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ENGLISH

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Safety Precautions

Please read these safety precautions carefully before using the product.



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 Product

Warning

- **Keep away from heat sources like electrical heaters.**
 - Electrical shock, fire, malfunction or deformation may occur.
- **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.
- **Do not put heavy objects on the product or sit upon it.**
 - If the product collapses or is dropped, you may be injured. Children must pay particular attention.
- **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.
- **Install the product in a neat and dry place.**
 - Dust or moisture can cause electrical shock, fire or product damage.
- **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.
- **If you dropped the product or the case is broken, turn off the product and unplug the power cord.**
 - If you continue to use without taking proper measures, electrical shock or fire can occur. Contact the service center.
- **Do not drop metallic objects such as coins, hair pins, chopsticks or wire into the product, 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 product, unplug the power cord and contact the service center.

Caution

- **Make sure the product ventilation hole is not blocked. Install the product in a suitably wide place (more than 10cm from the wall)**
 - If you install the product too close to the wall, it may be deformed or fire can break out due to internal heat.
- **Do not block the ventilation hole of the product by a tablecloth or curtain.**
 - The product can be deformed or fire can break out due to overheating inside the product.
- **Install the product on a flat and stable place that has no risk of dropping the product.**
 - If the product is dropped, you may be injured or the product may be broken.
- **Install the product where no EMI occurs.**
- **Keep the product away from direct sunlight.**
 - The product can be damaged.

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 product 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.
- **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.
- **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 product for a long time, unplug the power cable from the product.**
 - Covering dust can cause a fire, or insulation deterioration can cause electric leakage, electric shock or fire.
- **Fix the power cable completely.**
 - If the power cable is not fixed completely, a fire can break out.
- **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.
- **The power supply cord is used as the main disconnection device. Ensure that the socket-outlet is easily accessible after installation.**

Caution

- **Do not unplug the power cord while the product is in use.**
 - Electrical shock can damage the product.

Precautions in Moving the Product

Warning

- **Make sure to turn off the product.**
 - You may be electrocuted or the product can be damaged.
- **Make sure to remove all cables before moving the product.**
 - You may be electrocuted or the product can be damaged.

Safety Precautions

Caution

- Do not shock the product when moving it.
 - You may be electrocuted or the product 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 product, the damaged product can cause electric shock or fire. Contact with the service center for repair.

Precautions in Using the Product

Warning

- Do not disassemble, repair or modify the product at your own discretion.
 - Fire or electric shock accident can occur.
 - Contact the service center for check, calibration or repair.
- 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.
- Keep the product away from water.
 - Fire or electric shock accident can occur.

Caution

- Do not put or store inflammable substances near the product.
 - There is a danger of explosion or fire due to 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 product, which can cause electric shock or serious malfunction.
- Take a rest from time to time to protect your vision.
- Keep the product clean at all times.
- Take a comfortable and natural position when working with a product to relax the muscles.
- Take a regular break when working with a product 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 product.
 - Your vision may be impaired if you look at the product too closely.
- Set the appropriate resolution and clock by referring to the User's Guide.
 - Your vision can be impaired.
- Use authorized detergent only when cleaning the product. (Do not use benzene, thinner or alcohol.)
 - Product can be deformed.

On Disposal

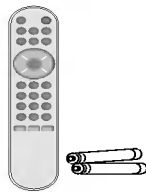
- The fluorescent lamp used in this product contains a small amount of mercury.
- Do not dispose of this product with general household waste.
 - Disposal of this product must be carried out in accordance to the regulations of your local authority.

Accessories

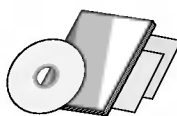
Please check the accessories in the product package.

* The product and the accessories can be different from the figures shown here.

ENGLISH



Remote Control/Batteries



User's Guide/
Driver CD/Cards



D-Sub Signal Cable



Power Cord



Audio Cable (PC)



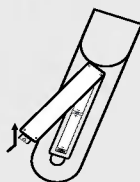
Back Cap



RCA to SCART Cable(Optional)

-It varies from country/region to country/region.

Inserting batteries into remote control.



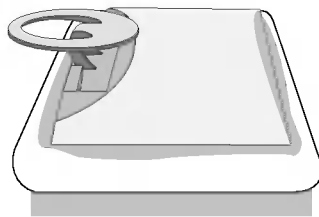
1. Take out the battery cap.
2. Insert the batteries with correct polarity (+/-).
3. Close the battery cap.
 - You can use a remote control 7 meter distance and 30 degree (left/right) within the receiving unit scope.
 - Dispose of used batteries in the recycle bin to prevent environmental pollution.

Before Connecting to the PC

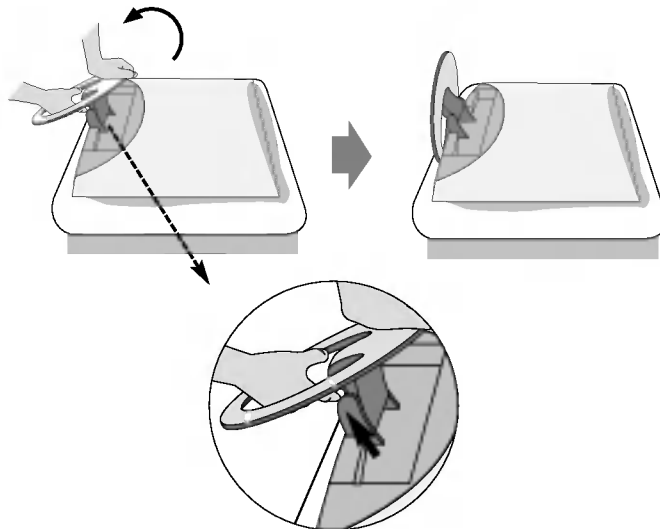
- Before setting up the product, ensure that the power to the product, the computer system, and other attached devices is turned off.

Unfolding the stand base

- 1 Place the product with its front facing downward on soft cloth.



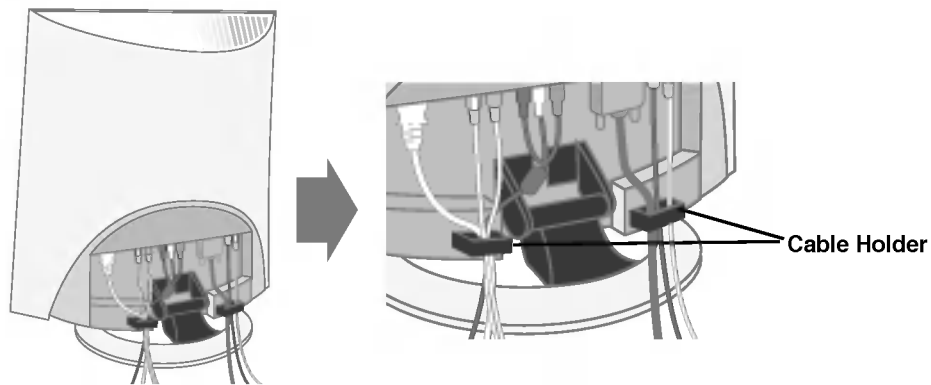
- 2 Hold down the release button inside the stand and strongly pull out the stand with your two hands.



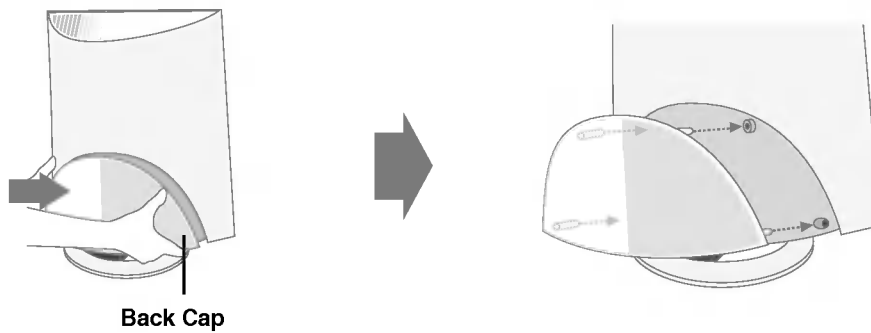
The stand won't move if you don't press release button.

To arrange cables in order

- 1 Connect the signal cable, power cord and the audio cable to use in order to arrange in the cable holder as shown in the following figure. (To connect the cables, refer to next pages.)



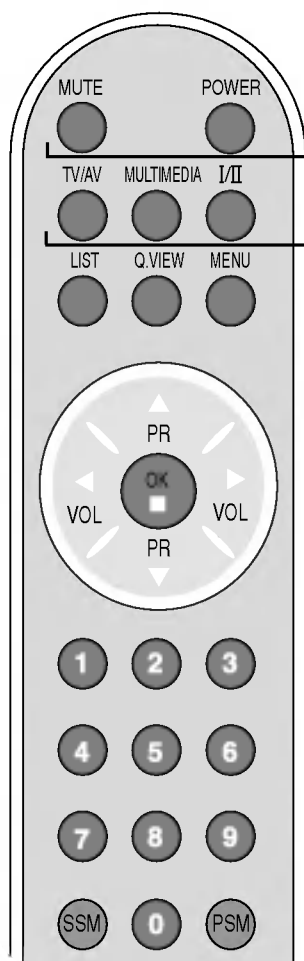
- 2 Push the back cap according to the steps shown in the following figure.



Name and Function of the Parts

● Name of the Remote Control Buttons

Remote Control

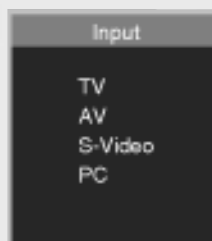


MUTE
POWER

TV/AV : TV/AV button

TV → AV → S-Video → PC

MULTIMEDIA



If you press the button once, the following Input Signal Window will appear. Select the signal type you want using the ▼▲ button.

I/II : Bilingual choice and sound mode selection

Press this button

[TV]

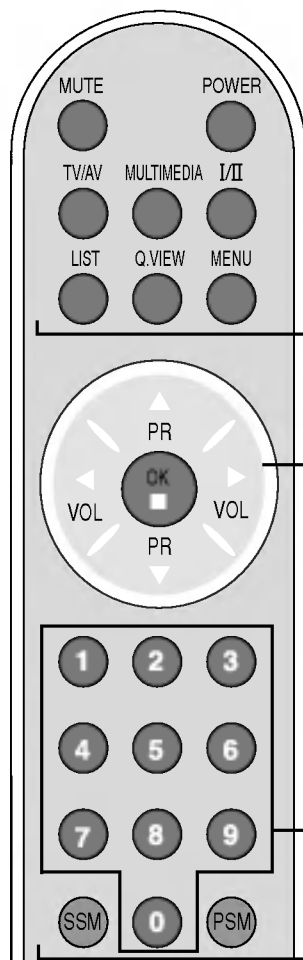
- to switch from **Stereo** to **Mono** sound in case of stereo transmission, or from **Nicam Stereo** to **Nicam Mono**, in case of digital transmission.
- to switch from **Nicam Dual I** to **Nicam Dual II** or **Nicam Dual I+II** in case of Nicam Dual transmission.
- to choose between **Dual I**, **Dual II** or **Dual I+II** in case of bilingual transmission :
 - Dual I** sends the primary broadcast language to the loudspeakers ;
 - Dual II** sends the secondary broadcast language to the loudspeakers ;
 - Dual I+II** sends a separate language to each loudspeakers.

[AV]

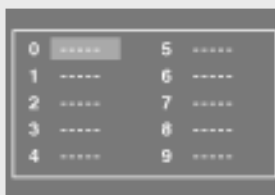
In AV mode, you can select output sound for the left and right loudspeakers. Repeatedly press the **I/II** button to select the sound output.

- **L+L** : Audio signal from audio L input is sent to left and right loud-speakers.
- **L+R** : Audio signal from audio L input is sent to left loud-speaker and audio signal from audio R input is sent to right loud-speaker.
- **R+R** : Audio signal from audio R input is sent to left and right loud-speakers.

■ **NOTE** : In case of weak stereo sound signals, with stereo or Nicam stereo transmission, select mono reception.

**LIST : Programme list**

To display the programme list (0~ 99).



Note: TV channels displayed in blue have been setup to be skipped in the Programme Edit menu.

Q.VIEW : QUICK VIEW Button

- * Favourite Program On : Rotate favourite channel
- * Favourite Program Off : To display the previously selected TV channel

MENU

Use this button to enter the On Screen Display menu.

PR (▲ ▼) Buttons

Able to change channel.

VOL (◀ ▶) Buttons

Able to adjust sound.

OK Button

Use when functional adjustment is completed.

Number buttons

Able to directly select and change channel.

SSM (Sound Status Memory) Button

Use this button to select the sound tone.

Press repeatedly to select **Flat**, **Music**, **Movie**, **Speech**, **User** sound tone.

PSM (Picture Status Memory) Button

Press repeatedly to select **Dynamic**, **Standard**, **Mild**, **Game** or **User** picture mode.

Name and Function of the Parts

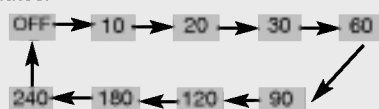
● Name of the Remote Control Buttons

Remote Control

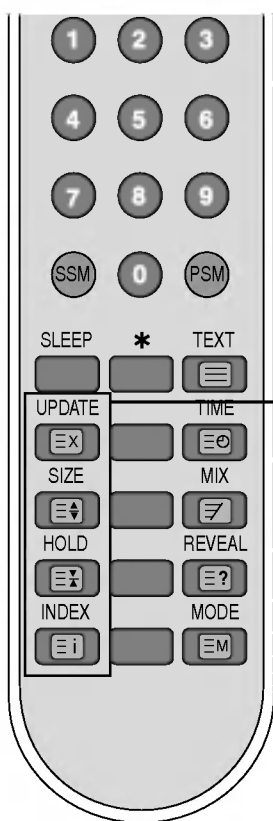


SLEEP : SLEEP Timer

You can set a time period after which the TV / AV / S-Video should switch itself to standby. Press the key repeatedly to select the number of minutes.



Remote Control - Using the Teletext function (Optional)



[X] UPDATE

Press the button to appear the TV programme. At the top of screen indicates that you are still in the teletext mode. Before interrupting teletext, you may select a page number. When the page has been found, the information line appears briefly on your screen. Press the button again to reappear teletext.

[SIZE] SIZE

Press the button repeatedly to display the upper part, the lower part and then to return to the normal page size.

[HOLD] HOLD

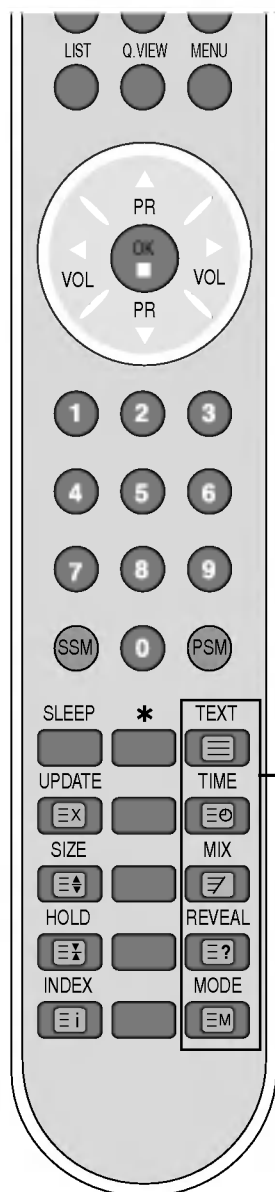
Press the button to stop the automatically rotating of the subpages. Press the button again to continue the automatic rotating again.

[i] INDEX

To display the main index.

Remote Control - Using the Teletext function (Optional)

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TEXT

To select the teletext on or off. The main index page or the last selected page appears on the screen together with an information headline and an option line at the bottom of the screen.

TIME

When viewing a TV programme, press this button to display the time at the top right hand corner of the screen.
press this button to select a sub-page number. The sub-page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/GREEN, ▲▼ or NUMBER buttons. Press again to exit this function.

MIX

Display the teletext pages superimposed on the TV picture. To switch the TV picture off press this button again.

REVEAL

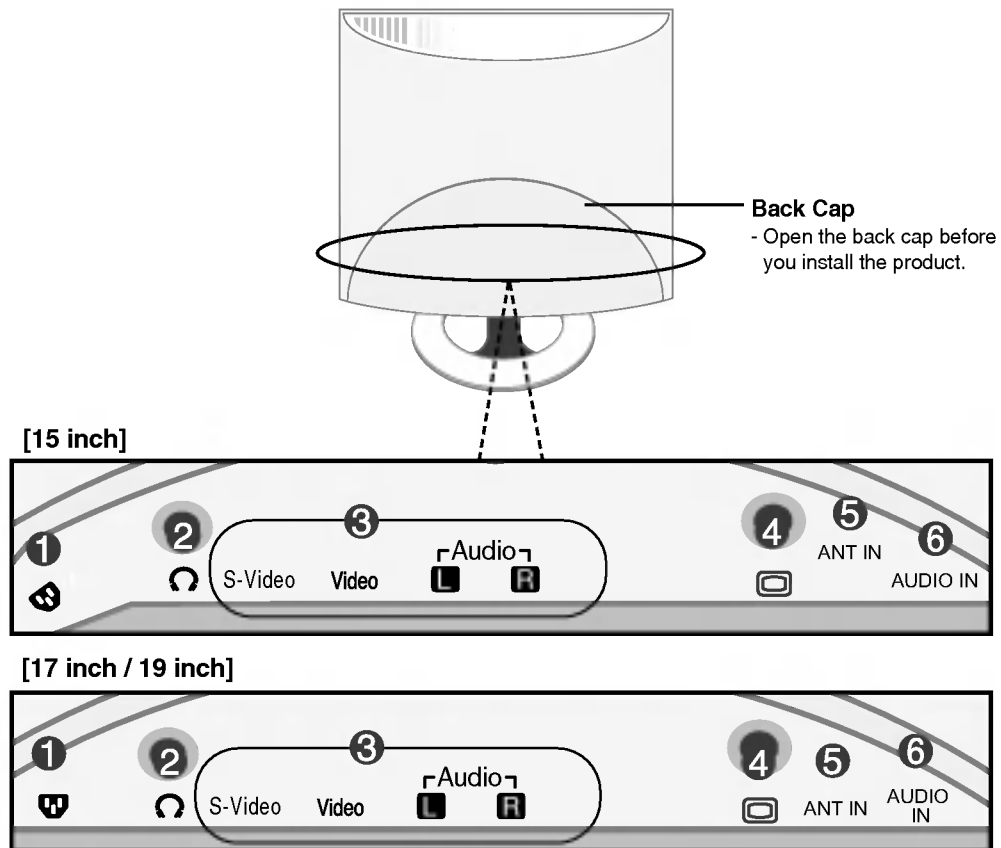
Press the button to reveal/conceal the hidden information, such as solutions to riddles and puzzles. Press this button again to remove the information from the display.

MODE

The mode will be switched in the Teletext mode.

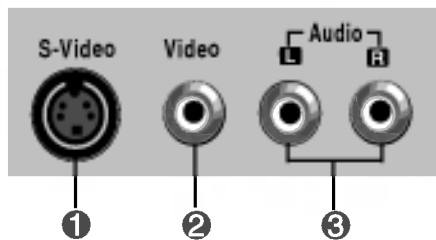
Name and Function of the Parts

Rear View



- ❶ Power Connector : Connect the power cord.
- ❷ Headphone/Earphone Connection Terminal
- ❸ AV Input Terminal
- ❹ D-Sub Analog Signal Connector
- ❺ TV Tuner Jack : Connect the antenna.
- ❻ PC Sound Jack : Connect to the jack in the PC sound card.

● AV Input Terminal



- ❶ **S-Video Input Terminal**
- ❷ **AV(CVBS) Input Terminal(Video)**
- ❸ **AV(CVBS) Input Terminal(Audio)**

● Connecting the sound card output terminal

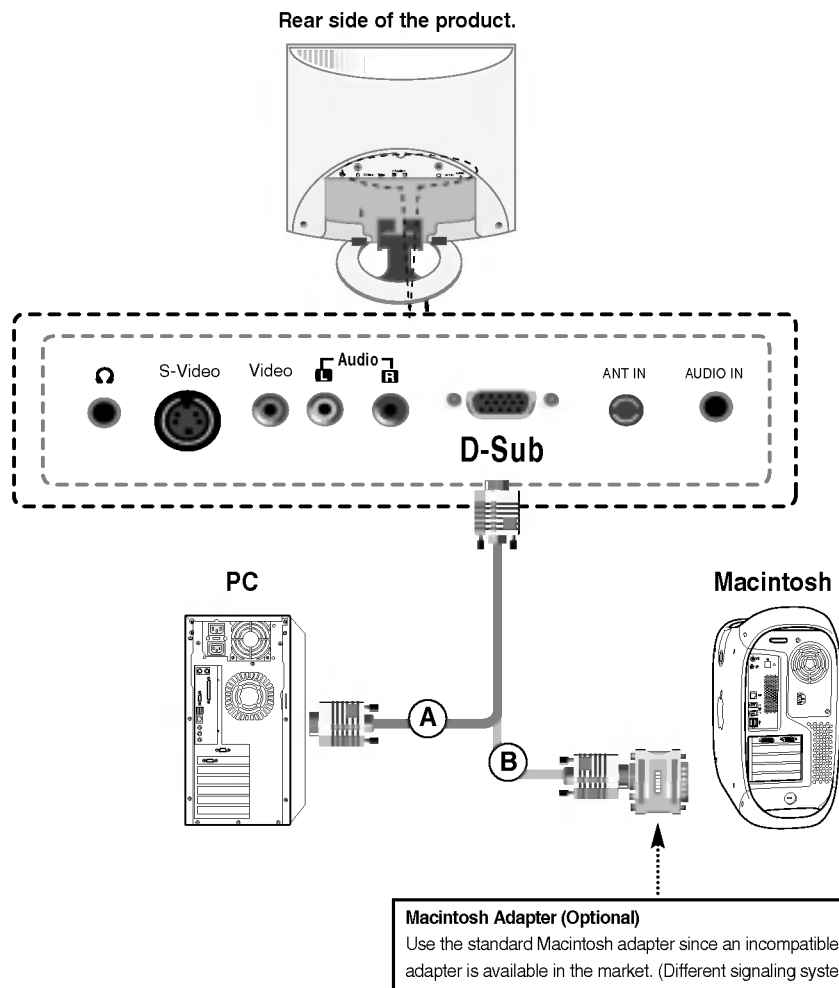
- Make sure to check the sound card connection terminal in the PC before connecting to the product.
If the PC sound card supports both Speaker Out and Line Out, change it to Line Out by setting the jumper or the PC application. (For more details, refer to the sound card user's guide.)
 - **Speaker Out** : 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 product is integrated with an amplifier.

Connecting to External Devices

■ ■ When Connecting to your PC

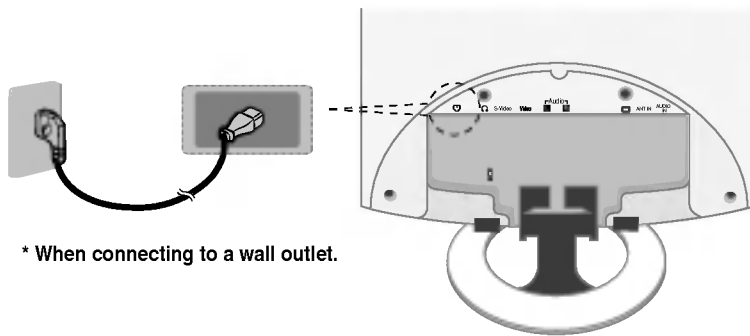
1 First of all, see if the computer, product and the peripherals are turned off. Then, connect the signal input cable.

- (A)** When connecting with the D-Sub signal input cable. (IBM compatible PC)
- (B)** When connecting with the D-Sub signal input cable. (Macintosh)



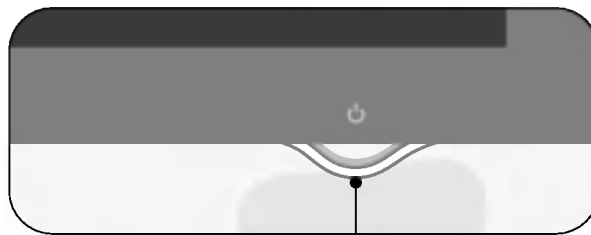
2 Connect the power cord.

Rear side of the product.



* When connecting to a wall outlet.

3 A Touch the Power On/Off sensor.



Power On/Off sensor

B Turn on the PC.

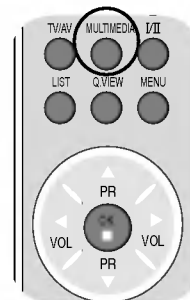
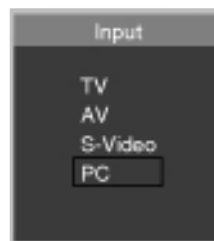
4 Select an input signal. Press the MULTIMEDIA button on the remote control to select the input signal.

MULTIMEDIA → ▼▲ → OK

Or, press the SOURCE button at the front side of the product.

SOURCE → ▼▲ → AUTO/SELECT

- Select PC



Note

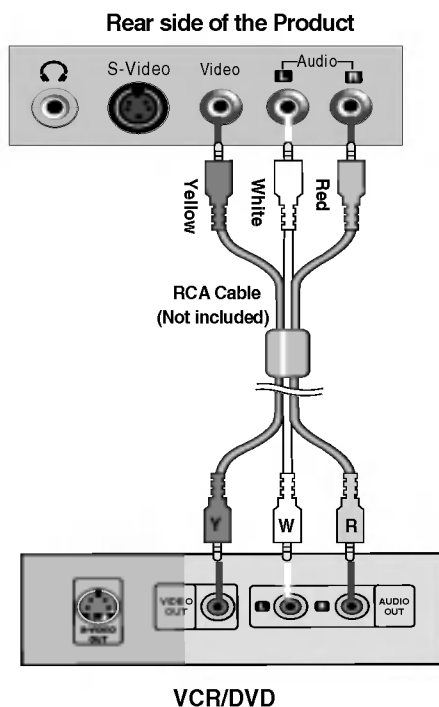
- Directly connect to a grounded power outlet on the wall or a power bar with a ground wire.

Connecting to External Devices

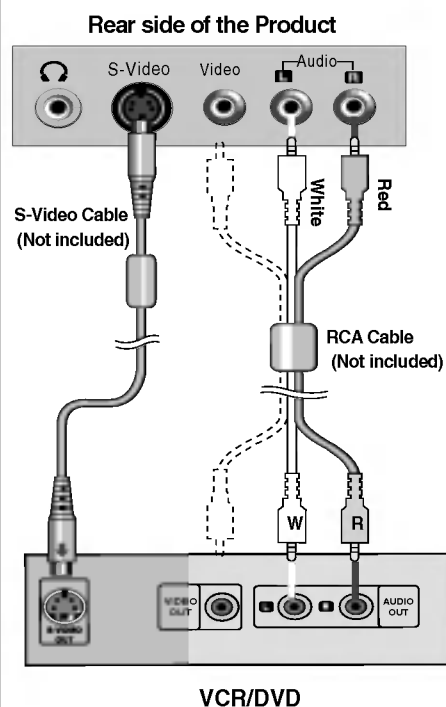
■ ■ ■ When watching VCR/DVD

- 1** Connect the video/audio cable as shown in the below figure and then connect the power cord (See page A14).

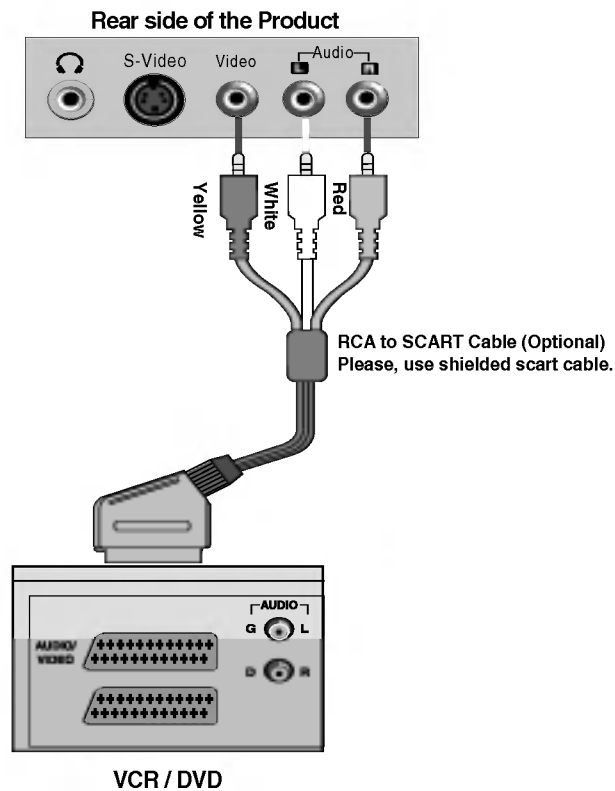
- (A) When connecting with an RCA cable.**
- Connect the input terminal with a proper color match. (**Video – Yellow, Sound (left) – White, Sound (right) – Red**)



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



③ When connecting with an RCA to SCART cable.(Optional)



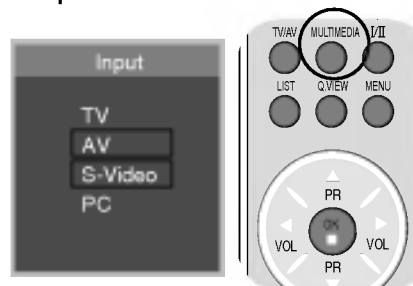
② Select an input signal.
Press the **MULTIMEDIA** button on the remote control to select the input signal.

MULTIMEDIA → ▼▲ → OK

Or, press the **SOURCE** button at the front side of the product.

SOURCE → ▼▲ → AUTO/SELECT

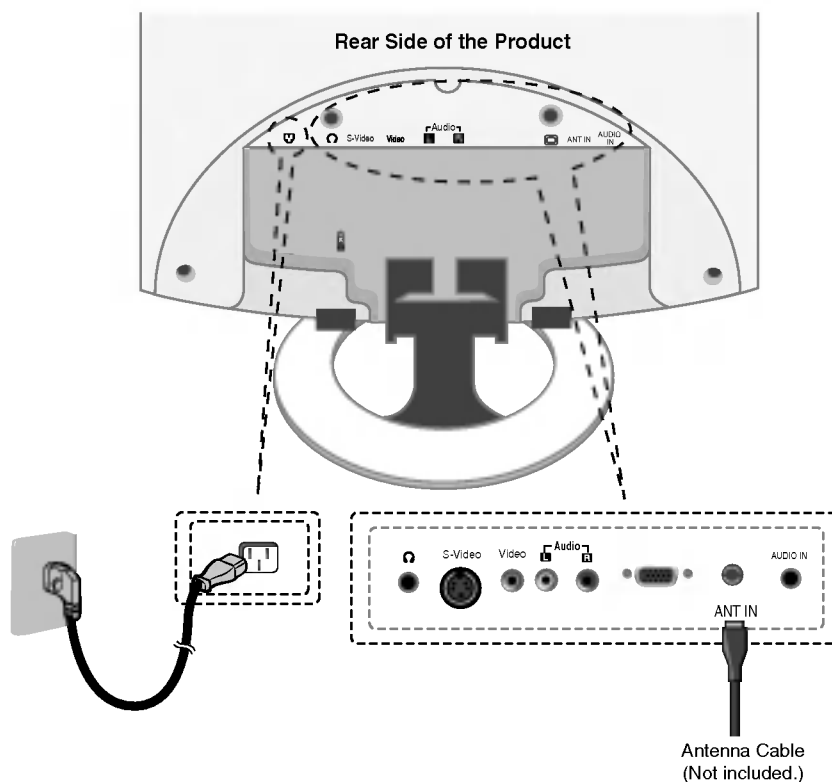
- ① When connecting with a RCA cable.
 - Select **AV**
- ② When connecting with a S-Video cable.
 - Select **S-Video**
- ③ When connecting with a RCA to SCART cable.
 - Select **AV**



Connecting to External Devices

■ ■ When watching TV

- 1 See if the antenna cable is connected at the rear side of the product and then, connect the power cord.



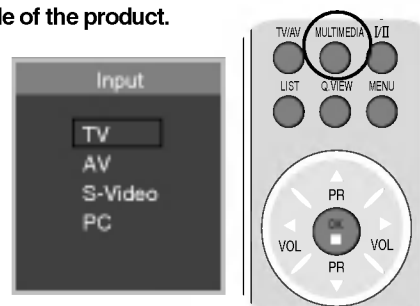
- 2 Select an input signal.
Press the MULTIMEDIA button on the remote control to select the input signal.

MULTIMEDIA → ▼▲ → OK

Or, press the SOURCE button at the front side of the product.

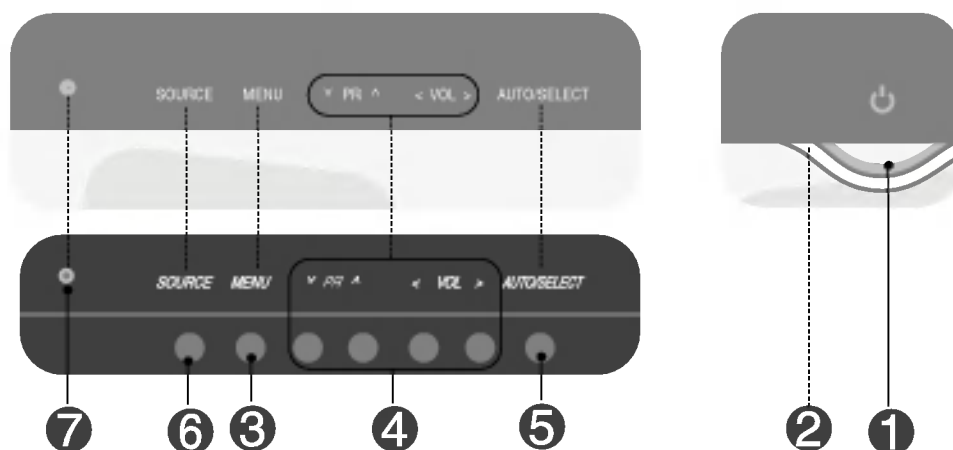
SOURCE → ▼▲ → AUTO/SELECT

- Select TV



Selecting and Adjusting the Screen

● Name of the Buttons in the Screen Adjustment Unit



ENGLISH

- 1 Power Indicator**
 - This Indicator lights up blue when the display operates normally (On Mode). If the display is in Sleep (Energy Saving) Mode, this indicator color changes to amber.
 - 2 Power On/Off sensor**
 - Touch the Power On/Off sensor.
 - 3 MENU Button**
 - Use this button to show/hide the OSD (On Screen Display) menu screen.
 - 4 OSD Select/Adjust Button**
 - Use this button to select an icon or adjust the setting in the OSD screen.
- ▼▲ • Use this button to control the channel for the TV signal.
- ◀▶ • Adjust the volume.



Selecting and Adjusting the Screen

● Name of the Buttons in the Screen Adjustment Unit

5

AUTO/SELECT Button

- Select the icon to adjust on the OSD screen.

[For PC Analog signal]

- If you press the [AUTO/SELECT] button, automatic screen adjustment will be started.



Processing..

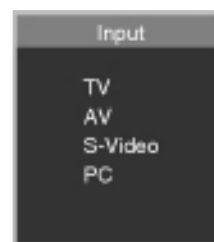
6

SOURCE Button

SOURCE → ▼▲ → AUTO/SELECT

- Select the input signal

TV	Television
AV	Composite video
S-Video	S-Video
PC	D-Sub analog signal



7



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

● OSD (On Screen Display) Menu

Icon	Function Description
 Station	Set/Select the channel when using the TV
 Picture	Adjusting the picture function.
 Sound	Adjusting the sound function.
 Time	Adjusting the time function. (TV/Video only)
 Setup	Selecting the setup function.
 Screen	Adjusting the screen function. (PC only)



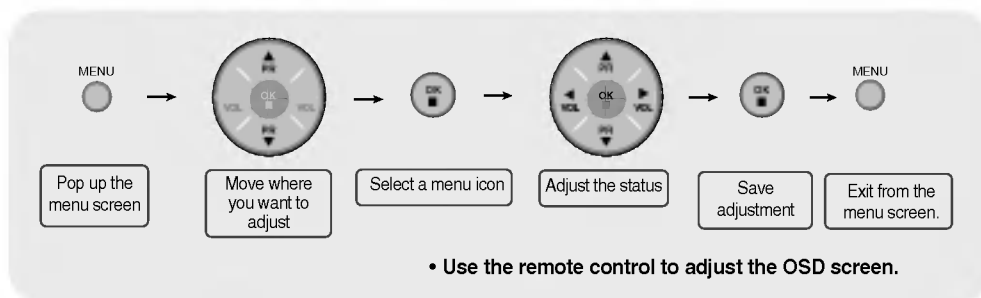
Note

OSD(On Screen Display)

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

Selecting and Adjusting the Screen

● OSD (On Screen Display) Screen Tracking Order



- 1 Press the **MENU** Button, then the main menu of the OSD appears.
- 2 To access a control, use the ▼▲ Buttons.
- 3 When the icon you want becomes highlighted, press the **OK** Button.
- 4 Use the ▼▲◀▶ Buttons to adjust the item to the desired level.
- 5 Accept the changes by pressing the **OK** Button.
- 6 Exit the OSD by pressing the **MENU** Button.

● How to adjust the screen automatically.

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

Processing...

Press the **AUTO/SELECT** button in the PC analog signal. Then, an optimal screen status will be selected that fits into the current mode.

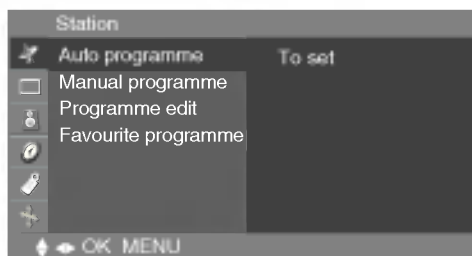
If adjustment is not satisfactory, you need to adjust screen position, clock and phase in the OSD menu.



Set/Select the channel when using the TV

ENGLISH

Auto programme



System

Press the ▼▲ buttons to select the TV system of the country or part of the world from where you want to receive the TV channels.
If you want to receive 'SECAM L' channel, change the **System** menu to 'L' before launching an automatic search.

L : SECAM L/L (France)
BG : PAL B/G, SECAM B/G (Europe/East Europe)
I : PAL I/II (U.K/Ireland)
DK : PAL D/K, SECAM D/K (East Europe)
M : NTSC-Multi

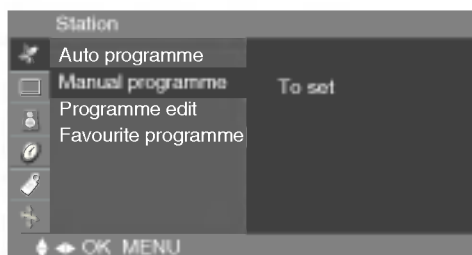
Storage from

To select a programme number or enter the programme number with the number buttons from where you want to start searching for new channels. If e.g. you want to keep the channels 1 to 10 stored earlier, enter programme number 11. Your TV search for new channels from number 11 onwards.

Search

Press **OK** or ► button to start automatic programming. all available TV channels are searched for and stored automatically. To stop auto programming, press the **MENU** button. When auto programming is completed, the programme list menu appears.

Manual programme



To change the channel.
(Change each item in Manual Program and press the "MENU" button to save the settings)

Storage

Press the ◀▶ buttons to select the channel number or enter the programme number with the number buttons in where you want to store channel.

System

Press the ▼▲ buttons to select the TV system of the country or part of the world from where you want to receive the TV channels.

L : SECAM L/L (France)
BG : PAL B/G, SECAM B/G (Europe/East Europe)
I : PAL I/II (U.K/Ireland)
DK : PAL D/K, SECAM D/K (East Europe)
M : NTSC-Multi

Selecting and Adjusting the Screen



Set/Select the channel when using the TV

- Channel** Press the ▼▲ buttons to select **VHF/UHF** for aerial channels or **Cable** for cable channels. If you know the channel number, enter it directly with the digit buttons 0 to 9.
To select the channel reception type. : **VHF/UHF / Cable**
- Search** Use the ◀▶ buttons to search next channel backward or forward direction.
- Name** To see the assigned channel name.
It is possible to change the name stored in the memory or to assign a name to a TV channel which has not yet been entered. A name with up to 5 letters or numbers can be given to the programme numbers 0 to 99.
Press the ◀▶ buttons to move cursor to be changed. -> Press the ▼▲ buttons to select a character.(space, number 0~9, and alphabet A~Z, +,-) -> Press **OK** button or **MENU** button.

Programme edit



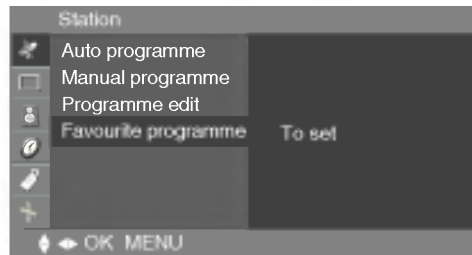
- Delete** Press the ▼▲◀▶ buttons to select a TV channel to be deleted. -> Press the red key on the remote control -> The background colour of the selected channel will change to red.
Press the Delete button one more time to delete the selected channel.
All the following channels are shifted up one position.
- Copy** Press the ▼▲◀▶ buttons to select a TV channel to be copied. -> Press the green key on the remote control. All the following channel numbers are shifted down one position.
- Move** Press the ▼▲◀▶ buttons to select a channel number to be moved. -> Press the yellow key on the remote control. -> Press the ▼▲◀▶ buttons to move the TV channel to the desired channel number. -> Press the yellow key again to release this function.
- Skip** Press the ▼▲◀▶ buttons to select a channel number to be skipped. -> Press the blue key on the remote control. The skipped TV channel is displayed in blue.



Set/Select the channel when using the TV

ENGLISH

Favourite programme



This function lets you select your favourite programmes directly. (8 channel)
Press the ▼▲◀▶ buttons to select a channel number.

* **Q.VIEW button(remote control)** : Rotate Favourite channel

Selecting and Adjusting the Screen



Adjusting the picture function (PC)

PSM



The **PSM** function automatically adjusts the screen image quality.

- **Dynamic**
Select this option to display with a sharp image.
- **Standard**
The most general and natural screen display status.
- **Mild**
Select this option to display with a mild image.
- **Game**
Select this option to enjoy dynamic image when playing a game.
- **User**
Select this option to use the user-defined settings.

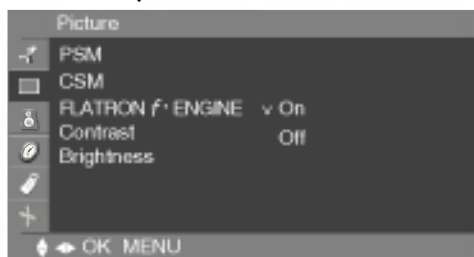
CSM



Selecting a factory setting color set.

- **Cool**
Slightly purplish white.
- **Normal**
Slightly bluish white.
- **Warm**
Slightly reddish white.
- **User**
Select this option to use the user-defined settings.
Red / Green / Blue
Set your own color levels.

FLATRON f·ENGINE



This feature lets you easily select the best desired image condition optimized to the environment



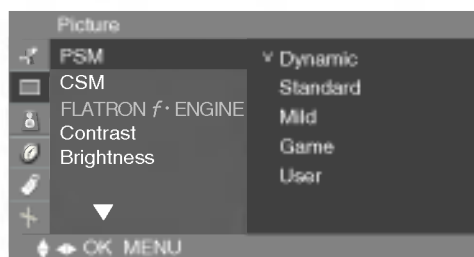
Contrast : To adjust the contrast of the screen.

Brightness : To adjust the brightness of the screen.



Adjusting the picture function (TV/Video)

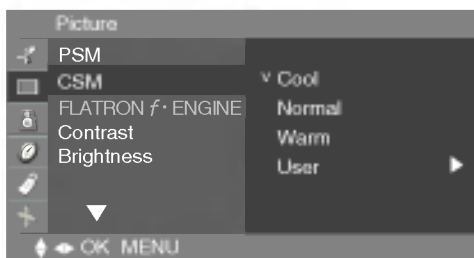
PSM



The **PSM** function automatically adjusts the screen image quality.

- **Dynamic**
Select this option to display with a sharp image.
- **Standard**
The most general and natural screen display status.
- **Mild**
Select this option to display with a mild image.
- **Game**
Select this option to enjoy dynamic image when playing a game.
- **User**
Select this option to use the user-defined settings.

CSM



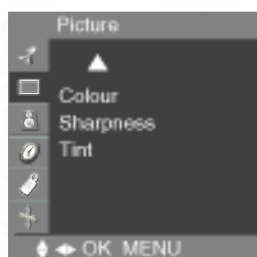
Selecting a factory setting color set.

- **Cool**
Slightly purplish white.
- **Normal**
Slightly bluish white.
- **Warm**
Slightly reddish white.
- **User**
Select this option to use the user-defined settings.
Red / Green / Blue
Set your own color levels.

FLATRON f · ENGINE



It is not adjustable to the TV, Video, S-Video Input source.



- Contrast** : To adjust the contrast of the screen.
- Brightness** : To adjust the brightness of the screen.
- Colour** : To adjust the color to desired level.
- Sharpness** : To adjust the clearness of the screen.
- Tint** : To adjust the tint to desired level.
(only 60Hz signal)

Selecting and Adjusting the Screen



Adjusting the sound function



SSM

The best sound tone quality will be selected automatically depending on the video type that you're currently watching.

- **Flat** : The most commanding and natural audio.
- **Music** : Select this option to enjoy the original sound when listening to the music.
- **Movie** : Select this option to enjoy sublime sound.
- **Speech** : Select this option to watch sports broadcasting.
- **User** : Select this option to use the user-defined audio settings.

AVL

To adjust uneven sound volumes across all channels or signals automatically to the most appropriate level. To use this feature, select **On**.

Balance

Use this function to balance sound from the left and right speakers.



Adjusting the time function (TV/Video only)



Time

This function is used to set up of current time.

You must set the time correctly before using **On/Off time** function.

- 1) Press the **MENU** button and then use **▼▲** button to select the **Time** menu.
 - 2) Press the **▶** button and then use **▼▲** button to select the **Time** menu.
 - 3) Press **▶** button and then use **▼▲** button to set the hour(00~23).
 - 4) Press **▶** button and then use **▼▲** button to set the minutes(00~59).
- The default value is -- : --.

Off/On time

The **Off time** automatically switches the set to off mode at the pre-set time.

- 1) Press the **MENU** button and then use **▼▲** button to select the **Time** menu.
- 2) Press the **▶** button and then use **▼▲** button to select **Off time** or **On time**.
- 3) Press the **▶** button and then use **▼▲** button to set the hour(00~23).
- 4) Press the **▶** button and then use **▼▲** button to set the minutes(00~59).
- 5) Press the **▶** button and then use **▼▲** button to select **On** or **Off**.
- 6) Only **On time** function; Press the **▶** button and then **▼▲** button to adjust volume level and programme number.
- 7) Press the **OK/MENU** button to save.

Auto off

(TV input only)

If **Auto off** is active and there is no input signal, the TV switches to off mode automatically after 10 minutes.

- 1) Press the **MENU** button and then use **▼▲** button to select the **Auto off** menu.
- 2) Press the **▶** button and then use **▼▲** button to select **On** or **Off**.
- 3) Press the **OK/MENU** button to save .



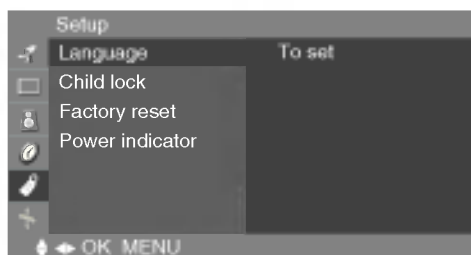
Note

- In the event of power interruption (disconnection or power failure), the **Time** must be reset.
- Two hours after the set is switched on by the **On time** function it will automatically switch back to off mode unless a button has been pressed.
- Once the **On** or **Off time** is set, these functions operate daily at the preset time.
- **Off time** function overrides **On time** function if they are set to the same time.
- The set must be in off mode for the **On time** to work.

Selecting and Adjusting the Screen



Selecting the setup function



Language

To choose the language in which the control names are displayed.

Child lock

Use the ▼▲ buttons to select **On** or **Off**. It can be set up so that it can only be used with the remote control. This feature can prevent unauthorized viewing.

In order to lock the OSD screen adjustment, set the **Child lock** tab to the 'On' position.

In order to unlock it, do the following :

1) Push the **MENU** button on the remote control and set **Child lock** to the 'Off' position.

Factory reset

Use this function to reset the product to the factory default. However, language selection will not be initialized.

Power indicator

Use this function to set the power indicator on the front side of the product to **On** or **Off**. If you set **On** at any time, the power indicator will automatically be turned on.



Adjusting the screen function (PC only)

ENGLISH



Reset

Use this function to reset the product to the factory default. However, language selection will not be initialized.

Auto configure

This button is for the automatic adjustment of the screen **Position**, **Clock** and **Phase**.

Manual configure

This button is for the manual adjustment of the screen **Position**, **Clock** and **Phase**.

- **H-Position**

To move image left or right.

- **V-Position**

To move image up or down.

- **Clock**

To minimize any vertical bars or stripes visible on the screen background.
The horizontal screen size will also change.

- **Phase**

To adjust the focus of the display. This item allows you to remove any horizontal noise and clear or sharpen the image of characters.

Troubleshooting

No image is displayed

- | | |
|---|---|
| <ul style="list-style-type: none"> ● Is the product power cord connected? ● Does the power indicator is turned on? ● Power is on, power indicator is blue but the screen appears extremely dark. ● Does the power indicator look amber? ● Does the 'Out of range' message appear? ● Does the 'Check signal cable' message appear? | <ul style="list-style-type: none"> • See if the power cord is properly connected to the outlet. • See if the power switch is turned on. • Adjust brightness and contrast again. • If the product is in power saving mode, move the mouse or press any key. • The signal from the PC (video card) is out of the vertical or horizontal frequency range of the product. Adjust the frequency range by referring to the Specifications in this user's guide. <ul style="list-style-type: none"> * Maximum resolution 17, 19 inch : 1280 x 1024 @75Hz 15 inch : 1024 x 768 @75Hz • The signal cable between PC and product is not connected. Check the signal cable. • Press the 'MULTIMEDIA' button in the remote control to check the input signal. |
|---|---|

'Unknown Product' message appears when the product is connected.

- | | |
|---|--|
| <ul style="list-style-type: none"> ● Did you install the driver? | <ul style="list-style-type: none"> • Install the product driver, which is provided with the product, or download it from the web site. (http://www.lge.com) • See if the plug&play function is supported by referring to the video card user's guide. |
|---|--|



Note

* **Vertical frequency:** To enable the user to watch the product display, screen image should be changed tens of times every second like a fluorescent lamp. The vertical frequency or refresh rate is the times of image display per second. The unit is Hz.

* **Horizontal frequency:** The horizontal interval is the time to display one vertical line. When the 1 is divided by horizontal interval, the number of horizontal lines displayed every second can be tabulated as the horizontal frequency. The unit is kHz.

The screen image looks abnormal.

- Is the screen position wrong?
 - D-Sub analog signal – Press the AUTO/SELECTTM button in the front side of the set to automatically select the optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Position OSD menu.
 - See if the video card resolution and frequency are supported by the product. If the frequency is out of range, set to the recommended resolution in the Control Panel – Display – Setting menu.
- Do thin lines appear on the background screen?
 - D-Sub analog signal – Press the AUTO/SELECTTM button in the front side of the set to automatically select an optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Clock OSD menu.
- Horizontal noise appears or the characters look blurred.
 - D-Sub analog signal – Press the AUTO/SELECTTM button in the front side of the set to automatically select an optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Phase OSD menu.

After-image appears on the product.

- After-image appears when the product is turned off.
 - If you use a fixed image for a long time, the pixels may be damaged quickly. Use the screensaver function.

Troubleshooting

The audio function does not work.

- No sound?
 - See if the audio cable is connected properly.
 - Adjust the volume.
 - See if the sound is set properly.
- Sound is too low.
 - Adjust the volume.

The TV function does not work.

- The TV signal is not being received.
 - See if you have selected the proper channel mode.
 - Use the automatic channel setup function.
 - See if the TV antenna is properly connected.

Screen color is abnormal.

- Screen has poor color resolution (16 colors).
 - Set the number of colors to more than 24 bits (true color)
Select Control Panel – Display – Settings – Color Table menu in Windows.
- Screen color is unstable or mono-colored.
 - Check the connection status of the signal cable.
Or, re-insert the PC video card.
- Do black spots appear on the screen?
 - Several pixels (red, green, white or black color) may appear on the screen, which can be attributable to the unique characteristics of the LCD panel. It is not a malfunction of the LCD.

Specifications

The product specifications can change without prior notice for product improvement.

[15 inch]

LCD Panel	Screen Type	15 inches (38.016 cm) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 38.016 cm
	Pixel Pitch	0.297 mm
Video Signal	Max. Resolution	1024 X 768 @75 Hz
	Recommended Resolution	1024 X 768 @60 Hz
	Horizontal Frequency	30 - 63 kHz
	Vertical Frequency	56 - 75 Hz
	Synchronization Type	Separate
Input Connector	S-Video, Composite video, TV, D-Sub Analog	
Power	Rated Voltage	AC 100-240V~ 50/60Hz 0.6A
	Power Consumption	On Mode : 30 W Sleep Mode ≤ 4 W Off Mode ≤ 2 W
Tilt	Tilt Range	-5° ~ 25°
	Tilt Stand	Attached
Dimension/Weight	Size (WxLxH)	375.4 mm x 221.8 mm x 373.8 mm
	Weight (excl. package)	4.4 kg (9.7 lbs)
Environmental Conditions	Operational Condition	Temperature: 10°C ~ 35°C , Humidity: 10% ~ 80%
	Storage Condition	Temperature: -20°C ~ 60°C , Humidity: 5% ~ 95%

ENGLISH

Specifications

The product specifications can change without prior notice for product improvement.

[17 inch]

LCD Panel	Screen Type	17 inches (43.27 cm) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 43.27 cm
	Pixel Pitch	0.264 mm
Video Signal	Max. Resolution	1280 X 1024 @ 75 Hz
	Recommended Resolution	1280 X 1024 @ 60 Hz
	Horizontal Frequency	30 - 83 kHz
	Vertical Frequency	56 - 75 Hz
	Synchronization Type	Separate
Input Connector	S-Video, Composite video, TV, D-Sub Analog	
Power	Rated Voltage	AC 100-240V~ 50/60Hz 1.0A
	Power Consumption	On Mode : 50 W Sleep Mode ≤ 4 W Off Mode ≤ 2 W
Tilt	Tilt Range	-5° ~ 25°
	Tilt Stand	Attached
Dimension/Weight	Size (WxLxH)	419.9 mm x 221.8 mm x 423.5 mm
	Weight (excl. package)	5.9 kg (13.0 lbs)
Environmental Conditions	Operational Condition	Temperature: 10°C ~ 35°C , Humidity: 10% ~ 80%
	Storage Condition	Temperature: -20°C ~ 60°C , Humidity: 5% ~ 95%

The product specifications can change without prior notice for product improvement.

[19 inch]

LCD Panel	Screen Type	19 inches (48.18 cm) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 48.18 cm
	Pixel Pitch	0.294 mm
Video Signal	Max. Resolution	1280 X 1024 @ 75 Hz
	Recommended Resolution	1280 X 1024 @ 60 Hz
	Horizontal Frequency	30 - 83 kHz
	Vertical Frequency	56 - 75 Hz
	Synchronization Type	Separate
Input Connector	S-Video, Composite video, TV, D-Sub Analog	
Power	Rated Voltage	AC 100-240V~ 50/60Hz 1.0A
	Power Consumption	On Mode : 55 W Sleep Mode ≤ 4 W Off Mode ≤ 2 W
Tilt	Tilt Range	-5° ~ 25°
	Tilt Stand	Attached
Dimension/Weight	Size (WxLxH)	458.3 mm x 242.0 mm x 457.7 mm
	Weight (excl. package)	7.0 kg (15.4 lbs)
Environmental Conditions	Operational Condition	Temperature: 10°C ~ 35°C , Humidity: 10% ~ 80%
	Storage Condition	Temperature: -20°C ~ 60°C , Humidity: 5% ~ 95%

Specifications

● PC Mode – Preset Mode

[15 inch]

Preset mode			Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Preset mode			Horizontal Frequency (kHz)	Vertical Frequency (Hz)
1	VGA	640 x 350	31.468	70	8	VESA	800 x 600	37.879	60
2	VGA	720 x 400	31.468	70	9	MAC	800 x 600	48.077	72
3	VGA	640 x 480	31.469	60	10	VESA	800 x 600	46.875	75
4	VESA	640 x 480	35.000	66	11	MAC	832 x 624	49.725	74
5	VESA	640 x 480	37.861	72	12	VESA	1024 x 768	48.363	60
6	VESA	640 x 480	37.500	75	13	VESA	1024 x 768	56.476	70
7	VESA	800 x 600	35.156	56	14	VESA	1024 x 768	60.023	75

[17 inch]

Preset mode			Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Preset mode			Horizontal Frequency (kHz)	Vertical Frequency (Hz)
1	VGA	640 x 350	31.469	70	8	VESA	1024 x 768	48.363	60
2	VGA	720 x 400	31.468	70	9	MAC	1024 x 768	60.123	75
3	VGA	640 x 480	31.469	60	10	VESA	1152 x 870	68.681	75
4	VESA	640 x 480	37.500	75	11	VESA	1152 x 900	61.805	65
5	VESA	800 x 600	37.879	60	12	VESA	1280 x 1024	63.981	60
6	VESA	800 x 600	46.875	75	13	VESA	1280 x 1024	79.976	75
7	VESA	832 x 624	49.725	74					

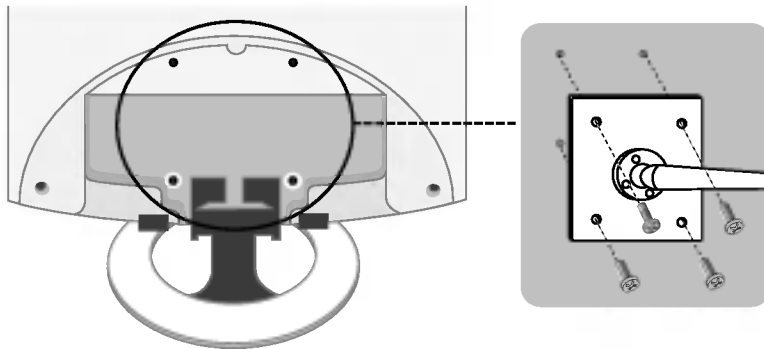
[19 inch]

Preset mode			Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Preset mode			Horizontal Frequency (kHz)	Vertical Frequency (Hz)
1	VGA	640 x 350	31.469	70	8	VESA	1024 x 768	48.363	60
2	VGA	720 x 400	31.468	70	9	MAC	1024 x 768	60.123	75
3	VGA	640 x 480	31.469	60	10	VESA	1152 x 870	68.681	75
4	VESA	640 x 480	37.500	75	11	VESA	1152 x 900	61.805	65
5	VESA	800 x 600	37.879	60	12	VESA	1280 x 1024	63.981	60
6	VESA	800 x 600	46.875	75	13	VESA	1280 x 1024	79.976	75
7	VESA	832 x 624	49.725	74					

● Power Indicator

Mode	Product
On Mode	Blue
Sleep Mode	Amber
Off Mode	Off

● VESA wall mounting



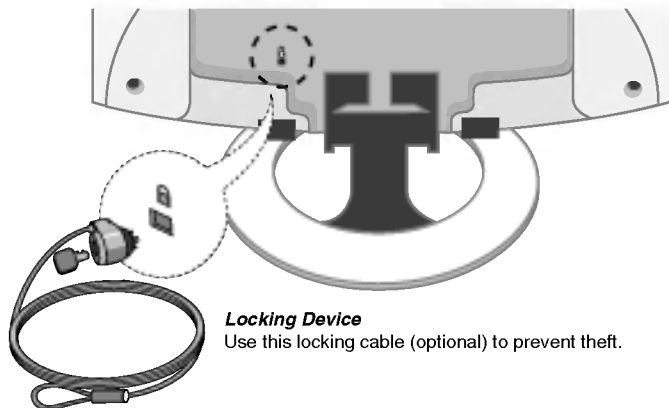
VESA wall mounting

Connected to another object (stand type and wall-mounted type).

This product accepts a VESA-compliant mounting interfacepad.(optional)

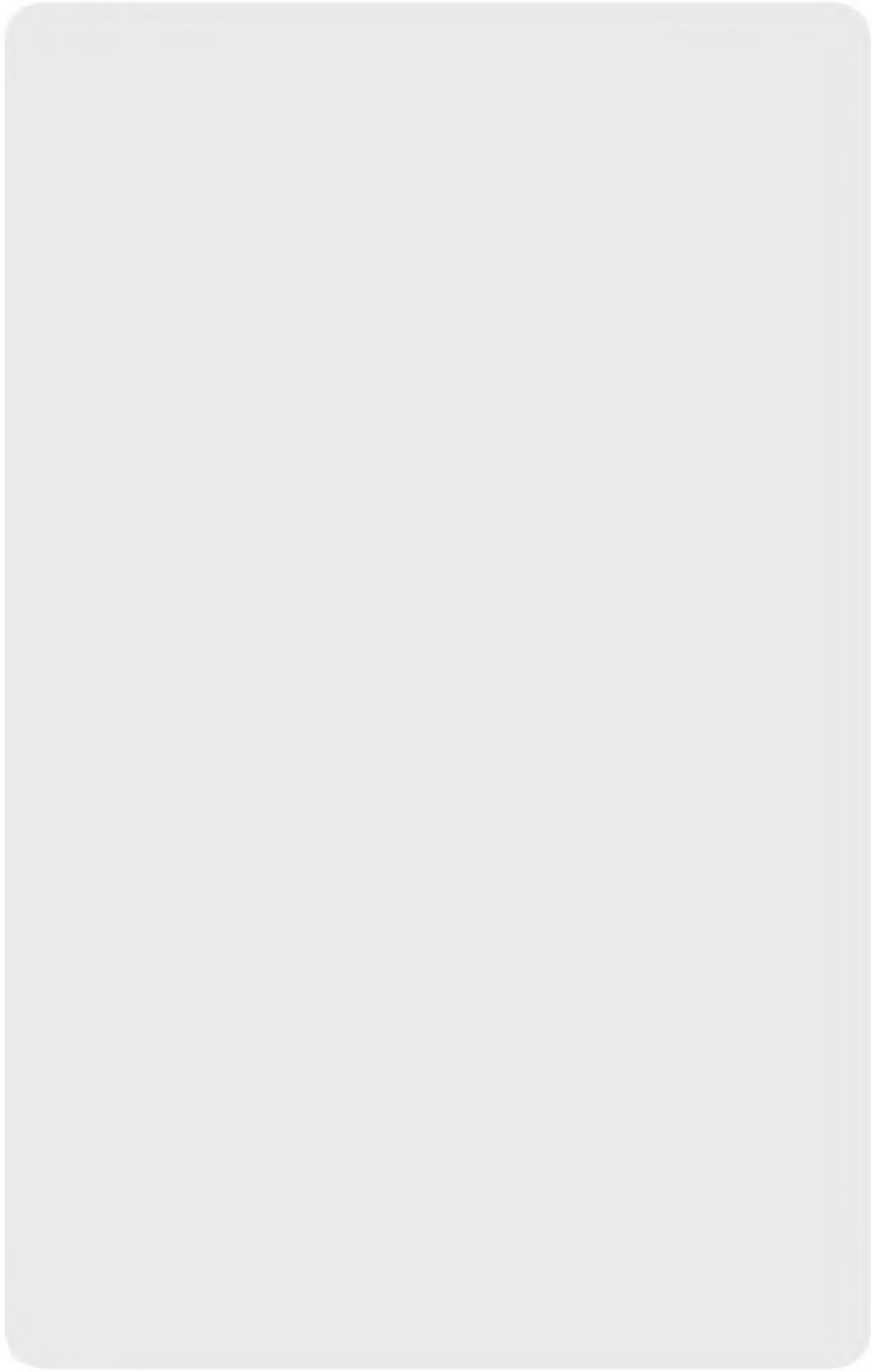
For further information, refer to the VESA Wall Mounting Instruction Guide.

● Theft prevention locking device



Locking Device

Use this locking cable (optional) to prevent theft.



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