

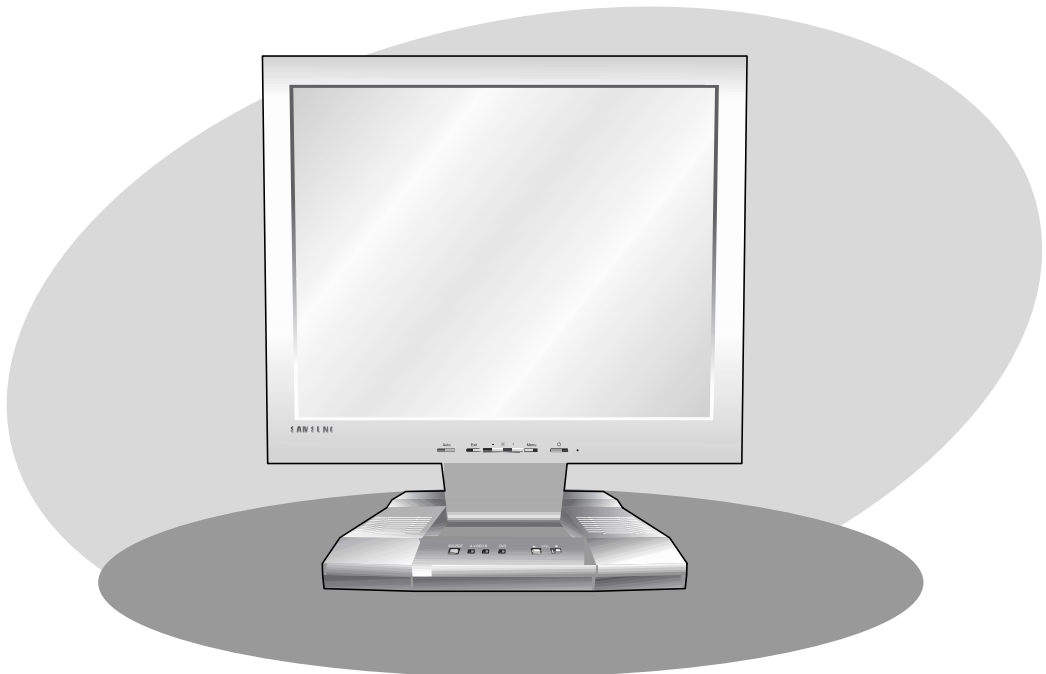
SAMSUNG

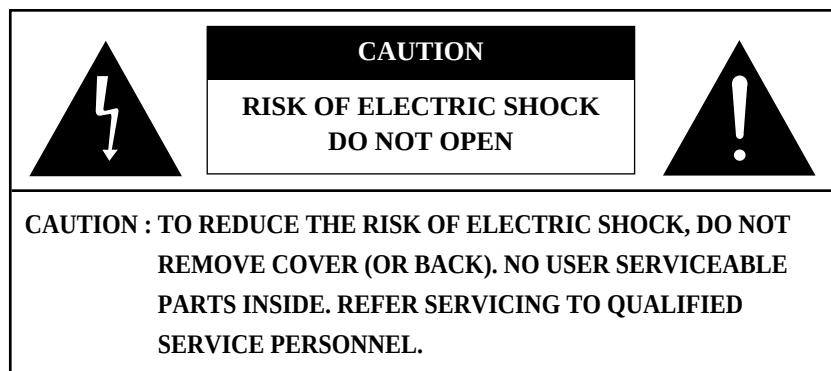
TFT-LCD MONITOR

SMT-170N

SMT-170P

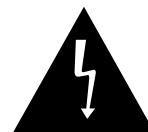
User Guide





Graphic Symbol Explanation

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Warning - To Prevent Fire or Shock Hazard, Do Not Expose This Monitor To Rain or Moisture.

IMPORTANT SAFEGUARDS

Caution

Power source is indicated on the rear of the set. It contains high-voltage parts. If you remove the cover, it may cause fire or electric shock. Do not remove the cover by yourself. (Control switches are at the front of the monitor.)

1. **Read Instructions :** All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions :** The safety and operating instructions should be retained for future reference.
3. **Heed Warnings :** All warnings on the monitor and in the operating instructions should be adhered to.
4. **Follow Instructions :** All operating and user instructions should be followed.
5. **Cleaning :** Unplug this monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
Exception. A monitor that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose may exclude the reference to unplugging the monitor in the cleaning description otherwise required in Item 5.
6. **Attachments :** Do not use attachments not recommended by Samsung as they may cause hazards.
7. **Water and Moisture :** Do not use this monitor near water for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool and the like wet basement or near a swimming pool and the like.

- 8. Accessories :** Do not place this monitor on an unstable cart, stand, tripod, bracket or table. The monitor may fall, causing serious injury to a child or adult and serious damage to the appliance. Use only with a cart, stand, tripod, bracket or table recommended by Samsung, or sold with the monitor. Any mounting of the monitor should follow Samsung's instructions and should use a mounting accessory recommended by Samsung.
- 9. Ventilation :** Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the monitor and to protect it from overheating and these openings should never be blocked by placing the monitor on a bed, sofa, rug or other similar surface. This monitor should never be placed near or over a radiator or heat register. This monitor should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or Samsung's instructions have been adhered to.
- 10. Power Sources :** This monitor should be operated only from the type of power source indicated on the making label. If you are not sure of the type of power supply to your installation site, consult your Samsung dealer or local power company.
- 11. Grounding or Polarization :** For monitors equipped with a 3-wire grounding-type plug having a third(grounding) pin. This plug will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
- 12. Power :** Cord Protection-Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the monitor.

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- 13. Lightning :** For added protection for this monitor during a lightning storm or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the monitor due to lightning and power-line surges.
- 14. Overloading :** Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
- 15. Object and liquid Entry :** Never push objects of any kind into this monitor through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
Never spill liquid of any kind on the monitor.
- 16. Servicing :** Do not attempt to service this monitor yourself as opening or removing cover may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 17. Damage Requiring Service :** Unplug this monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions.
- When the power-supply cord or plug is damaged.
 - If liquid has been spilled or objects have fallen into the monitor.
 - If the monitor has been exposed to rain or water.
 - If the monitor does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and require extensive work by a qualified technician to restore the monitor to its normal operation.
 - If the monitor has been dropped or the cabinet has been damaged.
 - When the monitor exhibits a distinct change in performance-this indicates a need for service.

- 18. Replacement Parts :** When replacement parts are required, be sure the service technician has used replacement parts specified by Samsung or have the same characteristics as the original parts.
Unauthorized substitutions may result in fire, electric shock or other hazards.
- 19. Safety Check :** Upon completion of any service or repairs to this monitor, ask the service technician to preform safety checks to determine that the monitor is in proper operating condition.

NOTICE

(Hg) (within a circle) LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

For details see lamprecycle.org, eire.org, or call 1-1800-Samsung

FCC & ICES Information

Warning

This equipment has been tested and found to comply the limits for a class A digital device, pursuant to part 15 of the FCC Rules and ICES-003 of Industry Canada.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

User-Installer Caution

Your authority to operate this FCC verified equipment could be voided if you make changes or modifications not expressly approved by the party responsible for compliance to part 15 of the FCC Rules.

Information to user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

If necessary, consult your dealer or an experienced radio/television technician for additional suggestions.

You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful.

This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD.

America QA Lab of Samsung

3351 Michelson Drive,

Suite #290, Irvine, CA92612 USA

IC Compliance Notice

This Class (A) digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe (A) respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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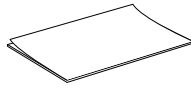
Appendix English-16

Unpacking

Remove the package cover and place the product on a flat and secure surface or in the installation location. Check whether all the following devices and accessories are included with the main system.



TFT-LCD Monitor



User's Guide



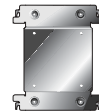
Screw1 (4pcs) Screw2 (4pcs) Anchor (4pcs)



Power Cord



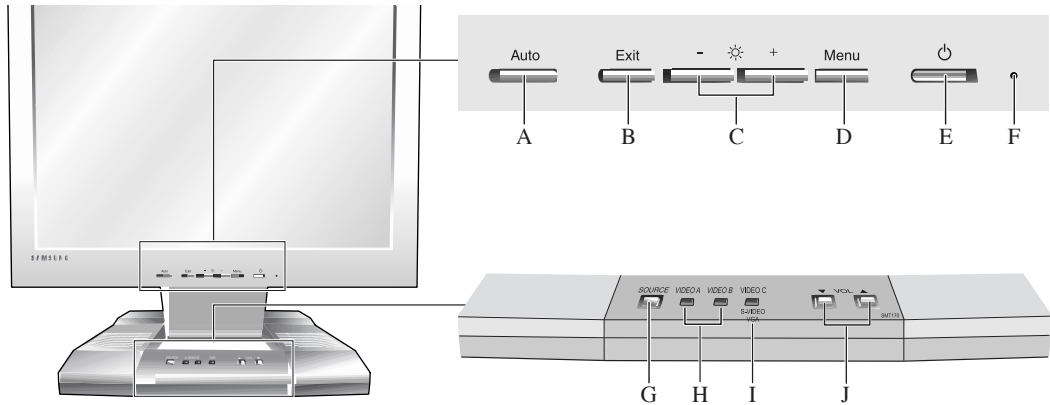
AC Adapter



VESA Mounting Bracket

Names and Functions of Parts

Front Panel



A. Auto

Use this button to auto adjustment direct access.
(VGA Mode Only)

B. Exit

Use this button to Exit the active menu or the OSD.(Volume Control mode)

C. - ☀ + (Adjust)

These buttons allow you to highlight and adjust items in the menu.

D. Menu(Monitor)

Use this button to open the OSD and activate a highlighted menu item.

E. ⏻ (Power)

Turns the power on/off.

F. ● (Power indicator)

This light glows when the monitor is turned on.

G. SOURCE

Each press of the SOURCE button will switch the input signal among the Video A, Video B, S-VIDEO and VGA.

H. VIDEO indicator

Green LED : Video A, Video B Input Mode.

I. S-VIDEO/VGA indicator

Green LED : S-VIDEO Input Mode.
Red LED : VGA Input Mode.

J. VOLUME ▲ / ▼

Controls the volume level.

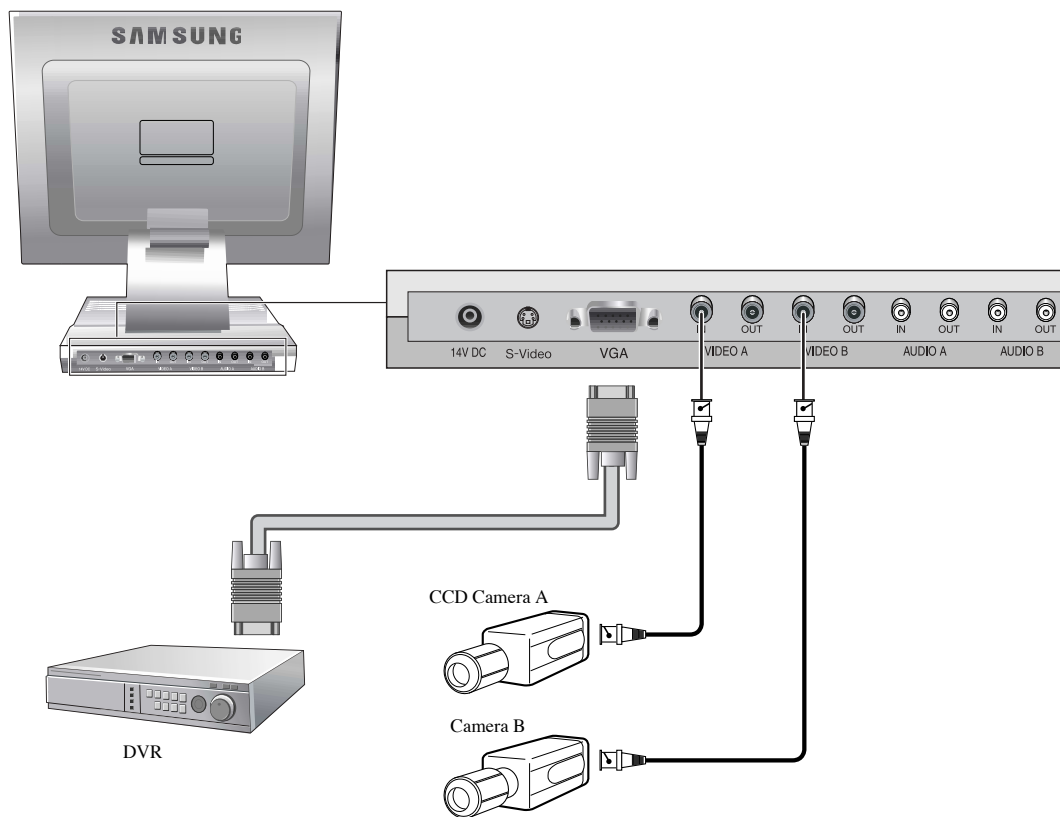
Rear Panel



- A. 14V DC**
Connect the power cord for your monitor to the power port on the back of the monitor.
- B. S-VIDEO**
S-VIDEO input terminal.
- C. VGA**
VGA input terminal.
- D. VIDEO A (IN) / VIDEO B (IN)**
Video IN connectors for input signal from Cameras.
- E. VIDEO A (OUT) / VIDEO B (OUT)**
Video OUT connectors for video signal output.
- F. AUDIO A (IN) / AUDIO B (IN)**
Audio IN connectors for audio input signal.
* Audio for S-Video and VGA use same connector as the audio for the Video B.
- G. AUDIO A (OUT) / AUDIO B (OUT)**
Audio OUT connectors for audio signal output.

Connecting to External Devices

The product can be connected to an external device such as Camera, DVR, VCR, etc.



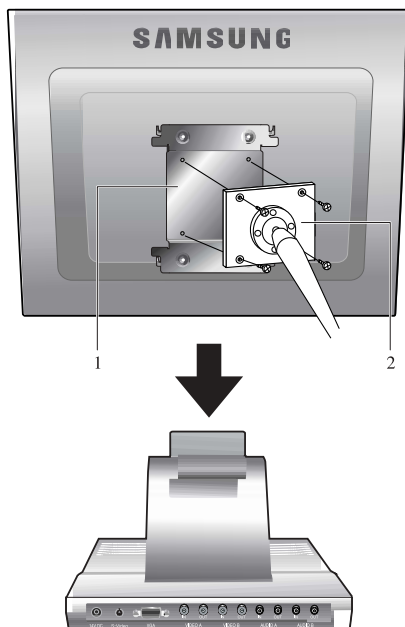
Setup Menu Configurations

MENU		Setting Range	Explanation
	Brightness	0 ~ 100	To adjust a specific Brightness within the setting range.
	Contrast	0 ~ 100	To adjust a specific Contrast within the setting range.
	Color (Video Mode)		To adjust a specific Color (Video Mode) within the setting range.
	Color	0 ~ 100	To adjust a specific Color within the setting range.
	Tint (NTSC)	0 ~ 100	To adjust a specific Tint within the setting range.
	Color Temperature (VGA Mode)		To select the Color Mode.(Warm, Cool)
	User Color	0 ~ 100	To adjust the Saturation of Red, Green, and Blue in the display area.
	Warm		Sets the color to a warm (reddish) white.
	Cool		Sets the color to a cool (bluish) white.
	Image (VGA Mode Only)		
	Phase	0 ~ 100	To adjust phase within the setting range.
	H-Position	0 ~ 100	To adjust image position horizontally within the setting range.
	V-Position	0 ~ 100	To adjust image position vertically within the setting range.
	Sharpness	0 ~ 6	To select a specific Sharpness within the setting range.
	Systems		
	Menu Display Time	3 ~ 100 Seconds	To adjust OSD MENU Display time.
	Language		To select a one Language from 5 Language (English, Français, Deutsch, Español, Italiano.)
	Reset		To return to the factory preset value.
	Asynchronous Input (Video Mode A, B Only)		
	Off		If asynchronous analog switching signal is not inputted.
	Video A		If asynchronous analog switching signal is inputted Video A.
	Video B		If asynchronous analog switching signal is inputted Video B.
	Volume	0 ~ 100 Step	To adjust volume within the setting range.

Attaching a Base

Attaching a base

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



Squeeze the folded monitor stand into the VESA mounting bracket. Then fasten it using the four supplied nuts with the monitor, mounting pad and VESA mounting bracket aligned.

1. VESA Mounting Bracket
2. Mounting interface pad

Appendix

Specifications

1. Model Name	SMT-170N / SMT-170P	
2. Video	Composite Video : 2Ch Input	1.0Vp-p, 75 Ω terminated, Loop-through out
	S-VIDEO (Y/C) : 1Ch Input	
	VGA : 1Ch Input	
3. Audio	2Ch Audio In / Out (Loop-through)	
4. Power Supply	DC 14V, 3A	
5. Power Consumption	Max. 40W	
6. Dimensions(WxDxH)	385 x 233 x 413.7 mm (After installation of stand)	
	385 x 64.0 x 335.2 mm (After folding the stand)	
7. Weight	5.1kg (with multimedia stand)	
8. Environmental Considerations	Operating Temperature : 50°F to 104°F (10°C to 40°C)	
	Operating Humidity : 10% to 80%, Non-condensing	
	Storage Temperature : -4°F to 113°F (-20°C to 45°C)	
	Storage Humidity : 5% to 95%, Non-condensing	
9. VGA Input Timing	720 x 480, 800 x 600, 1024 x 768 / 60Hz 720 x 576 / 50Hz	
10. LCD Panel	Size	17.0 inch diagonal
	Display area	337.92(H) x 270.336(V)mm
	Pixel pitch	0.264(H) x 0.264(V)
	Bright	300 cd/m ²
	Contrast Ratio	500 :1
	Viewing Angle	75°/75°/75°/60° (L/R/T/B)
	Display Color	16.2M
	Type	a-si TFT active matrix
11. SYSTEM	SMT-170N : NTSC-M SMT-170P : PAL-B,G,H,I	

