → [Left/Right] → 확인 (Confirm) → 나가기 (Exit)

Move to **User**

◀ Select 9300K  
▶ Select 6500K

■ Adjusting the screen with user-defined color  
- You can mix red, green or blue color to set the screen color

Flowchart: [Up/Down] → 확인 (Confirm) → [Up/Down] → 확인 (Confirm) → 나가기 (Exit)

Move to **Red, Green or Blue**

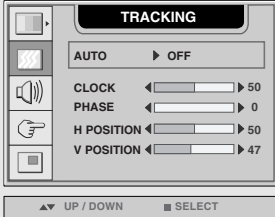
Adjust red, green or blue color

**Note** When connected to your computer and the digital input signal (DVI-DIGITAL), only Contrast/Brightness, Audio, Setup and PIP/POP menu are enabled. Other menu items will be automatically adjusted.

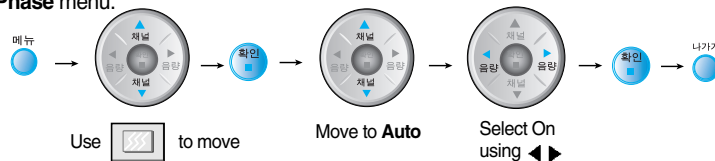


## Adjusting Screen Phase/Phase and Position

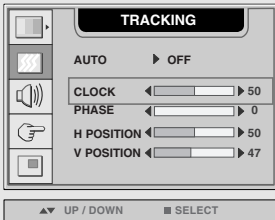
### Adjusting the screen automatically



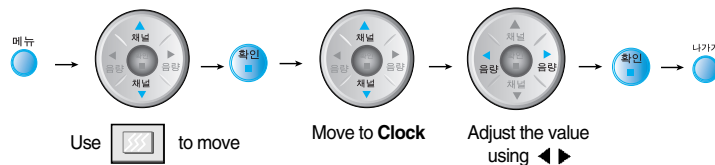
You need to adjust screen display when connecting the monitor to a new computer or changing the mode. Execute the **automatic adjustment** function for an optimal screen. If adjustment is not satisfactory, you need to perform more adjustment using **Clock** and/or **Phase** menu.



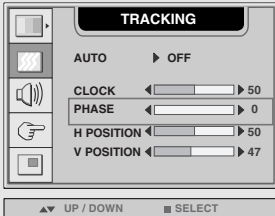
### Adjusting horizontal size of the screen (clock)



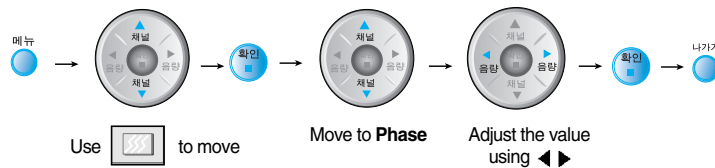
Set to full screen so that entire screen displays the image.



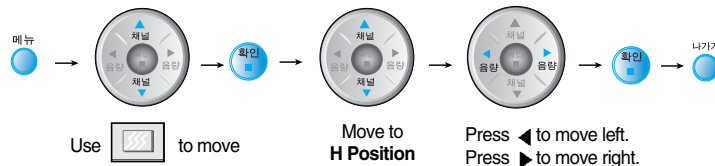
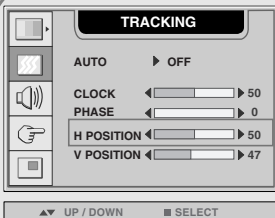
### Adjusting screen phase



Use this function when noise appears on the screen or the characters are overlapped.



### Moving the screen left/right (horizontal position)



### Moving the screen up/down (vertical position)

