ENGLISH

The StudioWorks 570LE/LS Flat Panel 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.

Features

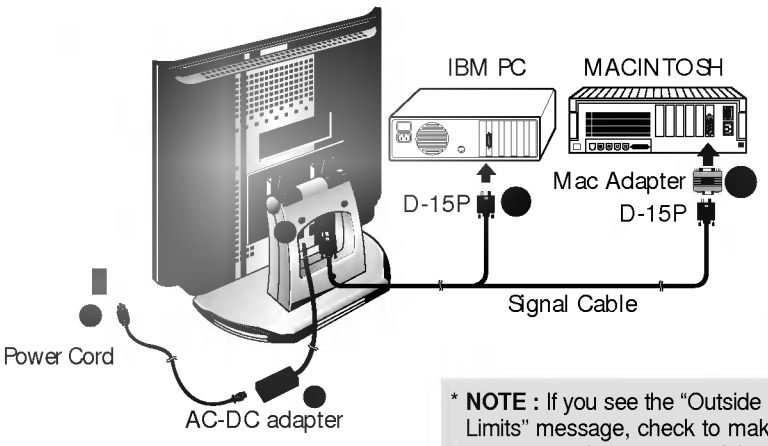
- The StudioWorks 570LE/LS is a 15.1-inch (15.1 inches viewable) intelligent micropro-cessor based monitor.
- Digitally controlled auto-scanning is done with the microprocessor for horizontal scan frequencies between 31 and 69kHz, and vertical scan frequencies between 56 and 85Hz.
- The microprocessor-based digital controls allow you to adjust conveniently a variety of image controls by using the OSD (On Screen Display).
- It supports resolutions up to 1024x768, and has a wide viewing angle of ±60 degrees horizontal and ±45 degrees vertical.
- The monitor is shipped with 16 factory pre-programmed video modes that are permanently resident. In addition, there are 10 user-storable modes, for a total of 26 memory modes.
- Plug and play capability if supported by your system.
- This monitor has DDC 2B function.*
- Compliant with the following regulated specifications :*
  - FCC Compliance Statement
  - CE Conformity Notice
  - EPA ENERGY STAR
  - Swedish TCO'99

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

On the back of the monitor are two plug-in connections; one for the AC power cord, and the other for the signal cable from the video card.

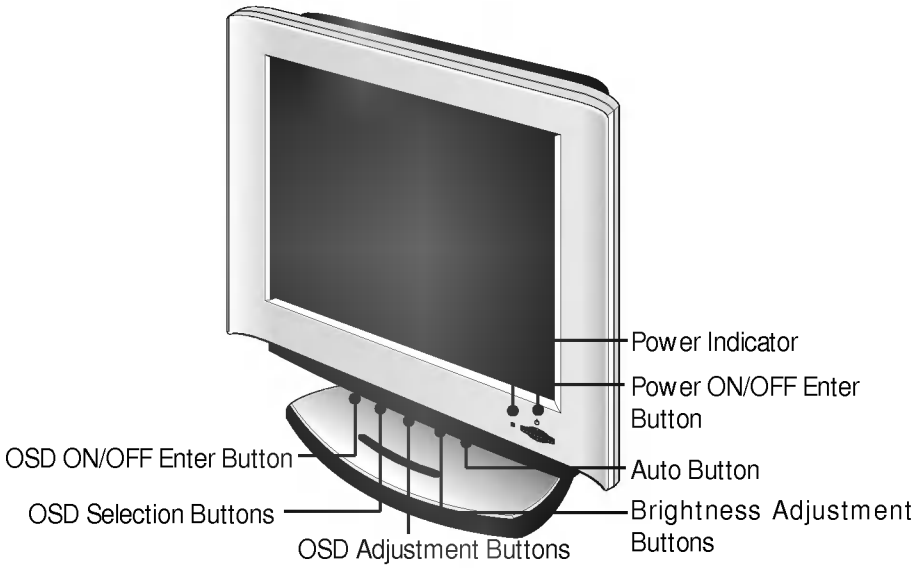
- Power off both the monitor and PC.
- Connect the 15 pin VGA connector of the supplied signal cable to the output VGA video connector on the PC and the matching input connector on the rear of the monitor. The connectors will mate only one way. If you cannot attach the cable easily, turn the connector upside down and try again. When mated, tighten the thumbscrews to secure the connection.
- Locate the appropriate MAC to VGA adapter block at your local computer store. This adapter changes the high density 3 row 15 pin VGA connector to the correct 15 pin 2 row connection to mate with your MAC. Attach the other end of the signal cable to the side of the adapter block with 3 rows.

  Connect the attached adapter block/signal cable to the video output on your MAC.
- Connect the plug from the AC-DC adapter into the connector on the display unit. Connect one end of the AC power cord into the AC-DC adapter. Plug the other end into a properly grounded three-prong AC outlet.
- Power ON the PC, then the monitor.
- If you see the Check Signal Cable message, check the signal cable and connectors.
- After using the system, power OFF the monitor, then the PC.

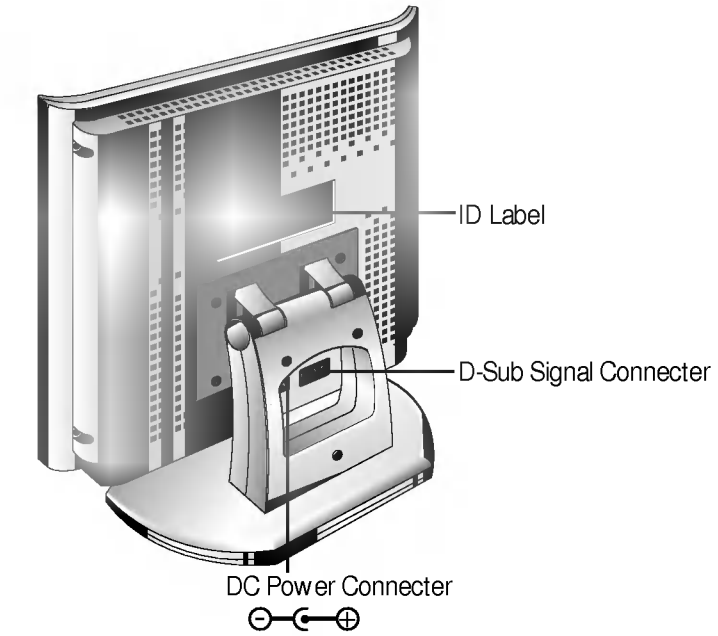


* **NOTE :** If you see the "Outside Range Limits" message, check to make sure your system is set to one of the factory preset modes.(see page A9)

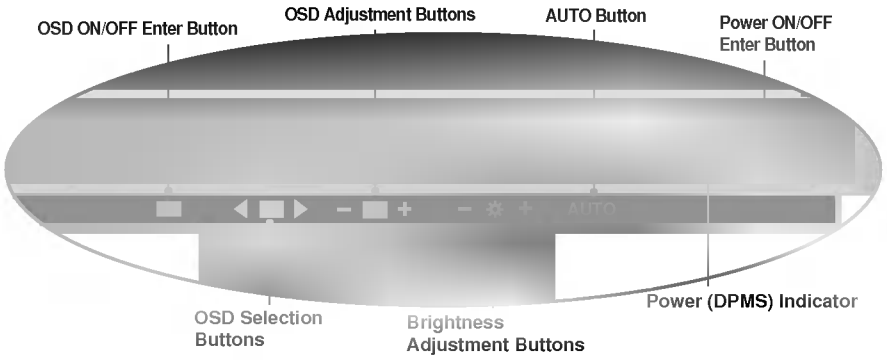
Front View



Rear View



Front Panel Controls



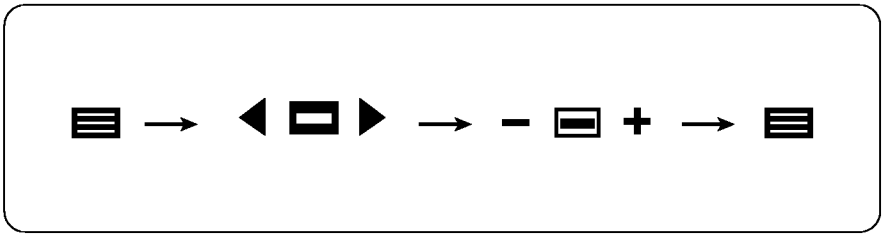
Control	Function
OSD ON/OFF Enter Button	Use this button to start and exit from the On Screen Display (OSD).
OSD Selection Buttons	Use these buttons for selecting (highlighting) an OSD icon to be adjusted.
OSD Adjustment Buttons	Use these buttons for adjusting the level of the selected item.
Brightness Adjustment Buttons 	Use these buttons for adjusting the brightness of screen.
AUTO **AUTO Button** 	This button is for the automatic adjustment of the screen position, clock and clock phase. The displayed image will disappear for a few seconds while the Auto-configuration is in process. **Note**: Some signal from some graphics boards may not function properly. **If the results are unsatisfactory,** adjust your monitorís Position, Clock and Clock 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 ON/OFF Enter Button	This button is used to turn the monitor ON and OFF.

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.

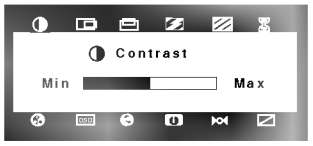
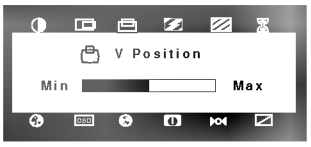
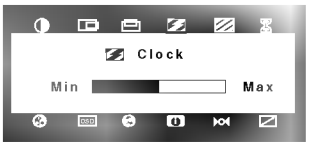
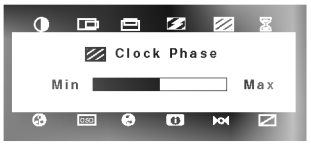
To make adjustments in the On Screen Display, follow these steps:



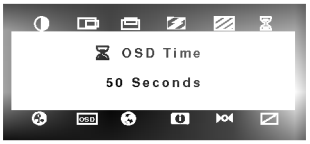
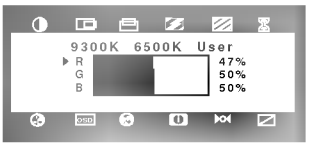
1. Press the ☰ Button, then the main menu of the OSD appears.
2. To acces a control, use the ◀ ▭ ▶ Buttons.
3. Use the − ▭ + Buttons to adjust the item to the desired level.
4. Exit the OSD by Pressing the ☰ Button.

On Screen Display(OSD) Selection and Adjustment

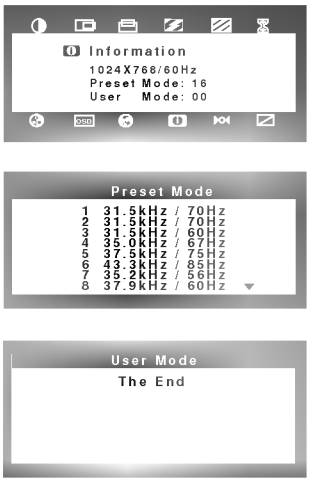
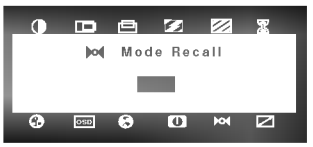
You were introduced to the procedure of selection and adjusting an item using the OSD system. Listed below are the icons, icon names, and icon descriptions of the items that are shown on the Menu.

OSD Adjust	Description
Contrast 	To adjust the display to the contrast desired.
H Position 	To move picture image left and right. - Moves the screen image left. + Moves the screen image right.
V Position 	To move picture image up and down. - Moves the screen image down. + Moves the screen image up.
Clock 	To minimize any vertical bars or stripes visible on the screen background. The horizontal screen size will also change.
Clock 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.

On Screen Display(OSD) Selection and Adjustment

OSD Adjust	Description
OSD Time 	To select OSD display duration time. (5 - 120 seconds)
Color Select  	To select color temperature, 9300K/ 6500K and USER. **9300K** : Slightly bluish white. **6500K** : Warm-white tone, similar to white paper or daylight. This temperature is good for video-image display. This is the default setting for your monitor. Select the desired color temperature or select user to set your own color levels. To adjust **USER**, select the **+** button. Allow for specific adjustments to Red, Green, Blue (R/G/B) and (Color) Recall. Select the **Recall** to reset the color to the default setting.
OSD Position 	This item gives access to 2 elements : Horizontal position and Vertical position. Press the select button to select the desired item to change. To correct OSD image's Horizontal position and Vertical position. **Horizontal position** : To move image right and left. **Vertical position** : To move image up and down.
Language Select 	To choose the language in which the control names are displayed. OSD Menus are available in five language : **English, German, French, Spanish, and Italian.**

On Screen Display(OSD) Selection and Adjustment

OSD Adjust	Description
Information 	To inform users of preset and user mode data.
Mode Recall 	If the monitor is operating in a factory preset mode, this control will reset the image to the factory preset mode. If the monitor is operating in a user mode, this control has no effect.
Image Size 	This function displays the image in its original size or enlarged size so as to fit in the full screen of the LCD panel.

The monitor has 26memory locations for display modes, 16 of which are factory preset to popular video modes.

Display Modes (Resolution)

	Display Modes (Resolution)		Horizontal Freq.(kHz)	Vertical Freq.(Hz)
1	VGA	600 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	37.50	75
6	VESA	640 x 480	43.27	85
7	VESA	800 x 600	35.16	56
8	VESA	800 x 600	37.88	60
9	MAC	800 x 600	48.08	72
10	VESA	800 x 600	46.88	75
11	VESA	800 x 600	53.67	85
12	MAC	832 x 624	49.73	75
13	VESA	1024 x 768	48.36	60
14	VESA	1024 x 768	56.48	70
15	VESA	1024 x 768	60.02	75
16	VESA	1024 x 768	68.67	85

User Modes

- Modes 17-26 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 17.

  If you use up the 10 blank modes and still have more new video modes, the monitor replaces the information in the user modes starting with mode 17.

Recalling Display Modes

- When your monitor detects a mode it has seen before, it automatically recalls the image settings you may have made the last time you used that mode.

  You may, however, manually force a recall of each of the 16 preset modes by pressing the Recall button. All preset modes are automatically recalled as the monitor senses the incoming signal.

  The ability to recall the preset modes is dependent on the signal coming from your PC's video card or system. If this signal does not match any of the factory modes, the monitor automatically sets itself to display the image.

Check the following before calling for service.

Display Position is incorrect.

- Push the AUTO Button and select YES.
- 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 Button and select YES.
- 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 portraid.

- Push the AUTO Button and select YES.
- If the results are unsatisfactory, decrease the horizontal bars using the Clock Phase icon in the on screen display.

Check Signal Cable message.

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

Outside Range Limits 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-69kHz
  Vertical Frequency: 56Hz-85Hz

* 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	15.1inch (38.35cm) Flat Panel Active matrix-TFT LCD,
		Anti-Glare coating
	Viewable Size	15.1inch (38.35cm)
	Pixel pitch	0.3 x 0.3mm
	True color	16.7million color (Applies to 570LE only)
		262,144 color (Applies to 570LS only)
Sync Input	Horizontal Freq.	31 - 69kHz (Automatic)
	Vertical Freq.	56 - 85Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative
	Signal Input	15 pin D-Sub Connector
Video Input	Display Area	307 x 230mm / 12.1 x 9.1inch
	Input Form	Separate, RGB Analog, 0.714Vp-p/75ohm, Positive
	Resolution	VESA 1024 x 768/ 85Hz max
Power Consumption	Normal(Max.)	≤ 36W
	Stand-by/Suspend	≤ 3W
	Power Off	≤ 3W
Dimensions	Width	40.52 cm / 15.95 inches
	Height	36.16 cm / 14.24 inches
	Depth	18.24 cm / 7.18 inches
Power Input	DC 24V 1.2A	
AC-DC Adapter	Input	AC 100-240V 50-60Hz 1.2A~0.6A
	Output	DC 24V 1.5A ⊖—●—⊕
	Net	5.2 kg (11.46 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

NOTE

- Information in this document is subject to change without notice and does not represent a commitment on the part of LG Electronics Inc.