The FLATRON LCD 563LS 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

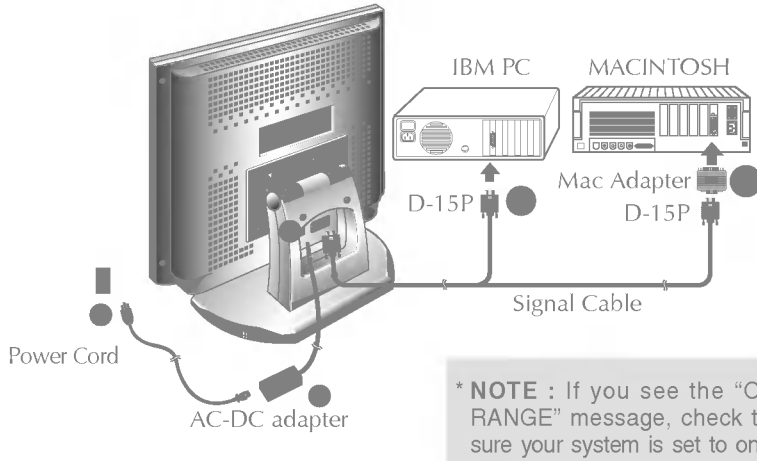
- The FLATRON LCD 563LS is a 15-inch (15 inches viewable) intelligent micropro-cessor based monitor.
- Digitally controlled auto-scanning is done with the microprocessor for horizontal scan frequencies between 31 and 61kHz, and vertical scan frequencies between 56 and 75Hz.
- The microprocessor-based 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'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.

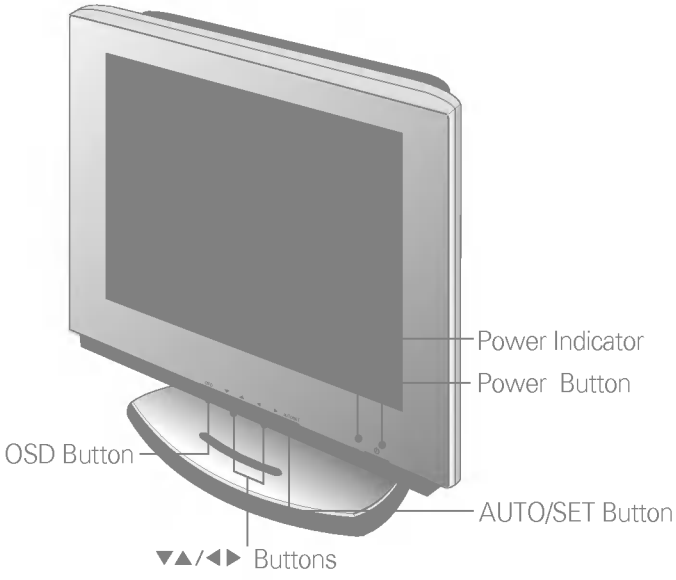
- Power off both the monitor and PC.
- Connect the 15 pin VGA connector of the supplied signal cable to the output VGA video connector on the PC and the matching input connector on the rear of the monitor. The connectors will mate only one way. If you cannot attach the cable easily, turn the connector 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 NO SIGNAL message, check the signal cable and connectors.
- After using the system, power off the monitor, then the PC.



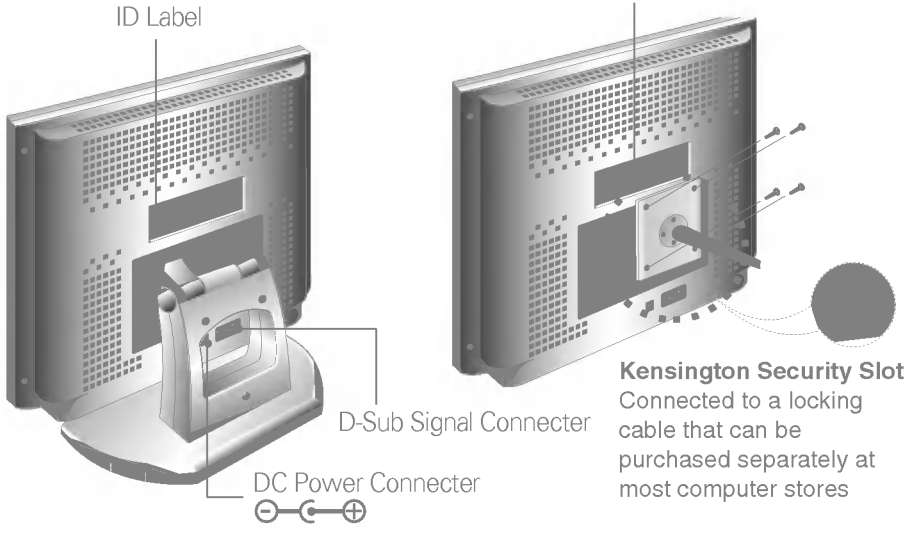
* **NOTE :** If you see the "OUT OF RANGE" message, check to make sure your system is set to one of the factory preset modes.(see page A8)

Front View



Rear View

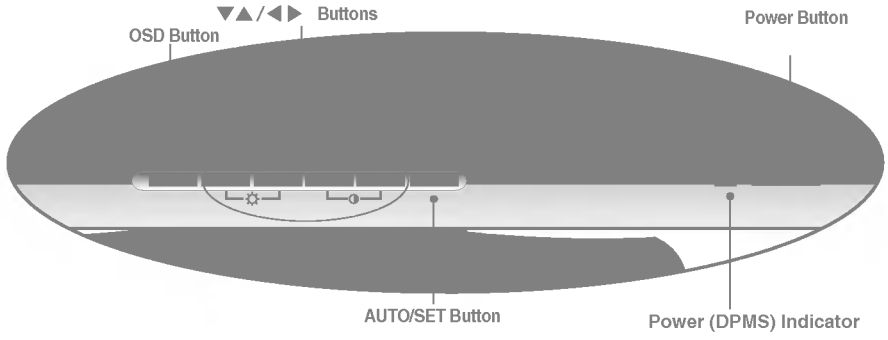
VESA wall mounting
Connected to another object (stand type and wall-mounted type - **optional**)



Kensington Security Slot
Connected to a locking cable that can be purchased separately at most computer stores

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

Front Panel Controls



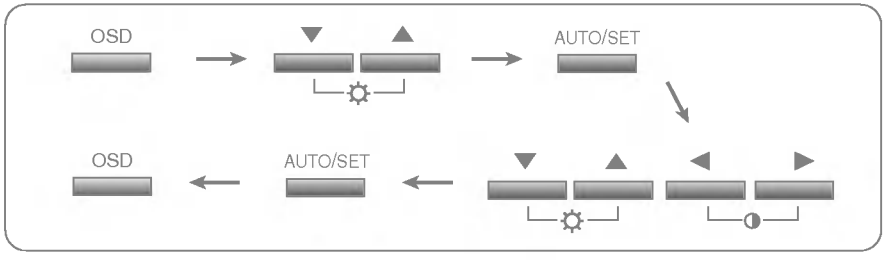
Control	Function
OSD **OSD Button**	Use this button to enter and from the on screen display (OSD).
▼▲/◀▶ **Buttons**	Use these buttons to choose or adjust items in the on screen display. <Shortcut Keys> • Brightness and Contrast can be adjusted directly without entering the On Screen Display (OSD) system. Touch the ▼/▲/◀/▶ buttons to adjust the settings and then the **OSD button** to save all changes. The Brightness and Contrast functions are also available in the On Screen Display (OSD) menu.
AUTO/SET **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.

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:



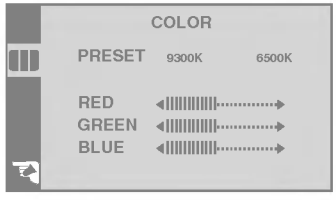
1. Press the **OSD Button**, then the main menu of the OSD appears.
2. To access a control, use the **▼▲ Buttons**. When the icon you want becomes highlighted, press the **AUTO/SET Button**.
3. Use the **▼▲/◀▶ Buttons** to adjust the item to the desired level.
4. Accept the changes by pressing the **AUTO/SET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

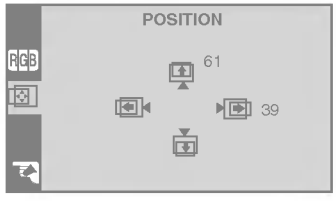


PRESET **9300K/ 6500K**
To appear the displays color temperature.
- 9300K:Slightly bluish white.
- 6500K:Slightly reddish white.

RED To set your own color levels.

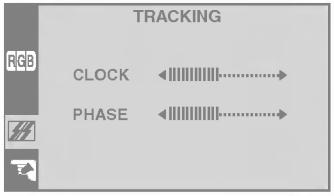
GREEN To set your own color levels.

BLUE To set your own color levels.



Vertical Position
To move image up and down.

Horizontal Position
To move picture image left and right.



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.



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

OSD POSITION To adjust position of the OSD window on the screen.

ELAPSED TIME To display the use time of monitor

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

Display Modes (Resolution)

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

Note : This LCD monitor has been pre-adjusted to the video mode of VESA 1024x768 @75Hz.

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.

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 portraid.

- 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.

Specifications

Display	Type	15 inch (38.35cm) Flat Panel Active matrix-TFT LCD, Anti-Glare coating
	Viewable Size	15 inch (38.35cm)
	Pixel pitch	0.3 x 0.3mm
	True color	16 million color
Sync Input	Horizontal Freq.	31 - 61kHz (Automatic)
	Vertical Freq.	56 - 75Hz (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/ 75Hz max
Power Consumption	Normal	≤ 30W
	Stand-by/Suspend	≤ 3W
	Power Off	≤ 3W
Dimensions	Width	38.92 cm / 15.95 inches
	Height	36.16 cm / 14.24 inches
	Depth	18.24 cm / 7.18 inches
AC-DC Adapter	DC 12V 3A	
	Input	AC 100-240V 50-60Hz 1.2A~0.6A
	Output	DC 12V 3A 
	Net	4.8 kg (10.58 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