

4 Opearating Instructions

4-1 Control and Connectors

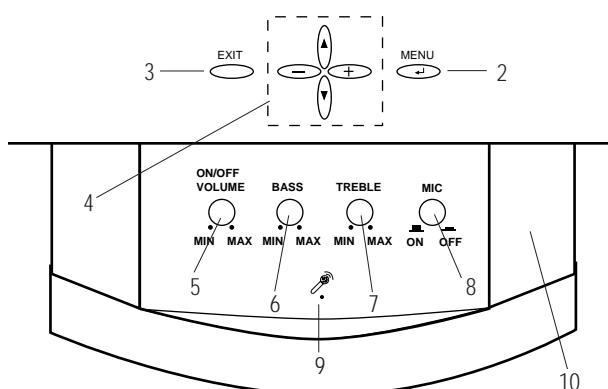
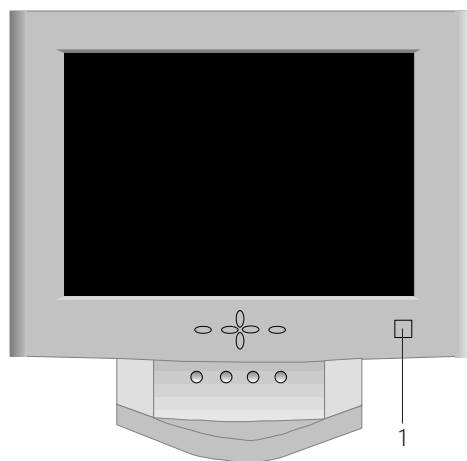


Figure 4-1. Front View and Control

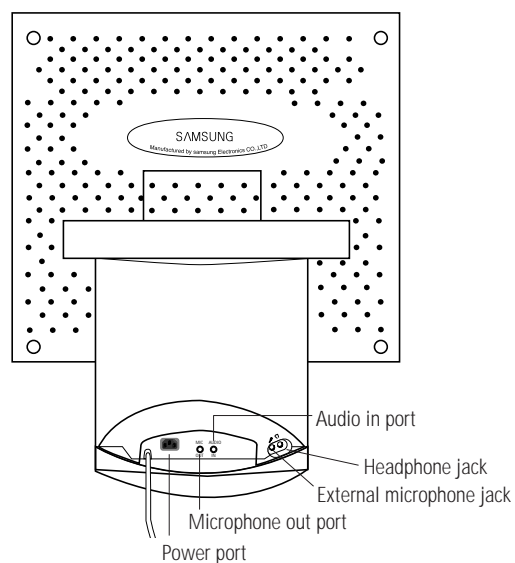


Figure 4-2. Rear View

Table 4-1. Front Panel Controls

Location	Symbol	Description
1		Power Button
2		Menu Button
3		Exit Button
4		Up / Down / + / - Buttons
5		Audio On / Off & Volume Buttons
6		Bass Button
7		Treble Button
8		Microphone On / Off Button
9		Microphone
10		Amplified Stereo Speakers

4-2 Microprocessor Controls and Functions

This monitor has no “service only” micom controls. Should there be a problem with the microprocessor, replace the entire circuit board. There are, however, user accessible adjustment features that are described below.

This monitor has factory preset display settings for each of the signals listed in the standard display modes Timing Chart (see pages 3-3 and 3-4). As a result, when the monitor senses one of the standard signal timings, it automatically adjusts to an optimum size and position.

However, the user may wish to adjust the monitor to their own preferred settings rather than use those preset at the factory. The monitor saves up to 16 user defined settings.

4-2-1 OSD Window

The adjustable features described below all use the on-screen menu system.
















1. Push the  button to open the display the on-screen menu.
2. Use the  or  button to change an adjustment icon, use the  button to highlight an adjustment icon, then use the + or – buttons to make the adjustments.
3. To select another adjustment on the same screen, use the  or  button to move to the next selection.
4. When you are done making adjustments on an adjustment icon, push the EXIT button.
5. When you are done making all adjustments, push the EXIT button.

Table 4-2 shows the adjustment types and their icons.

Table 4-2. Available adjustments

Icon	Description	Adjustment Range	Icon	Description	Adjustment Range
	Image Lock Fine Coarse	IBM VGA1/70 Hz 0-100 740-860		Position Horizontal Vertical	0 ~ 100 0 ~ 100
		VGA2/70 Hz 0-100 840-960			
		VGA3/60 Hz 0-100 740-860		Auto Reset Auto Adjustment Geometry Color	No/Yes No/Yes No/Yes
		VESA SVGA/56 Hz 0-100 964-1084			
		SVGA/60 Hz 0-100 996-1116		Image Size Zoom Display Size	x1, x2, x4, x8 Normal/Expand
		XGA/60 Hz 0-100 1284-1404			
	Brightness	0 ~ 100		Misc. Language Menu Position Menu Display Time Display Mode	0 ~ 100 0 ~ 100
	Contrast	0 ~ 100			
	Color Control Red Green Blue	0 ~ 100 0 ~ 100 0 ~ 100		Color Temperature Mode1 Mode2 Mode3	

4-3 Audio Controls

Your LCD monitor provides four audio control buttons located on the front of the stand.

4-3-1 Audio Adjustments

To access the on/off, volume, bass and treble functions push the appropriate blue control button until it pops out then turn it to the right or left to adjust the function.

Function Name	Effect of Control Movement	
	Left	Right
Audio On/Off and Volume	Off	On
	Decrease volume	Increase volume
Bass	Decrease Low sounds	Increase low sounds
Treble	Decrease high sounds	Increase High sounds

Your LCD monitor includes an internal microphone which you can turn On or Off using the rightmost control of the Audio controls.

Function Name	Effect of Control Movement	
	In	Out
Audio On/Off and Volume	Off	On

4-4 Power Management System

This monitor has a built-in power management system called PowerSaver. This system saves energy by switching your monitor into an off mode when it has not been used for an certain amount of time.

This system operates with a VESA DPMS compliant video card installed in your computer. You use a software utility installed on your computer to set up this feature. See the table below for details.

Table 4-3. Display Power Management Signaling (DPMS); 13.3"

State Items	Normal Operation	Power saving function EPA/NUTEK		
		Stand-By Mode	Suspend Mode Position A	Power Off Mode Position B
Horizontal Sync	Active	Inactive	Active	Inactive
Vertical Sync	Active	Active	Inactive	Inactive
Video	Active	Blanked	Blanked	Blanked
Power Indicator	Green	Amber	Amber Blinking (0.5 sec)	Amber Blinking (1 sec)
Power Consumption/hr	40 W (max.) 30 W (nominal)	Less than 5 W	Less than 5 W	Less than 5 W

Note 1: This monitor automatically returns to normal operation when horizontal and vertical sync return. This occurs when you move the computer's mouse or press a key on the keyboard.

Note 2: This monitor is EPA ENERGY STAR® compliant and NUTEK compliant when used with a computer equipped with VESA DPMS functionality. If your computer system cannot support a display power management function, you can purchase an optional DPMS software program to enable the power saving function. Please contact Samsung or your dealer for more information.

Note 3: For energy conservation, turn your monitor OFF when it is not needed, or when leaving it unattended for long periods.

Note 4: Audio Part is operated separately by control button.

Table 4-4. Display Power Management Signaling (DPMS); 15"

State Items	Normal Operation	Power saving function EPA/NUTEK		
		Stand-By Mode	Suspend Mode Position A	Power Off Mode Position B
Horizontal Sync	Active	Inactive	Active	Inactive
Vertical Sync	Active	Active	Inactive	Inactive
Video	Active	Blanked	Blanked	Blanked
Power Indicator	Green	Amber	Amber Blinking (0.5 sec)	Amber Blinking (1 sec)
Power Consumption/hr	45 W (max.) 35 W (nominal)	Less than 5 W	Less than 5 W	Less than 5 W