



StudioWorks

E700S/E700B

User's Guide

Please read this manual carefully before operating your set.
Retain it for future reference.
Record model number and serial number of the set.
See the label attached on the back cover and quote this information to your dealer when you require service.

FCC Warning

Class B Computing Device

Information to the User

This equipment has been tested and found to comply with the limits for a class B digital device pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

NOTE: In order for an installation of this product to maintain compliance with the limits for a Class B device, shielded cables must be used.

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ENGLISH

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Important Precaution

This unit has been engineered and manufactured to assure your personal safety, but improper use can result in potential electrical shock or fire hazard. In order not to defeat the safeguards incorporated in this monitor, observe the following basic rules for its installation, use, and servicing. Also follow all warnings and instructions marked directly on your monitor.

On Safety

Use only the power cord supplied with the unit. In case you use another power cord, make sure that it is certified by the applicable national standards if not being provided by the supplier. If the power cable is faulty in any way, please contact the manufacturer or the nearest authorized repair service provider for a replacement.

The power supply cord is used as the main disconnect device. Ensure that the socket-outlet is easily accessible after installation.

Operate the monitor only from a power source indicated in the specifications of this manual or listed on the monitor. If you are not sure what type of power supply you have in your home, consult with your dealer.

Overloaded AC outlets and extension cords are dangerous. So are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

Do not Open the Monitor.

- There are no user serviceable components inside.
- There are Dangerous High Voltages inside, even when the power is OFF.
- Contact your dealer if the monitor is not operating properly.

To Avoid Personal Injury :

- Do not place the monitor on a sloping shelf unless properly secured.
- Use only a stand recommended by the manufacturer.
- Do not try to roll a stand with small casters across thresholds or deep pile carpets.

To Prevent Fire or Hazards:

- Always turn the monitor OFF if you leave the room for more than a short period of time. Never leave the monitor ON when leaving the house.
- Keep children from dropping or pushing objects into the monitor's cabinet openings. Some internal parts carry hazardous voltages.
- Do not add accessories that have not been designed for this monitor.
- During a lightning storm or when the monitor is to be left unattended for an extended period of time, unplug it from the wall outlet.
- Do not bring magnetic devices such as magnets or motors near the picture tube.

Important Precaution

On Installation

Do not allow anything to rest upon or roll over the power cord, and do not place the monitor where the power cord is subject to damage.

Do not use this monitor near water such as near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Monitors are provided with ventilation openings in the cabinet to allow the release of heat generated during operation. If these openings are blocked, built-up heat can cause failures which may result in a fire hazard. Therefore, NEVER:

- Block the bottom ventilation slots by placing the monitor on a bed, sofa, rug, etc.
- Place the monitor in a built-in enclosure unless proper ventilation is provided.
- Cover the openings with cloth or other material.
- Place the monitor near or over a radiator or heat source.

On Cleaning

- Unplug the monitor before cleaning the face of the monitor screen.
- Use a slightly damp (not wet) cloth. Do not use an aerosol directly on the monitor screen because overspray may cause electrical shock.

On Repacking

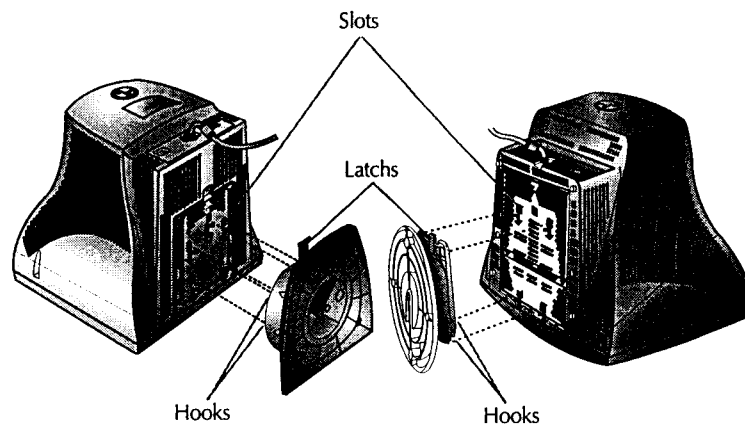
- Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it in its original material.

Connecting the Monitor

- To set up the monitor, ensure that the power is turned off to the monitor, computer system, and other attached devices.
- Carefully set the monitor face-down with the underside facing you.

Connecting the Tilt/Swivel stand

1. Align the hooks on the tilt/swivel stand with the matching slots in the base of the monitor.
2. Insert the hooks into slots.
3. Slide the tilt/swivel stand toward the front of the monitor until the latches click into the locked position.



Connecting the Monitor

Using the Computer

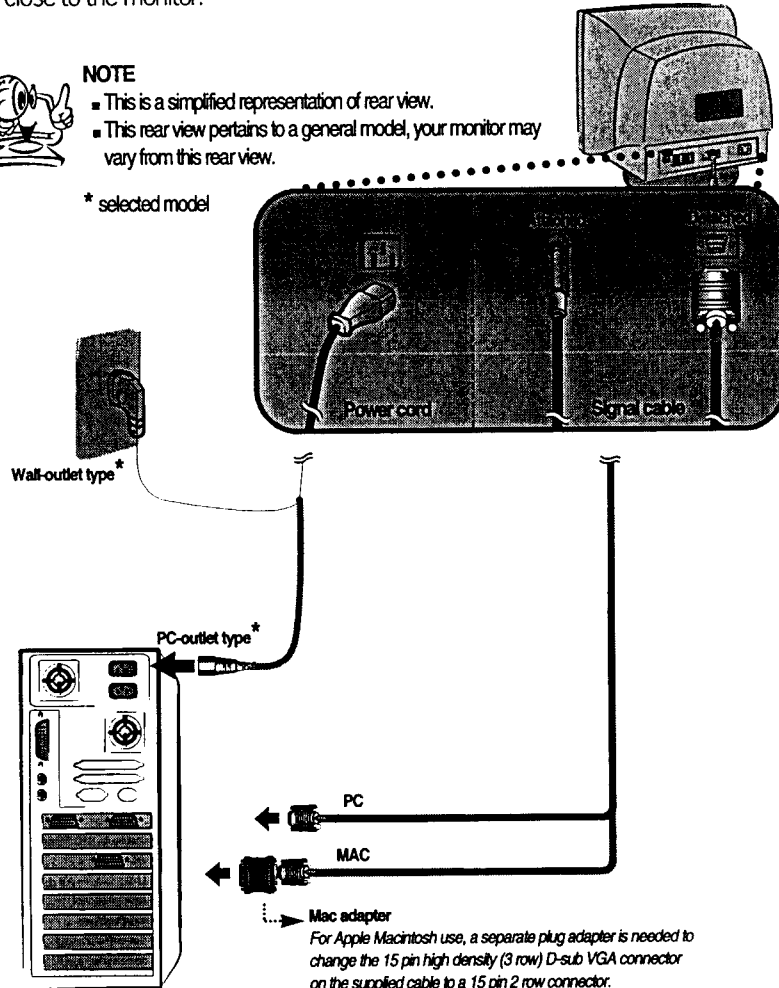
1. Connect the signal cable. When mated, tighten the thumbscrews to secure the connection.
2. Connect the power cord into a properly power outlet that is easily accessible and close to the monitor.



NOTE

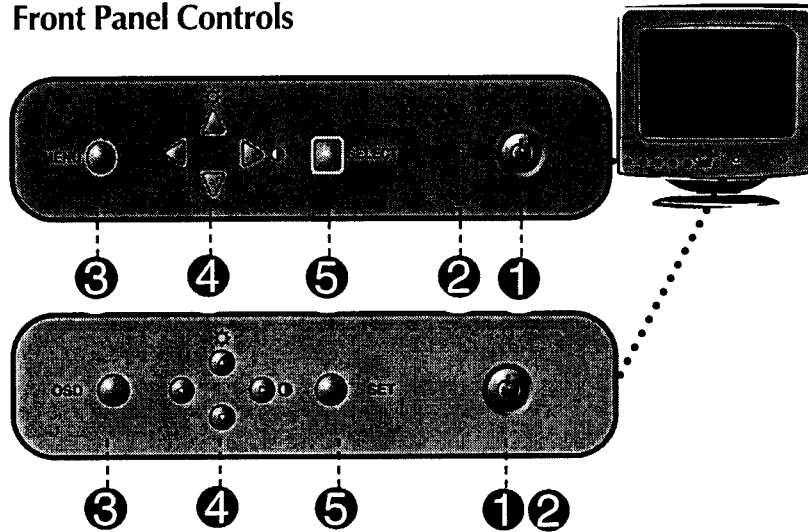
- This is a simplified representation of rear view.
- This rear view pertains to a general model, your monitor may vary from this rear view.

* selected model



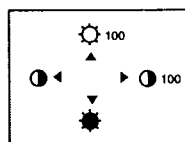
Control Panel Function

Front Panel Controls



Control	Function
---------	----------

- | | | |
|----------|---|---|
| 1 | • Power Button | Use this button to turn the monitor on or off. |
| 2 | • 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/off), this indicator color changes to amber. |
| 3 | • MENU Button
• OSD Button | Use this button to enter or exit the on screen display. |
| 4 | • Δ∇/◀▶ 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. Press the Δ/∇ buttons to display the menu and then the ∇/Δ/◀/▶ buttons to adjust the settings. To save all changes, press the **MENU (or SET) button**. The Brightness and Contrast functions are also available in the On Screen Display (OSD) menu.

- | | | |
|----------|---|--|
| 5 | • SELECT Button
• SET Button | Use this button to enter a selection in the on screen display. |
|----------|---|--|

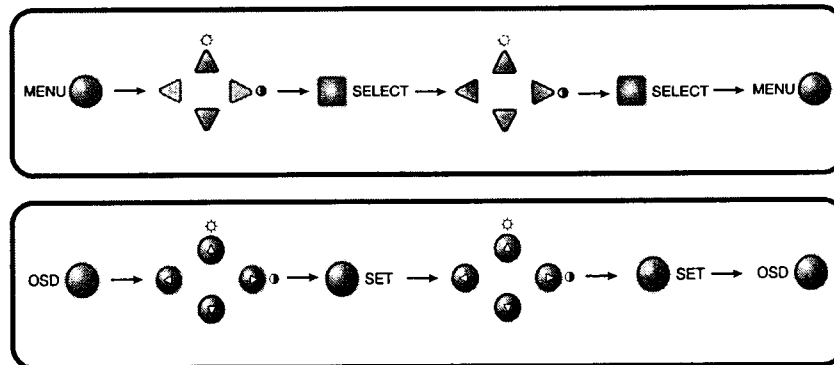
On Screen Display (OSD) Control Adjustment

Screen 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**(or **OSD**) Button, then the main menu of the OSD appears.
- 2 To access a control, use the Δ or ∇ Buttons. When the icon you want becomes highlighted, press the **SELECT**(or **SET**) Button.
- 3 Use the $\Delta\nabla/\triangleleft\rangle$ Buttons to adjust the item to the desired level.
- 4 Accept the changes by pressing the **SELECT**(or **SET**) Button.
- 5 Exit the OSD by Pressing the **MENU**(or **OSD**) Button.

On Screen Display (OSD) Control Adjustment

This following table shows all the On Screen Display Control adjustment and setting menus.

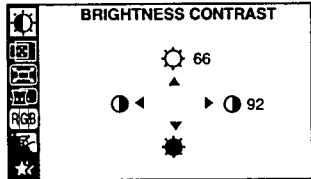


● select

Main menu	Sub-menu		Reference	
 CONTRAST/ BRIGHTNESS	Brightness	●	Adjust the brightness and contrast of the screen.	
	Contrast	●		
 POSITION	H Position	●	Adjust the position of the screen.	
	V Position	●		
 SIZE	H Size	●	Adjust the size of the screen.	
	V Size	●		
 SHAPE	Tilt	●	Adjust the shape of the displayed image.	
	Side Pinchshion	●		
	S Pinchshion Balance	●		
	Parallelogram	●		
	Trapezoid	●		
	T Comer	●		
 COLOR	PRESET 6500K/9300K	●	Select or adjust to the desired color.	
	Temp	●		
	R/G/B(User Color)	●		
 SETUP	Video Level	●	Adjust the each setup menu.	
	Language	●		
	OSD Position	●		
	OSD Time	●		
 SETUP	Degauss	●	Adjust to the suitable or desired screen image.	
	Recall	●		
	Reset	●		
	Moire	H Moire		●
		V Moire		●
	Purity			

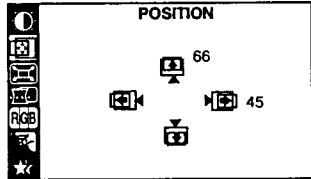


On Screen Display(OSD) Selection and Adjustment

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.

Adjust the brightness and contrast of the screen.

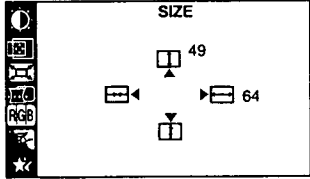


OSD Adjust	Description
	<p> Brightness Used to adjust the brightness of the screen.</p> <p> Contrast Adjust the display to the contrast desired.</p>

Adjust the position of the screen.

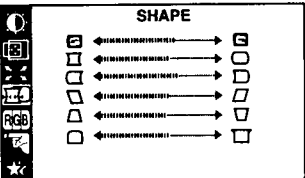






OSD Adjust	Description
	<p> Vertical Position To move image up and down.</p> <p> Horizontal Position To move picture image left and right.</p>

On Screen Display(OSD) Selection and Adjustment

Adjust the size of the screen.

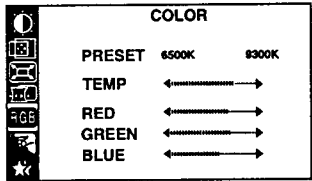
OSD Adjust	Description
	<p> Vertical Size To adjust image height.</p> <p> Horizontal Size To adjust image width.</p>

Adjust the shape of the displayed image. *selected model

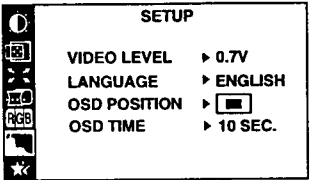
OSD Adjust	Description
	<p> Tilt To correct image rotation.</p> <p> Side Pincushion To correct the bowing in and out of the image.</p> <p> Side pincushion balance To correct the balance of both sides bowing.</p> <p> Parallelogram This control adjusts for a skewing of the screen image.</p> <p> Trapezoid To correct geometric distortion.</p> <p> Top Corner * To correct the irregular distortion of the displayed image.</p>

On Screen Display(OSD) Selection and Adjustment

Select or adjust to the desired color.

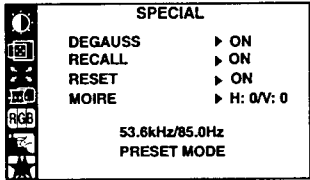
OSD Adjust	Description
	<p>PRESET 6500K/ 9300K To appear the displays color temperature.</p> <ul style="list-style-type: none"> • 6500K:Slightly reddish white. • 9300K:Slightly bluish white. <p>TEMP User easily color set without adjustment Red, Green and Blue (R/G/B).</p> <p>RED GREEN To set your own color levels. BLUE</p>

Adjust the each setup menu.

OSD Adjust	Description
	<p>VIDEO LEVEL This item is used to select the monitor's input signal level. The normal level used for most PC's is 0.7V. When the screen suddenly gets brightened or blurry, please select 1.0V and try again.</p> <p>LANGUAGE To choose the language in which the control names are displayed. OSD Menus are available in 11 languages: English, German, French, Spanish, Italian, Swedish, Finnish, Portuguese, Korean, Chinese and Russian.</p> <p>OSD POSITION To adjust position of the OSD window on the screen.</p> <p>OSD TIME To adjust the OSD time. : 5/10/20/30/60 SEC.</p>

On Screen Display(OSD) Selection and Adjustment

Adjust to the suitable or desired screen image.

OSD Adjust	Description
 <p>SPECIAL DEGAUSS ▶ ON RECALL ▶ ON RESET ▶ ON MOIRE ▶ H: 0/V: 0 53.6kHz/85.0Hz PRESET MODE</p>	<p>DEGAUSS To manually demagnetize the screen which may show some image or color incorrectly.</p> <p>RECALL You can use this function when you want to go back to the screen display of the time you purchased the product after adjusting to modify it in the Preset Mode. When you are in the User mode, you can recall only □, □, △, □, □ and □ items. After using Recall, adjust the screen display again if necessary. If you want more information on the Preset Mode, refer to A14 page.</p> <p>RESET This item ~</p> <p>MOIRE This item allows you to reduce the moire (Moire is caused by interference Horizontal Scan Line with the periodical dot screen). It is normally OFF(H:0/V:0). The moire adjustments may affect the focus of the screen. The screen image may shake slightly while the moire reduction function is on.</p> <p>PURITY* This item ~</p>

Troubleshooting

Check the following before calling for service.

NO Picture Problems	
Problems	Possible Solutions
OUT OF FREQUENCY message appears.	<ul style="list-style-type: none"> The frequency of the sync input is outside the operating range of the monitor. *Horizontal Frequency : 30-70kHz *Vertical Frequency : 50-160Hz <p>Use the graphics board's utility software to change the frequency setting (Refer to the manual for graphics board).</p>
The power LED is illuminated amber.	<ul style="list-style-type: none"> Display power management mode. There is no sync signal and the signal cable is not fastened securely. Check the computer power and graphics adapter configuration.

Imaging Problems	
Problems	Possible Solutions
SELF DIAGNOSTICS message.	<ul style="list-style-type: none"> The signal cable is not connected, or is loose. Check and secure the connection.
The image on the SCREEN is not centered, or too small, or not a rectangle shape.	<ul style="list-style-type: none"> Image adjustment not been done yet in the current operating mode. Use the MENU(or OSD), SELECT(or SET) and Δ/∇/\leftarrow/\rightarrow buttons to set the image to your liking.
The monitor doesn't enter the power saving off mode (Amber).	<ul style="list-style-type: none"> 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

Picture Tube	17 inch (16.0 inches viewable) 90 degree deflection 0.25mm dot pitch AGARAS(Anti-Glare Anti-Reflective Anti-Static) coating	
Sync Input	Horizontal Freq.	30 - 70kHz (Automatic)
	Vertical Freq.	50 - 160Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative
	Signal Input	15 pin D-Sub Connector
Video Input	Input Form	Separate, RGB Analog, 0.7Vp-p/75 ohm, Positive
	Resolution(max)	1280 x 1024@60Hz
Plug&Play	DDC 2B	
Power Consumption	Max.	≤ 95W
	Normal	≤ 74W
	Stand-by/Suspend	≤ 15W
	Power Off	≤ 5W
Dimensions & Weight (with tilt/ swivel stand)	Width	40.0 cm / 15.7 inches
	Height	39.5 cm / 15.6 inches
	Depth	42.4 cm / 16.7 inches
	Net	16.0 kg (35.27 lbs)
Power Input	AC 100-240V 50/60Hz 2.0A	
Environmental Conditions	Operating Condition	
	Temperature	0°C to 40 °C
	Humidity	10 % to 90 % non-Condensing
	Storage Condition	
	Temperature	-20°C to 60 °C
	Humidity	5 % to 90 % non-Condensing
Regulations	MPR-II(E700S), TCO99(E700B)	
tilt/swivel stand type	Attached	
Signal cable type	Attached	
power source type	Wall-outlet or PC-outlet	

NOTE

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Specifications

Display Modes (Resolution)

	Display Modes (Resolution)	Horizontal Freq.(kHz)	Vertical Freq.(Hz)
1	VESA 640 x 480	37.50	75
2	VESA 800 x 600	46.88	75
3	VESA 800 x 600	53.68	85
4	VESA 1024 x 768	68.677	85