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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.
- 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 monitor or sit upon it.
 If the monitor 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 monitor 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 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 the service center.
- 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.

▲ 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.
- 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.
- 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.
- Install the monitor where no EMI occurs.
- Keep the monitor away from direct sunlight.
 The monitor can be damaged.

ENGLISH

Electrical Power Related Precautions

A 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.
- 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, it 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.
- 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.

▲ Caution

Do not unplug the power cord while the monitor is in use.
 Electrical shock can damage the monitor.

Precautions in Moving the Monitor

A 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.



Safety Precautions

A 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.

Precautions in Using the Monitor

A 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.

Accessories

Please check the accessories in the product package. * The monitor and the accessories can be different from the figures shown here.



Monitor





DVI-A Signal Cable





0)<u>1-5</u> 0))1-5

Remote Controller/Batteries (AAA x 2)

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ENGLISH

DVI-D Signal Cable

Power Cord



User's Manual

/Diskette



RCA Cable

S-Video Cable





Audio Cable (PC)

Cable Holder (x 2)



Cable Cap



Colorific CD

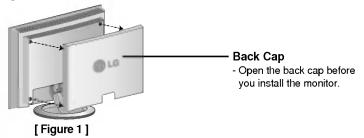


Accessories

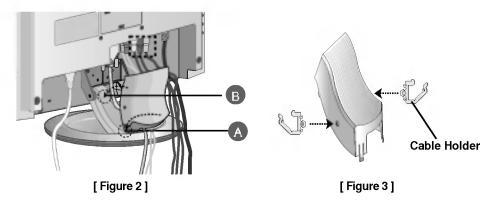
To arrange the cables



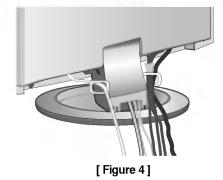
First, pull out the back cap attached to the rear of the monitor to detach, as shown in Figure 1.



Neatly connect the signal input cable and audio cable, as shown in Figure 2. Place the (a) and (b) cable cabs on the stand hole (in that order), and insert the cable holder into the grooves on both sides of the cable cab, as shown in Figure 3.



S Affix the power cord and antenna cable (not included) to the cable holder.



AS

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 outskirt area is expanded by more than 15:9. 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 outskirt 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.

ENGLISH

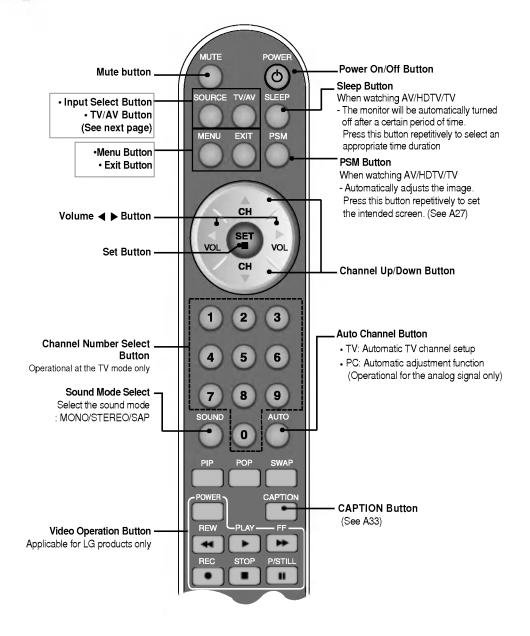
Sleep Function

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

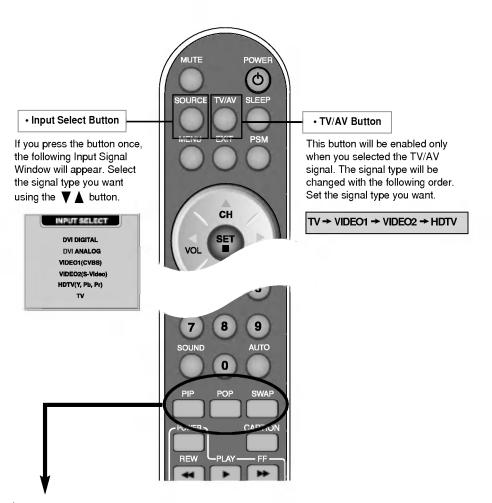
Press this button repetitively to select an appropriate time duration.

Name and Function of the Parts

Name of the Remote Controller Buttons



45

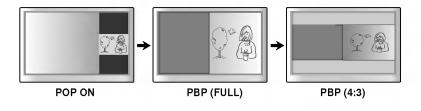


1. PIP (Picture in Picture) Button

The sub-screen moves to the next mode whenever you press this button. : Small -> Large -> Off

2. POP (Picture out Picture) Button

The sub-screen moves to the next mode whenever you press this button. : POP ON -> PBP(FULL) -> PBP(4:3) -> OFF

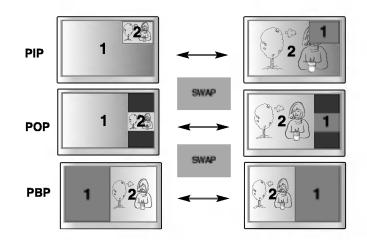




Name and Function of the Parts

3. Swap Button

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



When 'Input Signal 1' comes on in the main screen, only 'Input Signal 2' can be displayed on the sub-screen. On the contrary, if the main screen displays 'Input Signal 2', the sub-screen can display 'Input Signal 1' only. You can swap 'Input Signal 1' and 'Input Signal 2' using the SWAP button.

Main Screen Sub Screen	DVI-D	DVI-A	VIDEO1	VIDEO2	HDTV	τv
DVI-D	х	Х				•
DVI-A	Х	Х			х	
VIDEO1	•	•	Х	Х		х
VIDEO2		٠	X	Х		Х
HDTV	•	Х			Х	•
ΤV	•	•	х	х	•	х

<Table of PIP/POP/PBP Function Support>

Inserting batteries into remote controller.

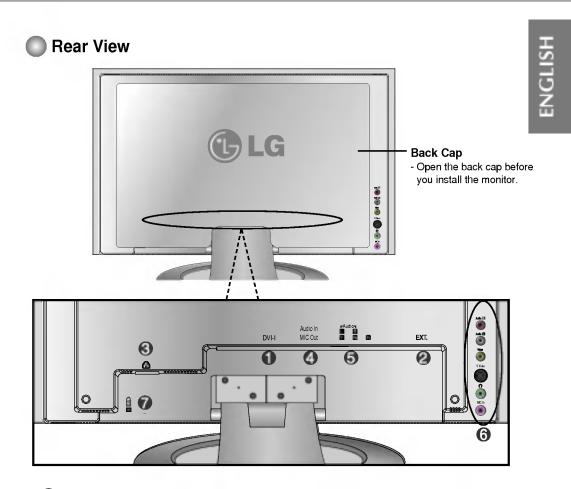
1. Take out the battery cap.

2. Insert the battery with correct polarity (+/-).

3. Close the battery cap.

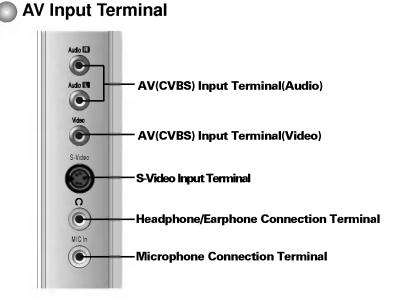
- You can use a remote controller 7 meter distance and 30 degree (left/right) within the receiving unit scope.
- Dispose of used batteries in the recycle bin to prevent environmental pollution.



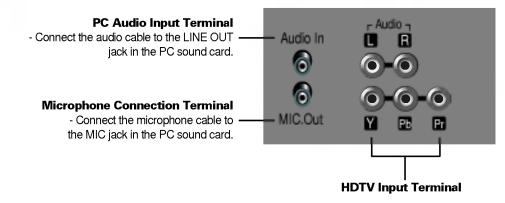


- DVI Digital Signal Connector (DVI-D or DVI-A)
- **2** TV Tuner Jack: Connect the antenna.
- Connect the power cord.
- **(4)** Connent to the jack in the PC sound card(See page A11).
- **G** HDTV Input Terminal
- AV Input Terminal
- Theft prevention locking device

Name and Function of the Parts



Sound card Connection Terminal / HDTV Input Terminal



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.



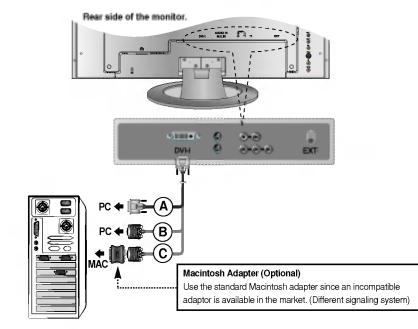
Connecting to External Devices

=== When Connecting to your PC

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

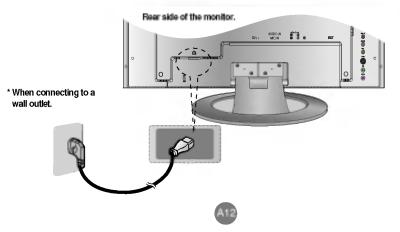
- (A) When connecting with the DVI-D signal input cable.
- (B) When connecting with the DVI-A signal input cable. (IBM compatible PC)

(C) When connecting with the DVI-A signal input cable. (Macintosh)

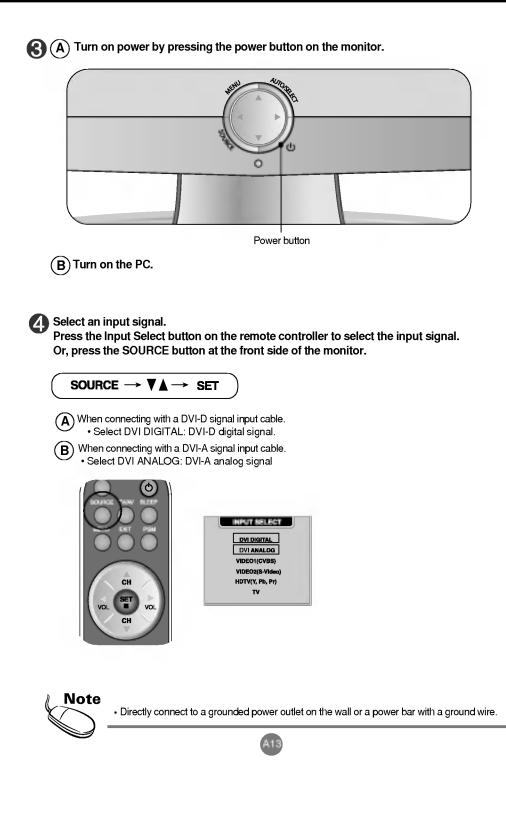


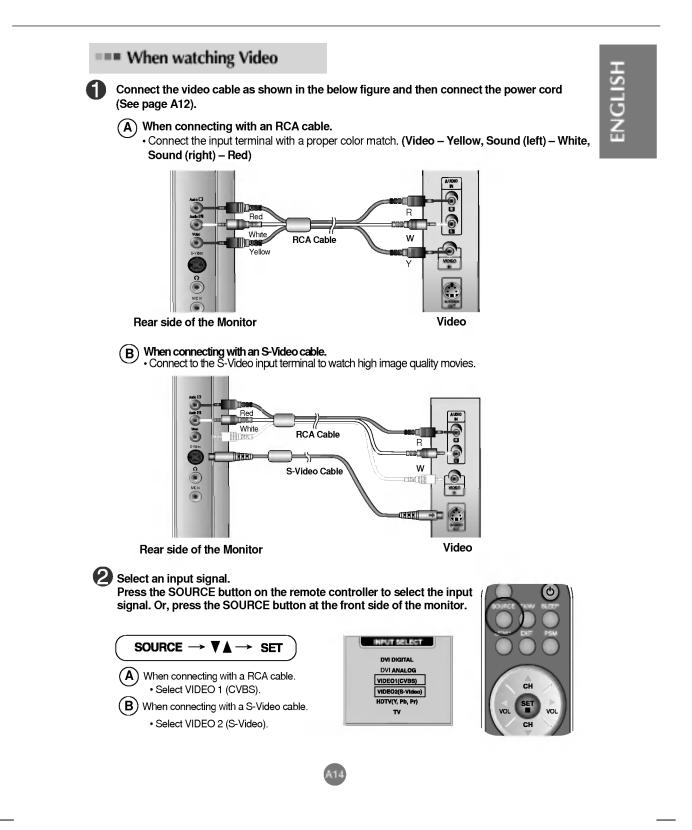


Connect the power cord.



Connecting to External Devices





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Connecting to External Devices

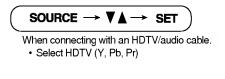
When watching HDTV (720p/1080i)

Connect the video/audio cable as shown in the below figure and then, connect the power cord (See page A12). · Connect the input terminal with a proper color match. - Audio -Audio In H 0 Rear side of the Monitor 0 O MIC Out Audio Cable HDTV Cable (optional) (optional) **HDTV Receiver** 0 5 ۲ Pr R

* The HDTV terminal also supports SDTV (480i/480p).

2 Select an input signal.

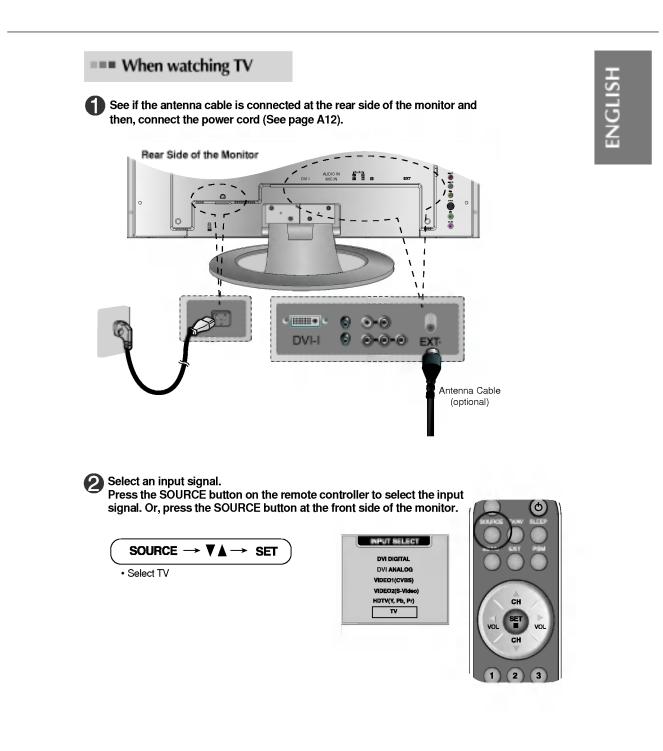
Press the SOURCE button on the remote controller to select the input signal. Or, press the SOURCE button at the front side of the monitor.

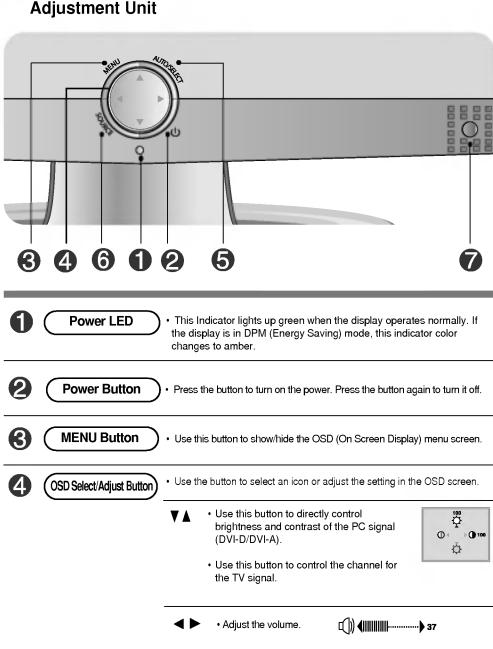












Name of the Buttons in the Screen Adjustment Unit

AUTO/SELECT B	Select the icon to adjust on the OSD screen.
	If you press the [AUTO/SELECT] button, automatic screen adjustment will be started. AUTO IN PROGRESS
	[Other signals that DVI-ANALOG] The current signal and mode information will be displayed.
3 SOURCE Butto	SOURCE → VA → AUTO/SELECT • Select the input signal DVI DIGITAL DVI digital signal DVI ANALOG DVI analog signal VIDEO1(CVBS) Composite video VIDEO2(S-Video) S-Video HDTV(Y, Pb, Pr) HD television TV Television
7 • The u	unit that receives the signal from the remote controller.
OSD Lock/Ur Menu button Use this button	
(Activated when CONTROLS I • OSD is loc	
	TON & VCHIP menu, it is also possible to lock/unlock the OSD screen

OSD Menu – When Connected to Your PC

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

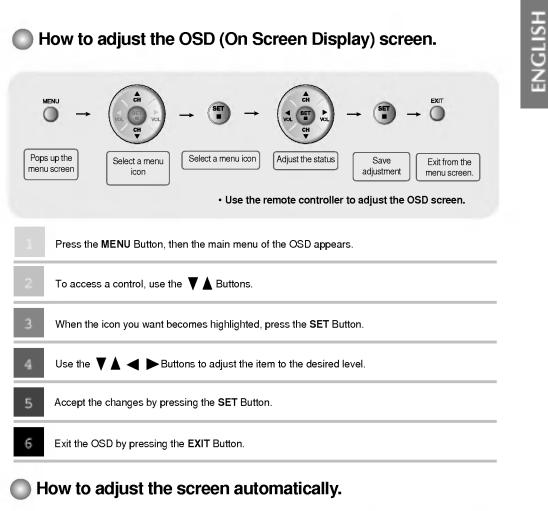
OSD Menu – When Watching Video/HDTV/TV

lcon	Function Description
CHEE > Channel Setup	Sets/Selects the channel. (available only when watching TV)
Video	Adjusts the screen video.
الال)) Audio	Adjusts the audio function.
Setup	Adjusts the screen status according to the circumstances.
PIP/POP/PBP	Adjusts PIP/POP/PBP mode function.
CAPTION&VCHIP	Adjusts the CAPTION&VCHIP function.



Note OSD(On Screen Display)

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



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.

Press the AUTO/SELECT button (**AUTO 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.



AUTO IN PROGRESS

=== OSD Menu – When Connected to Your PC

▲ Adjusting S	Screen Co	olor	
ADJUSTMENT	CONTRAST	To adjust the contrast of	the screen.
CONTRAST 4	BRIGHTNESS	To adjust the brightness	of the screen.
BRIGHTNESS 4 > 84 COLOR Image: Color and the second secon	COLOR	Adjusting screen color. F submenu for COLOR.	Press the 🕨 button to display the
AT UP / DOWN E SELECT			Selecting a factory setting color set. • 9300K: Slightly bluish white. • 6500K: Slightly reddish white. EN Set your own color levels.
	AUTO BRIGHTNESS CONTROL	an optimal state. If you set	djusts computer screen brightness to the menu to 'On,' the brightness will to the surrounding environment

Adjusting Screen CLOCK/PHASE and Position

TRACKING → AUTO → OFF CLOCK → 50	Αυτο	This function is suitable for analog signal input only. This button is for the automatic adjustment of the screen position, clock and phase.
CLOCK > 50 PHASE > 0 () > 0 () > 0 () > 0 () > 50 V VOSITION > > 47	CLOCK	To minimize any vertical bars or stripes visible on the screen background.The horizontal screen size will also change.
AV UP / DOWN = SELECT	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.
	H POSITION	To move image left or right
	V POSITION	To move image up or down.



When connected to your computer and the digital input signal (DVI-DIGITAL), only ADJUSTMENT, AUDIO, SETUP and PIP/POP/PBP menu are enabled. TRACKING menu items will be automatically adjusted.

Adjusting t	he aud	io function	ENGLISH
AUCHO SSM > USER AVL > OFF W/F > OFF BALANCE < > 0 BALANCE <	SSM	 The best sound tone quality will be selected automatically depending on the video type that you're currently watching. USER : Select this option to use the user-defined audio settings. FLAT : The most commanding and natural audio. MOVIE : Select this option to enjoy sublime sound. MUSIC : Select this option to enjoy the original sound when listening to the music. SPORTS : Select this option to watch sports broadcasting. 	ENG
	AVL	To adjust uneven sound volumes across all channels or signals automatically to the most appropriate level. To use this feature, select ON.	
	MUTE	Used to select mute ON(means sound off) and mute OFF(means sound on).	
	SRS WOW	Set the SRS WOW menu on. The SRS WOW function plays back the mono or stereo sound input with the dynamic surround effects. It will provide rich and profound sound tone. If you set the SRS WOW on, bass/treble will be automatically adjusted.	
	BALANCE	Use this function to balance sound from the left and right speakers.	
	BASS	To raises or lowers Bass level.	
	TREBLE	To raises or lowers Treble level.	



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When connected to your computer and the 'SSM' setting in the audio menu is one of FLAT, MOVIE, MUSIC or SPORTS, the available menus are AVL, MUTE and BALANCE.



Selecting the options



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

IMAGE SIZE To select the image size of the screen. (FULL/1:1)

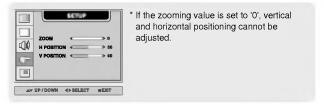
OSDTo adjust position of the OSD window on the screen.POSITIONPress the ▶ button to display the submenu for OSD
POSITION.



TRANSPARENCY To adjust the transparency of the OSD menu screen.

ZOOM

M Use this function to zoom in the screen. When you turn the monitor off and on again, the default screen size will be restored. Press the ▶ button to display the submenu for OSD POSITION.



RESET

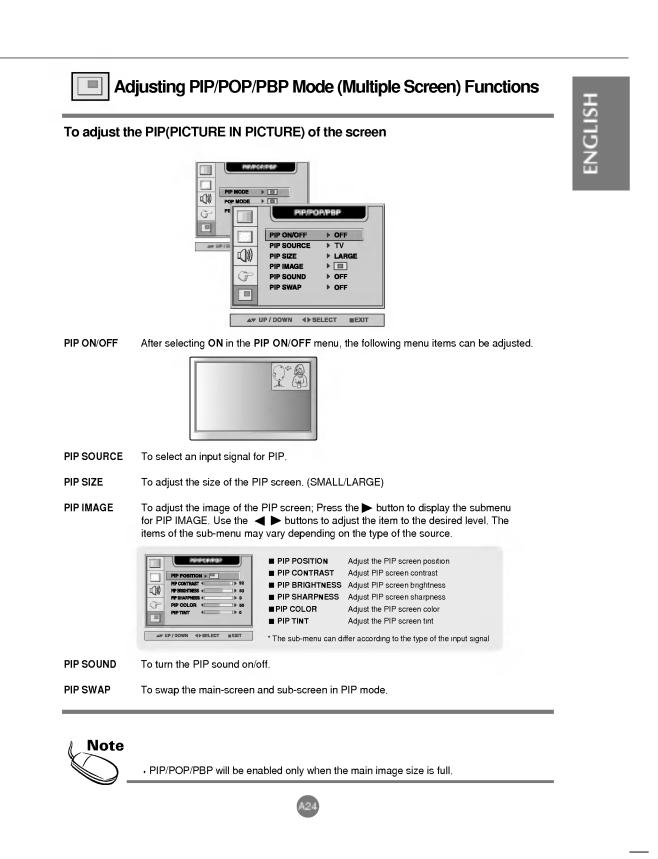
Use this function to reset the monitor to the factory default. However, language selection will not be initialized.



When you use the computer

- The "IMAGE SIZE" and "ZOOM" menus are disabled when the input signal is a digital signal (DVI-DIGITAL).

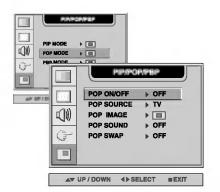
- The "IMAGE SIZE" and "ZOOM" menus are disabled if the resolution is higher than
- recommended one (1280x768) when the input signal is an analog signal (DVI-ANALOG).
- The Zoom menu will be disabled if the screen size is 1:1 or PIP/POP/PBP is in use.



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Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

To adjust the POP(PICTURE OUT PICTURE) of the screen



POP ON/OFF After selecting ON in the POP ON/OFF menu, the following menu items can be adjusted.



POP SOURCE To select an input signal for POP.

POP IMAGE To adjust the image of the POP screen; Press the ▶ button to display the submenu for POP IMAGE. Use the ◀ ▶ buttons to adjust the item to the desired level.

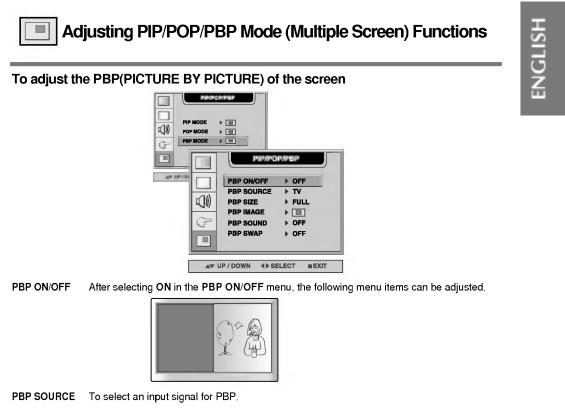


POP SOUND

To turn the POP sound on/off.

POP SWAP

To swap the main-screen and sub-screen in POP mode.



- PBP SIZE To adjust the size of the PBP screen. (FULL/4:3)
- PBP IMAGE
 To adjust the image of the PBP screen; Press the ▶ button to display the submenu for PBP IMAGE. Use the ◀ ▶ buttons to adjust the item to the desired level. The items of the sub-menu may vary depending on the type of the source.

PBP CONTRAST In R2 PRP SRIGHTKBS (I) + 63 PBP SRIGHTKBS (I) + 63 PBP POLOR + 60 PBP FOLOR + 60 PBP TINT > 0	 PBP CONTRAST PBP BRIGHTNESS PBP SHARPNESS PBP COLOR PBP TINT 	Adjust PBP screen contrast Adjust PBP screen brightness Adjust PBP screen sharpness Adjust the PBP screen color Adjust the PBP screen tint
AT UP / DOWN 4> SELECT BEXIT	* The sub-menu can diff	er according to the type of the input signa

PBP SOUND

To turn the PBP sound on/off.

PBP SWAP To swap the main-screen and sub-screen in PBP mode.

=== OSD Menu - When Watching Video/HDTV/TV

Setting up the channel - Available only when watching TV.		
CHANNEL SETUP AUTO CHANNEL > OFF ()) CHANNEL > 123 ADD/DEL CH > ADD	AUTO CHANNEL CHANNEL	To automatically search the available channels. Select On using◀ ▶to start automatic channel setup. To change the channel.
FINE TUNE () 50	ADD/DEL.CH	To add/delete the selected channels.
AV UP / DOWN ESELECT	FINE TUNE	To adjust the channel quality. Adjust the screen using ◀ ▶ until you can see a sharp screen.

Adjusting Screen Image

CHEE		NDEO	PSM
	PSM CONTRAST BRIGHTNESS SHARPNESS COLOR TINT	<>	60 60
	UP / DOWN	SELECT	

PSM	 The PSM function automatically adjusts the screen image quality depending on the AV/TV usage environment. USER : Select this option to use the user-defined settings. GAME : Select this option to enjoy dynamic image when playing a game. STANDARD : The most general and natural screen display status. DYNAMIC : Select this option to display with a sharp image. MILD : Select this option to display with a mild image.
CONTRAST	To adjust the contrast of the screen.
BRIGHTNESS	To adjust the brightness of the screen.
SHARPNESS	To adjust the clearness of the screen.
COLOR	To adjust the color to desired level.
TINT	To adjust the tint to desired level. This function is available only in NTSC broadcasting mode.



If the 'PSM' setting in the Video menu is set to GAME, STANDARD, DYNAMIC or MILD the subsequent menus will be automatically set.

Adjusting t	he audi	o function
AUDO SSM > USER AVL > OFF SSW WW > OFF SUND > MONO MUTE > OFF BALANCE > 50 TREBLE > 50 AVUP / DOWN # SELECT	SSM	 The best sound tone quality will be selected automatically depending on the video type that you're currently watching. USER : Select this option to use the user-defined audio settings. FLAT : The most commanding and natural audio. MOVIE : Select this option to enjoy sublime sound. MUSIC : Select this option to enjoy the original sound when listening to the music. SPORTS : Select this option to watch sports broadcasting.
	AVL	To adjust uneven sound volumes across all channels or signals automatically to the most appropriate level. To use this feature, select ON.
	SRS WOW	Set the SRS WOW menu on. The SRS WOW function plays back the mono or stereo sound input with the dynamic surround effects. It will provide rich and profound sound tone. If you set the SRS WOW on, bass/treble will be automatically adjusted.
	SOUND	To select the audio mode. : MONO/STEREO/SAP
	MUTE	Used to select mute ON(means sound off) and mute OFF(means sound on).
	BALANCE	Use this function to balance sound from the left and right speakers.
	BASS	To raises or lowers Bass level.
	TREBLE	To raises or lowers Treble level.



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If the 'SSM' setting in the audio menu is one of FLAT, MOVIE, MUSIC or SPORTS, the available menus are AVL, SOUND, MUTE and BALANCE. Other menu items will be automatically adjusted.



Selecting the options

CHEE	SETUP	
	LANGUAGE > ENGLISH IMAGE SIZE > FULL OSD POSITION > = TRABSOAREDCT < = > 20 ZOOM > = RESET > OFF	
百		

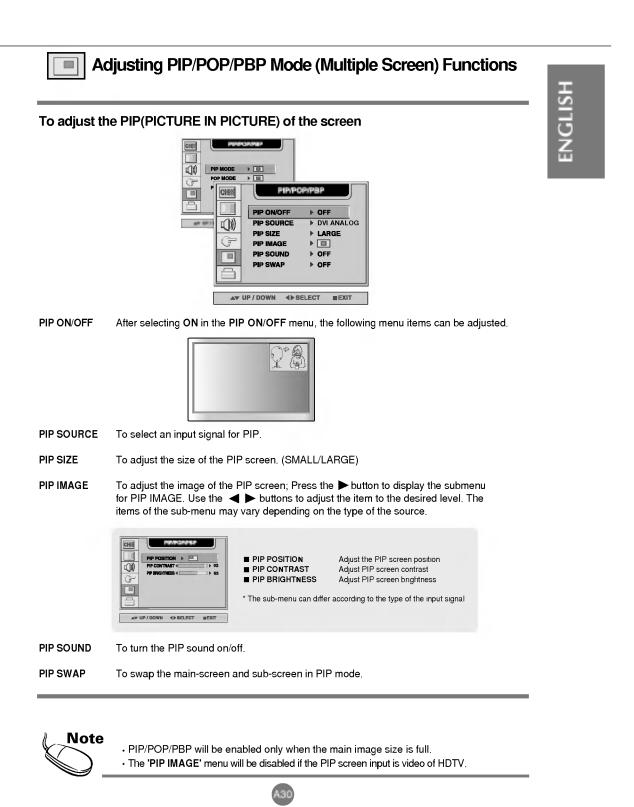
LANGUAGE	To choose the language in which the control names are displayed.	
IMAGE SIZE	To select the image size of the screen. (FULL/4:3/SPECTACLE/1:1)	
OSD POSITION	To adjust position of the OSD window on the screen. Press the ▶ button to display the submenu for OSD POSITION.	
	Left Right Moving the OSD screen position horizontally	
TRANS -PARENCY	To adjust the transparency of the OSD menu screen.	
ZOOM	Use this function to zoom in the screen. When you turn the monitor off and on again, the default screen size will be restored. Press the ▶ button to display the submenu for OSD POSITION.	
	and horizontal positioning cannot be adjusted.	
RESET	Use this function to reset the monitor to the factory default. However, language selection will not be initialized.	



 \cdot The "IMAGE SIZE" and "ZOOM" menus are disabled at the recommended higher resolution (780p) when the input signal is HDTV.

• The 'ZOOM' menu will be disabled when the screen size is 4:3, spectacle or 1:1, or PIP/POP/PBP is activated.

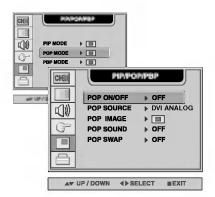






Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

To adjust the POP(PICTURE OUT PICTURE) of the screen



POP ON/OFF After selecting ON in the POP ON/OFF menu, the following menu items can be adjusted.



POP SOURCE To select an input signal for POP.

POP IMAGE To adjust the image of the POP screen; Press the ▶ button to display the submenu for POP IMAGE. Use the ◀ ▶ buttons to adjust the item to the desired level.



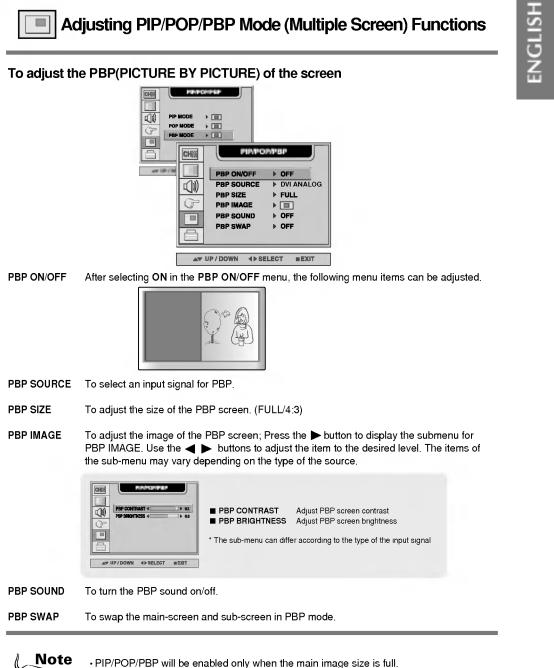
POP SOUND To turn the POP sound on/off.

POP SWAP To swap the main-screen and sub-screen in POP mode.



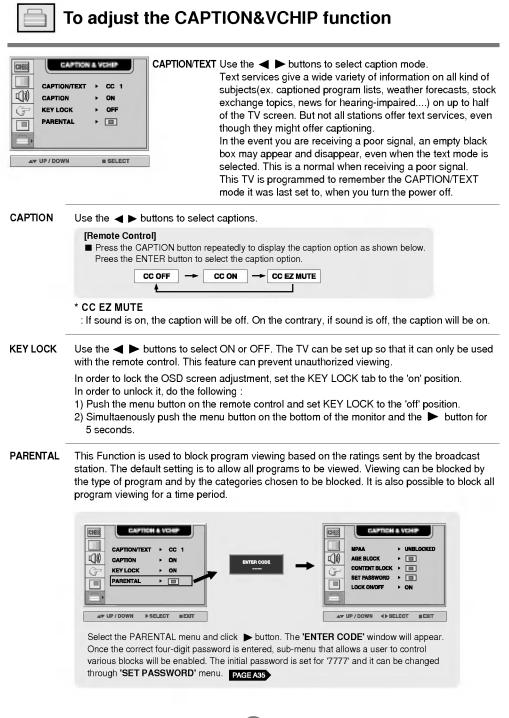
PIP/POP/PBP will be enabled only when the main image size is full.
The 'POP IMAGE' menu will be disabled if the POP screen input is video of HDTV.





PIP/POP/PBP will be enabled only when the main image size is full.
 The 'PBP IMAGE' menu will be disabled if the PBP screen input is video of HDTV.

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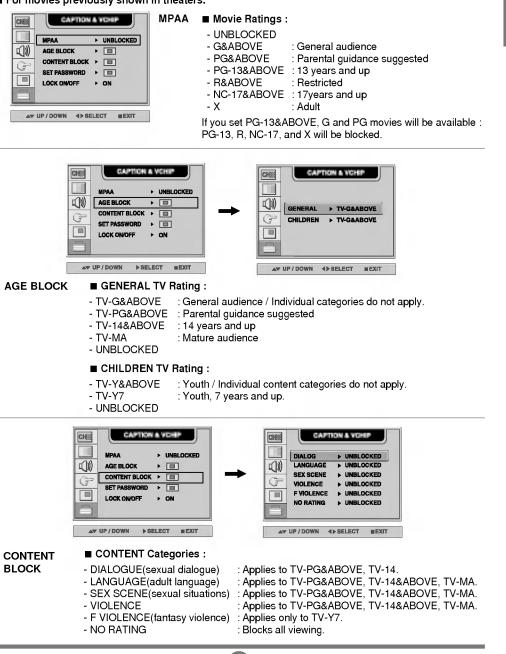


V-CHIP rating and categories

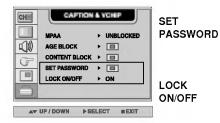
- Rating guidelines are provided by broadcast station. Most television programs and television movies can be blocked by TV rating and/or individual categories. Movies that have been shown at the theaters or direct-to-video movies use the Movies Rating System(MPAA) only.

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■ For movies previously shown in theaters.







This menu is to be used to change passwords. Once the correct current password is entered using the number panel in a remote control, the window for new password will appear. Enter your choice of new four-digit password.

To select the VCHIP function ON/OFF.

Setting a password

You control access to the parental controls with a password. The default passworld is '7777'. You can change the password to any four-digit number.

- Open the OSD. -> Press the V ▲ buttons to select the CAPTION&VCHIP menu, then press SET to open the menu. -> Press the V ▲ buttons to select the PARENTAL sub-menu, then press the button to open the sub-menu.
- **2.** Use the number pad to enter your password when prompted. If you have not set a passwod, enter 7777. If you have forgotten your password, enter 7777.



3. Press the ▼ ▲ buttons to select the SET PASSWORD sub-menu, then press the ▶ button to change the setting. Use the number button pad to enter a new four-digit password when prompted.



4. Re-enter the new four-digit password when prompted.





Closed Captions

Closed captioning is a process which converts the audio portion of a television program into written words which then appear as subtitles on the television screen. Closed captions allow viewers to read the dialogue and narration of television programs.

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Using Closed Captions

Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. It is possible to caption a live program by using a process called real-time captioning, which creates captions instantly. Real-time captioning is normally done by professional reporters using a machine shorthand system and computer for translation into English.

Captioning is an effective system for the hearing-impaired, and it can also aid in teaching language skills.

Caption Tips

1. Not all TV broadcasts include closed caption signals.

- Sometimes TV stations broadcasts four different caption signals on the same channel. By selecting From CC1 ~ CC4, TEXT1 ~ TEXT4 you can choose which signal you view CC1 is usually the signal with the captions, while Another mode might show demonstration or programming information.
- ${f 3.}$ Your TV might not receive caption signals normally in the following situations.
- Poor reception conditions are encountered :

- IGNITION :

Picture may flutter, drift, suffer from black spots, or horizontal streaking. Usually caused by interference from automobile ignition systems, neon lamps, electrical drills, and other electrical appliances.

- GHOSTS :

Ghosts are caused when the TV signal splits and follows two paths. One is the direct path and the other is reflected off tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception.

- SNOW :

If your receiver is located at the weak, fringe area of a TV signal, your picture may be marred by small dots. It may be necessary to install a special antenna to improve the picture.

An old, bad or illegally recorded tape is playing.

- Strong, random signals from a car or airplane interfere with the TV signal.
- The signal from the antenna is weak.
- The program wasn't captioned when it was produced, transmitted, or taped.

Troubleshooting

No image is displayed

- Is the monitor power cord connected?
- Does the power LED is turned on?
- Power is on, power LED is green but the screen appears extremely dark.
- Does the power LED look amber?
- Does the 'Out of Range' message appear?
- Does the 'Check Signal Cable' message appear?

- See if the power cord is properly connected to the outlet.
- See if the power switch is turned on.
- Adjust brightness (Q) and contrast (D) again.
- If the monitor 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 monitor. Adjust the frequency range by referring to the Specifications in this manual.
 - * Maximum resolution DVI-A : 1280 x 1024 @60Hz DVI-D : 1280 x 1024 @60Hz
- The signal cable between PC and monitor is not connected. Check the signal cable.
- Press the 'SOURCE' button in the remote controller to check the input signal.

'Unknown Monitor' message appears when the monitor is connected.

Did you install the driver?

- Install the monitor driver, which is provided with the monitor, 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 manual.

'Controls Locked' message appears.

The "Controls locked" message appears when pressing the Menu button. The control locking function prevents unintentional OSD setting change due to careless usage. To unlock the controls, simultaneously press the Menu button and ▶ button for 5 seconds. (You cannot set this function using the remote controller buttons. You can set this function in the monitor only.)

Note

* Vertical frequency: To enable the user to watch the monitor 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.

Troubleshooting

The screen imag	ge looks abnormal.
Is the screen position wrong?	 DVI-A analog signal – Press the "AUTO" button in the remote controller 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 monitor. 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?	• DVI-A analog signal – Press the "AUTO" button in the remote controller 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.	 DVI-A analog signal – Press the "AUTO" button in the remote controller to automatically select an optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Phase OSD menu.
Unable to adjust the horizontal / vertical position in the Zoom menu.	 See if the Zoom value is set to 0. If it is, you cannot adjust the H/V Position value.
Screen size is automatically adjusted when connected to the PC.	 If the screen size is not full when connected to the PC, execute the PIP/POP/PBP to change to full screen mode.
No sound appears in the TV channel display window.	 See if the TV sound is set to mono. If it is, the sound will not be displayed.
Brightness differs in the main and sub screen when connected to the PC.	• You cannot adjust brightness in the PIP/POP/PBP Screen menu for the sub-screen among PIP/POP/PBP menus. Therefore, brightness can be different for the sub-screen.

After-image appears on the monitor.

After-image appears when the monitor is turned off.

• If you use a fixed image for a long time, the pixels may be damaged quickly. Use the screensaver function.

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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.
- No sound is available when the PIP/POP/PBP mode is engaged.
- Sound is too dull.

- See if the Sound is set to On in the PIP/POP/PBP menu.
- · Select the appropriate treble sound.
- Select the appropriate bass sound.

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.

The "IMAGE SIZE" function in the OSD menu does not work.

- The "IMAGE SIZE" function in the OSD menu does not work.
- See if the PIP/POP/PBP function is in use. If the PIP/POP/PBP function is in use, the "IMAGE SIZE" function may not work.

Screen color is abnormal.

• Set the number of colors to more than 24 bits (true Screen has poor color resolution (16) color) colors). Select Control Panel - Display - Settings - Color Table menu in Windows. · Check the connection status of the signal cable. Screen color is unstable or mono-Or, re-insert the PC video card. colored. • Several pixels (red, green, white or black color) Do black spots appear on the may appear on the screen, which can be screen? 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.

LCD Panel	Screen Type Pixel Pitch	17 inches (43.438cm) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 43.438cm 0.291mm
Video Signal	Max. Resolution	DVI-A : 1280 X 1024 @60Hz DVI-D : 1280 X 1024 @60Hz
	Recommended Resolution	DVI-A : WXGA 1280 X 768 @60Hz DVI-D : WXGA 1280 X 768 @60Hz
	Horizontal Frequency	DVI-A : 30 - 66 kHz DVI-D : 30 - 66 kHz
	Vertical Frequency	56 - 85 Hz
	Synchronization Type	Separate/Composite/SOG (Sync On Green)/Digital
Input Connector		DVI-A(analog), DVI-D (digital), S-Video, Composite video, HDTV, TV
Power	Rated Voltage Power Consumption	AC 100-240V~ 50/60Hz 1.1A Normal operation: 70W Power saving preparation state: \leq 5W Power saving state: \leq 5W Power switch on: \leq 5W
Dimension/Weight	Size (WxLxH) Weight (excl. package)	505.5mm x 231.5 mm x 365mm 6.6 kg
Environmental Conditions	Operational Condition Storage Condition	Temperature: 10°C ~ 35°C , Humidity: 10% ~ 80% Temperature: -20°C ~ 60°C , Humidity: 5% ~ 95%

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Specifications

PC Mode – Preset Mode

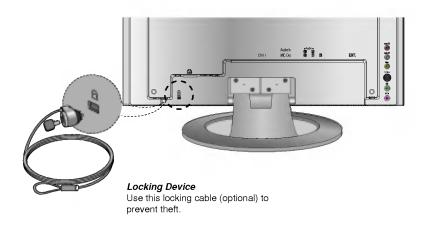
	Preset mode	Horizontal Frequency (kHz)	Vertical Frequency (kHz)		Preset mode	Horizontal Frequency (kHz)	Vertical Frequency (kHz)
1	VGA 640 x 350	31.469	70	8	VESA 800 x 600	53.674	85
2	VGA 720 x 400	31.468	70	9	MAC 832 x 624	49.725	75
3	VGA 640 x 480	31.469	60	10	VESA 1024 x 768	48.363	60
4	VESA 640 x 480	37.500	75	11	VESA 1024 x 768	60.123	75
5	VESA 640 x 480	43.269	85	12	VESA1280 x 1024	63.981	60
6	VESA 800 x 600	37.879	60	13	VESA 1280 x 768	47.7	60
7	VESA 800 x 600	46.875	75				



Power LED

F	Preset mode	Horizontal Frequency (kHz)	Vertical Frequency (kHz)
1	720 x 483	31.50	59.94
2	1280x 720	45.00	60.00
3	1280x 720	44.96	59.94
4	1920x 1080	33.75	60.00
5	1920x 1080	33.72	59.94

Mode	Monitor
Normal Operation	Green
Pre-power Saving State	Amber
Power Saving State	Amber
Power Switch Off	-



Specifications

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No.	Signal
1	T. M. D. S. Data 2-
2	T. M. D. S. Data 2+
3	T. M. D. S. Data 2/4 Shield
4	T. M. D. S. Data 4-
5	T. M. D. S. Data 4+
6	DDC Clock
7	DDC Data
8	Analog Vertical Synchronization
9	T. M. D. S. Data 1-
10	T. M. D. S. Data 1+
11	T. M. D. S. Data 1/3 Shield
12	T. M. D. S. Data 3-
13	T. M. D. S. Data 3+
14	+5V Power
15	Grounding (return for +5V, horizontal sync and vertical sync)
16	Hot Plug Detect
17	T. M. D. S. Data 0-
18	T. M. D. S. Data 0+
19	T. M. D. S. Data 0/5 Shield
20	T. M. D. S. Data 5-
21	T. M. D. S. Data 5+
	T. M. D. S. Clock Shield
	T. M. D. S. Clock+
24	T. M. D. S. Clock

T.M.D.S. (Transition Minimized Differential Signaling)