

Introduction

The Monitor has an active matrix TFT (Thin-Film Transistor) LCD (Liquid Crystal Display).

This monitor is designed for use in small working areas or for those who need more working space on the desk.

ENGLISH

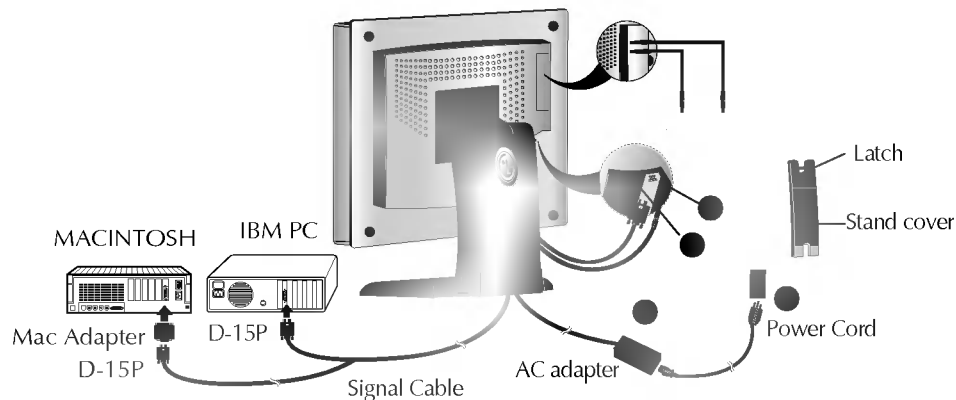
Features

- The Monitor is a 15inch (15 inches viewable) intelligent microprocessor based monitor.
- Digitally controlled auto-scanning is done with the microprocessor for horizontal scan frequencies between 31 and 61kHz, and vertical scan frequencies between 56 and 75Hz.
- The microprocessor-based digital controls allow you to adjust conveniently a variety of image controls by using the OSD (On Screen Display).
- The monitor is shipped with 14 factory pre-programmed video modes that are permanently resident. In addition, there are 16 user-storable modes, for a total of 30 memory modes.
- Plug and play capability if supported by your system.
- This monitor has DDC 2B function.*
- Compliant with the following regulated specifications :*
 - EPA ENERGY STAR
 - Swedish TCO'95

*For detailed information, please refer to the *Reference Guide* provided.

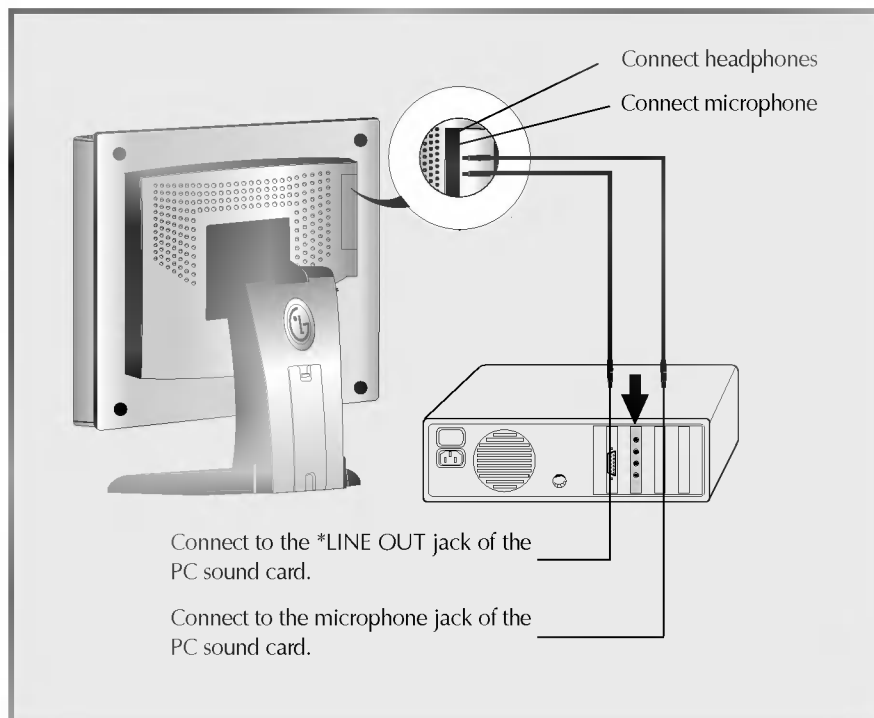
To set up the monitor, ensure that the power is turned off to the monitor, computer system, and other attached devices, then follow these steps:

- Place the monitor in a convenient, well-ventilated location near your computer.
- Power off both the monitor and Computer.
- Slightly press and pull the latch on Stand cover.
- Connect the end of monitor signal cable to the connector● at the rear panel of your monitor through the slot and cable holder on Stand. Connect the other end to the 15-pin connector on the rear panel of the computer and tighten the screws. Be sure the signal cable aligns with the 15-pin connector.
- Connect the end of monitor signal cable to the connector● at the rear panel of your monitor through the slot and cable holder on Stand. Connect the other end of the monitor signal cable to the rear panel of Macintosh computer through a Macintosh adapter and then tighten screws.
- Connect the plug from the AC adapter into the base of the monitor.● Connect one end of the AC power cord to the AC adapter ● and the other end to a properly grounded AC outlet that is easily accessible and close to the monitor.●
- After connecting cables, put stand cover correctly into the holes unders stand. If securely connected, you can hear click sound from the latch.
- Power ON the PC, then the monitor.
- If you see the NO SIGNAL message, check the signal cable and connectors.
- After using the system, power OFF the monitor, then the PC.



*** NOTE :** If you see the "OUT OF RANGE" message, check to make sure your system is set to one of the factory preset modes.(see page A9)

Connection the Audio



If the Audio Out of the PC sound card supports both Speaker Out and Line Out, convert to Line Out using the card jumper or the program. (Refer to the Sound Card Manual.)
(If the Audio Out of the PC sound card has only Speaker Out, reduce the PC volume.)

NOTE :

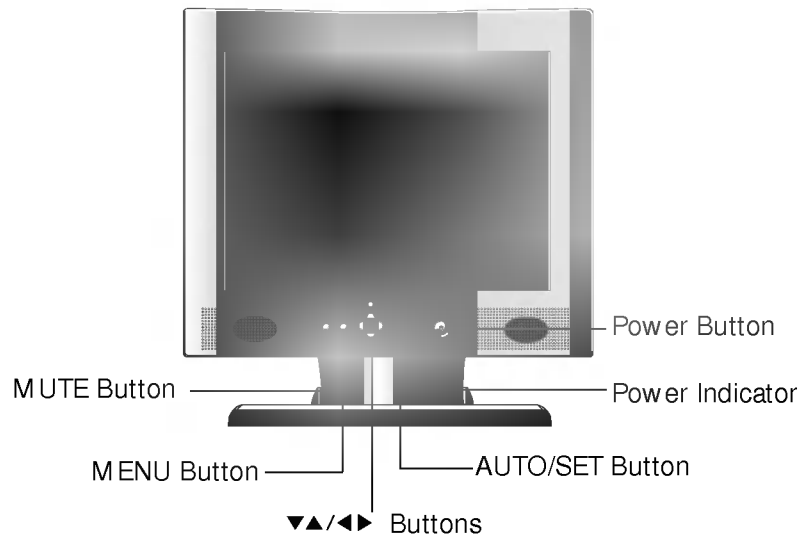
* Line Out: a terminal used to connect to the speaker including a built-in amplifier (Amp).

- Speaker Out: a terminal used to connect to the speaker without a built-in amplifier (Amp). (The described models are monitors with a built-in amplifier (Amp)).

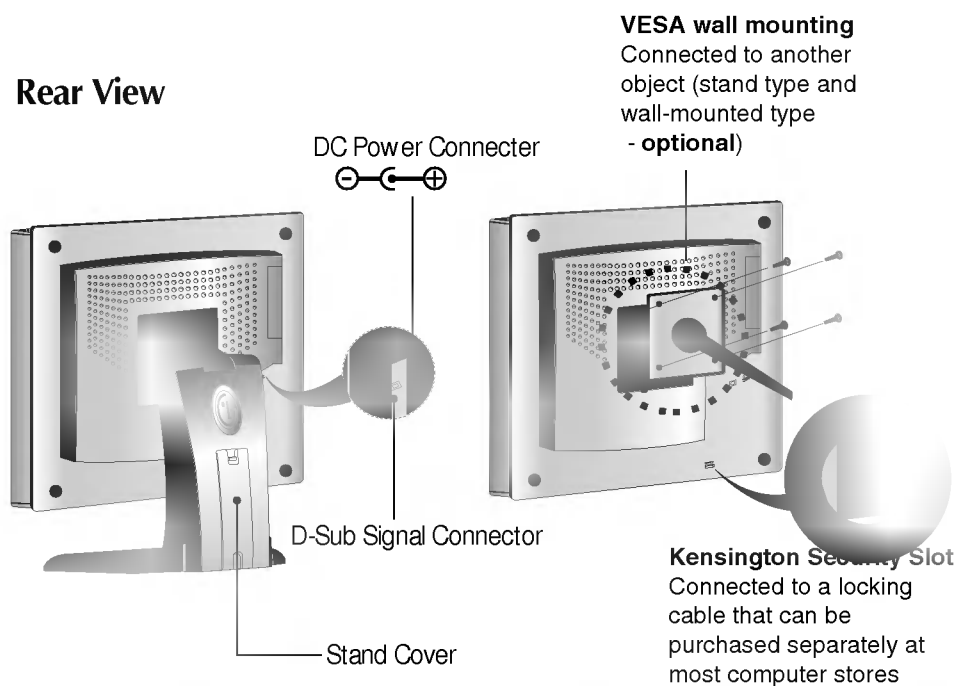
Make sure that the connecting terminal of the PC sound card is checked before connecting.

Location and Function of Controls

Front View

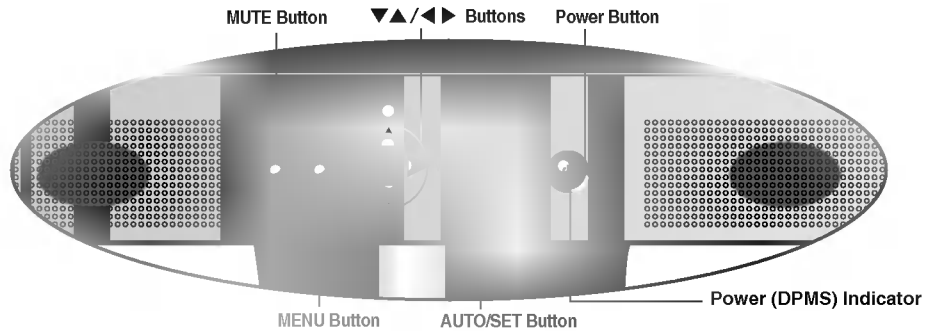


Rear View



NOTE : This monitor accept a 75mm x 75mm VESA-compliant mounting interface pad.

Front Panel Controls



Control	Function
 MUTE Button	Use this button to turn the audio on or off.
 MENU Button	Use this button to enter and from the on screen display (OSD).
 ▼▲/◀▶ Buttons	Use these buttons to choose or adjust items in the on screen display.
 ▼▲ Buttons	Use these buttons to control the screen brightness.
 ◀▶ Buttons	Use these buttons to control the volume.
 AUTO/SET Button	Use this button to enter a selection in the on screen display. * AUTO adjustment function Touch the AUTO/SET button before using OSD menu. This button is for the automatic adjustment of the screen position, clock and phase. Note: Some signal from some graphics boards may not function properly. If the results are unsatisfactory , adjust your monitor's Position, Clock and Phase manually.
 Power (DPMS) Indicator	This indicator lights up green when the monitor operates normally. If the monitor is in DPM (Energy Saving) mode (stand-by/ suspend/power off), this indicator color changes to amber.
 Power Button	Use this button to turn the monitor on or off.

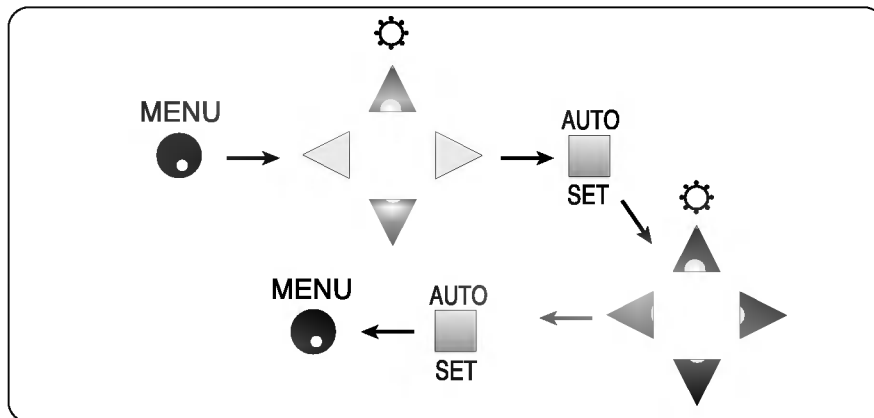
On Screen Display (OSD) Control Adjustment

Making adjustments to the image size, position and operating parameters of the monitor are quick and easy with the On Screen Display Control system. A quick example is given below to familiarize you with the use of the controls. Following section is an outline of the available adjustments and selections you can make using the OSD.

NOTE

- Allow the monitor to stabilize for at least 30 minutes before making image adjustment.

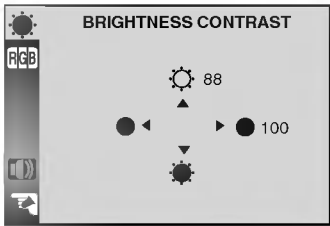
To make adjustments in the On Screen Display, follow these steps:



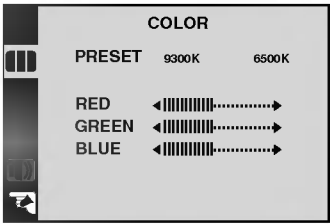
- 1 Press the **MENU** Button, then the main menu of the OSD appears.
- 2 To access a control, use the **▼▲** Buttons. When the icon you want becomes highlighted, press the **AUTO/SET** Button.
- 3 Use the **▼▲/◀▶** Buttons to adjust the item to the desired level.
- 4 Accept the changes by pressing the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



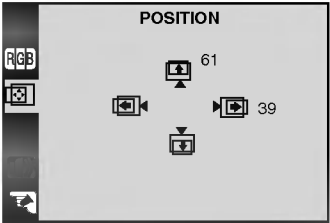
You were introduced to the procedure of selection and adjusting an item using the OSD system. Listed below are the icons, icon names, and icon descriptions of the items that are shown on the Menu.



-   **Brightness**
Used to adjust the brightness of the screen.
-   **Contrast**
Adjust the display to the contrast desired.

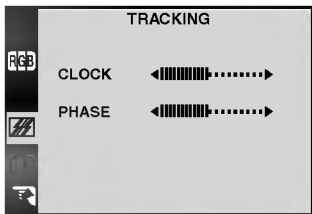


- PRESET 9300K/ 6500K**
To appear the displays color temperature.
• 9300K:Slightly bluish white.
• 6500K:Slightly reddish white.
- RED** To set your own color levels.
- GREEN** To set your own color levels.
- BLUE** To set your own color levels.

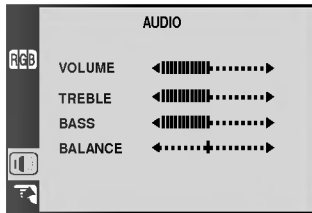


-   **Vertical Positio**
To move image up and down.
-   **Horizontal Position**
To move picture image left and right.

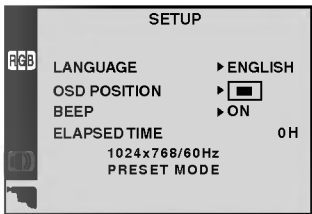
On Screen Display(OSD) Selection and Adjustment



- 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.



- VOLUME** Used to adjust the volume.
- TREBLE** Used to adjust the treble.
- BASS** Used to adjust the bass.
- BALANCE** Used to adjust the balance.



- LANGUAGE** To choose the language in which the control names are displayed.
- OSD POSITION** To adjust position of the OSD window on the screen.
- BEEP** To select beep ON or OFF.
- ELAPSED TIME** To display the use time of monitor

Video Memory Modes

The monitor has 30 memory locations for display modes, 14 of which are factory preset to popular video modes.

Display Modes (Resolution)

Display Modes (Resolution)			Horizontal Freq.(kHz)	Vertical Freq.(Hz)
1	VGA	640 x 350	31.47	70
2	VGA	720 x 400	31.47	70
3	VGA	640 x 480	31.47	60
4	MAC	640 x 480	35.00	67
5	VESA	640 x 480	37.86	73
6	VESA	640 x 480	37.50	75
7	VESA	800 x 600	35.16	56
8	VESA	800 x 600	37.88	60
9	VESA	800 x 600	48.08	72
10	VESA	800 x 600	46.88	75
11	MAC	832 x 624	49.72	75
12	VESA	1024 x 768	48.36	60
13	VESA	1024 x 768	56.48	70
14	VESA	1024 x 768	60.02	75

User Modes

- Modes 15-30 are empty and can accept new video data. If the monitor detects a new video mode that has not been present before or is not one of the preset modes, it stores the new mode automatically in one of the empty modes starting with mode 15.

If you use up the 16 blank modes and still have more new video modes, the monitor replaces the information in the user modes starting with mode 15.

Troubleshooting

Check the following before calling for service.

Display Position is incorrect.

- Push the AUTO/SET Button.
- If the results are unsatisfactory, adjust the image position using the H position and V position icon in the on screen display.

On the screen background, vertical bars or stripes are visible.

- Push the AUTO/SET Button.
- If the results are unsatisfactory, decrease the vertical bars or stripes using the CLOCK icon in the on screen display.

Any horizontal noise appearing in any image or characters are not clearly portraided.

- Push the AUTO/SET Button.
- If the results are unsatisfactory, decrease the horizontal bars using the PHASE icon in the on screen display.

NO SIGNAL message.

- The signal cable is not connected, or is loose. Check and secure the connection.

OUT OF RANGE message appears.

Picture is blank.

- The frequency of the signal from the video card is outside the operating range of the monitor.

Horizontal Frequency: 31kHz-61kHz

Vertical Frequency: 56Hz-75Hz

* Use the graphics board's utility software to change the frequency setting (Refer to the manual for graphics board).

* You can change the setup to the supported resolution using the Safe Mode (Press the F8 key during booting the system).

The power LED is illuminated amber.

- The monitor is in its display power management mode.
- There is no active signal coming from the PC.
- The signal cable is not fastened securely.
- Check the computer power and graphics adapter configuration.

The monitor doesn't enter the power saving off mode (Amber).

- Computer video signal is not VESA DPMS standard. Either the PC or the video controller card is not using the VESA DPMS power management function.



Display	Type	15inch (38.1cm) Flat Panel Active matrix-TFT LCD
		Anti-Glare coating
	Viewable Size	15inch (38.1cm)
	Pixel pitch	0.3 x 0.3mm
Sync Input	Horizontal Freq.	31kHz - 61kHz (Automatic)
	Vertical Freq.	56Hz - 75Hz (Automatic)
	Input form	Separate, TTL, Positive/Negative
	Signal input	15 pin D-Sub connector
Video Input	Display Area	304 x 228mm / 12.0 x 9.0inch
	Input Form	Separate, RGB Analog, 0.714Vp-p/75ohm,
		Positive
Resolution	Max	VESA 1024 x 768@75Hz
	Recommend	VESA 1024 x 768@60Hz
Audio	RMS Audio Output	2W(R + L)
	Input Sensitivity	0.7Vrms
	Speaker Impedance	4Ω
Power	Normal	≤ 36W
Consumption	Stand-by/Suspend	≤ 3W
	Power Off	≤ 3W
Dimensions	Width	38.9 cm / 15.3 inches
	Height	38.2 cm / 15 inches
	Depth	16.18 cm / 6.37 inches
Power Input	DC 12V 3A	
	Input	AC 100-240V, 50 - 60Hz, 1.2A - 0.6A
	Output	DC 12V  3A 
	Net	4.8 kg (11 lbs)
	Down	5°
	Up	30°
	Operating condition	
	Temperature	10°C to 35°C
	Humidity	10% to 80% non-condensing
	Storage condition	
	Temperature	-20°C to 60°C
	Humidity	5% to 95% non-condensing