

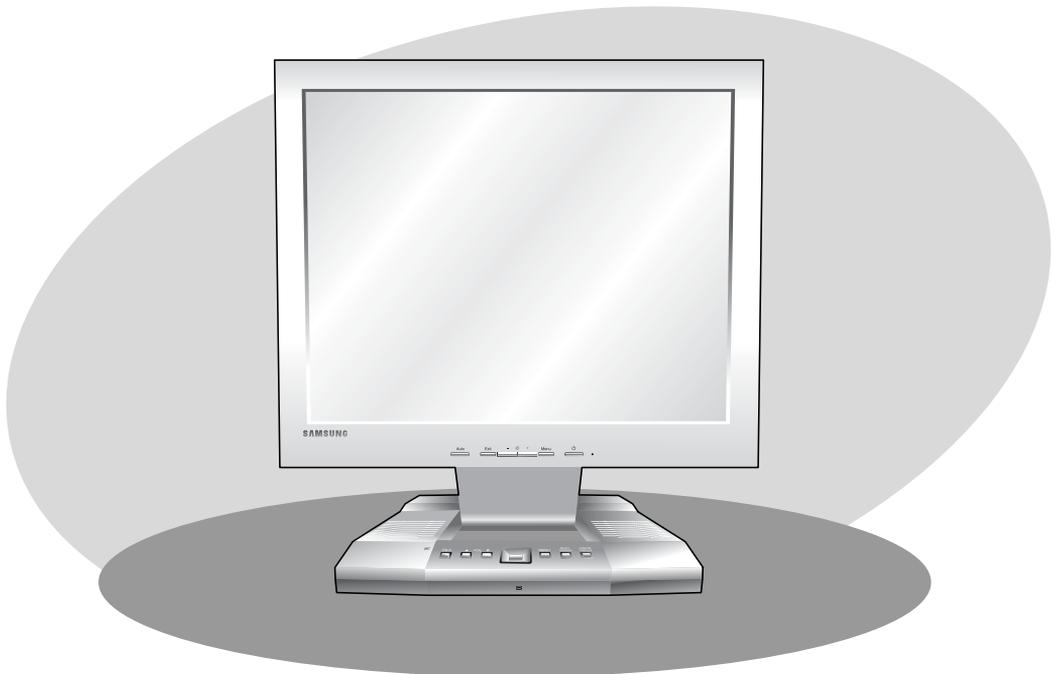
SAMSUNG

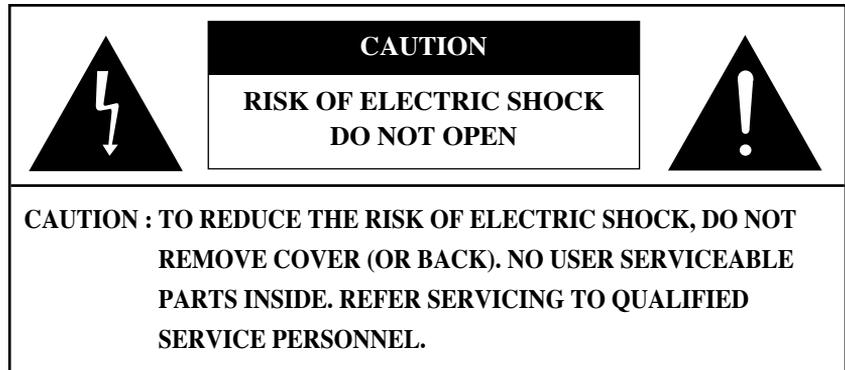
TFT-LCD MONITOR

SMT-170MN

SMT-170MP

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

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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.)

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- 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.
- a. When the power-supply cord or plug is damaged.
 - b. If liquid has been spilled, or objects have fallen into the monitor.
 - c. If the monitor has been exposed to rain or water.
 - d. 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.
 - e. If the monitor has been dropped or the cabinet has been damaged.
 - f. 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.

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

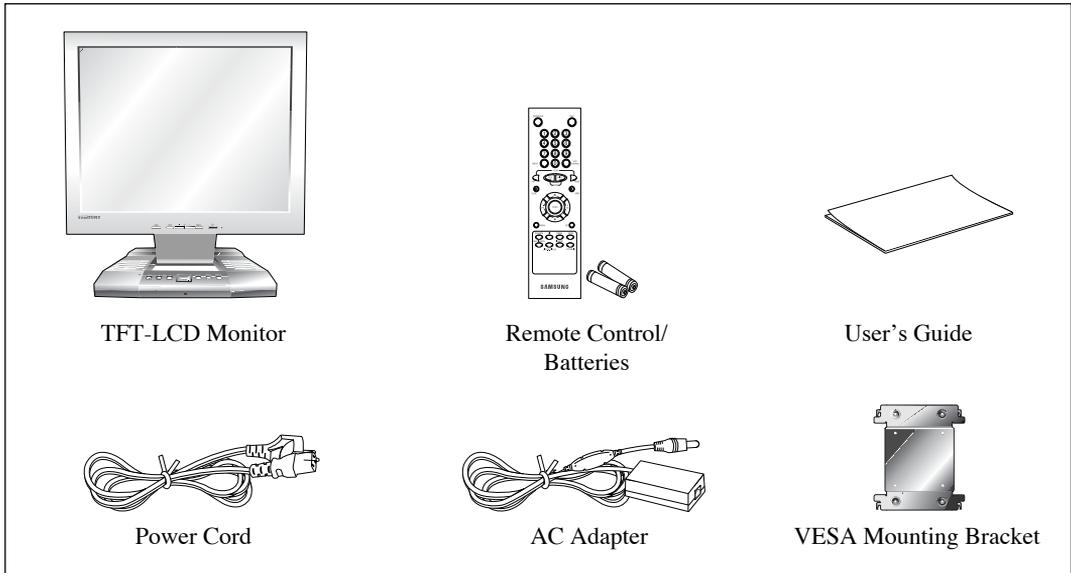
This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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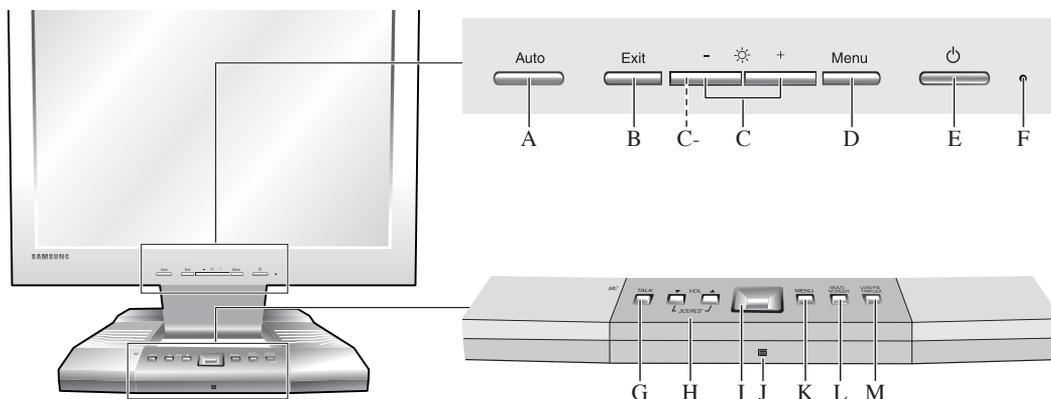
Unpacking

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.



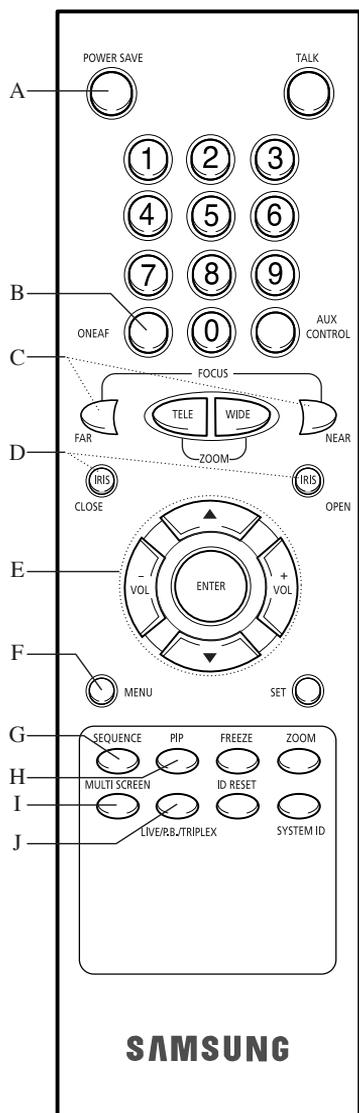
Names and Functions of Parts

Front Panel



- A. Auto**
Use this button to auto adjustment direct access.
- B. Exit**
Use this button to Exit the active menu or the OSD.
- C. - * + (Adjust)**
These buttons allow you to highlight and adjust items in the menu.
- C-. MagicBright button**
MagicBright is a new feature providing optimum viewing environment depending on the contents of the image you are watching. Currently three different modes are available: Text, Internet, and Entertain. Each mode has its own pre-configured brightness value. You can easily select one of three settings by simply pressing MagicBright control buttons.
- 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 green during normal operation, and blinks green once as the monitor saves your adjustments.
- G. TALK**
Communicates with the doorbell in duplex mode.
- H. VOLUME ▲/▼**
Controls the volume level.
- SOURCE**
Pressing ▲ and ▼ buttons at the same time converts to DVR and signal input select.
- I. Multi Switch (Left, Right, Up, Down, Enter)**
Use Left, Right, Up and Down buttons to move Zoom Area and Setup Menu, or change channels and other settings.
Use the Enter button to change PIP to full size or select a sub-menu from Setup Menu. The Enter button is also used to Zoom in the selected area by twice.
- J. Remote Control Sensor**
Aim the remote control towards this spot on the Monitor.
- K. MENU(MUX)**
Display the Setup menu on the screen.
Press it again to exit the Setup menu.
- L. MULTISCREEN**
Switches to the split screen view. Each press of this button changes to the 4, 8, and 9-split screen sequentially. Only the 9 and 16 split screens are available in the Triplex mode.
- M. LIVE/P.B./TRIPLEX**
Changes the Display mode. Each press of this button switches between Live, P.B., and Triplex modes sequentially.

Remote Control



A. POWER SAVE

Changes to Power Save mode.

B. ONEAF

Performs Auto Focus for the selected camera once in the present status. Only the remote control has this button. It is only available when a camera (SOC-420(P), or SOC-920(P), sold separately) is connected with the product.

C. FOCUS(FAR/NEAR)

Only the remote control has this button. It is used for camera Focus control and available only when a camera (SOC-420(P) or SOC-920(P), sold separately) is connected to the system.

D. IRIS(CLOSE/OPEN)

Only the remote control has this button. It is used for camera Iris control and available only when a camera (SOC-420(P) or SOC-920(P), sold separately) is connected to the system.

E. UP, DOWN, LEFT, RIGHT, ENTER

Press the LEFT button to direct the camera to the left; the RIGHT button, to the right. In the center is the ENTER button. Use this wheel to move a Zoomed-in screen, or to scroll through Menu items or channels. Press ENTER to select an item, enter a sub menu, or replay the events.

VOLUME +/-

Controls the volume level.

Note: An input signal cannot be selected by using the Volume +/- buttons on this remote control.

Use the Volume ▲/▼ buttons on the front panel to select an input signal.

F. MENU(MUX)

Display the Setup menu on the screen. Press it again to exit the Setup menu.

G. SEQUENCE

When pressed in the full screen mode, channels are switched automatically and sequentially within a specified time period.

H. PIP

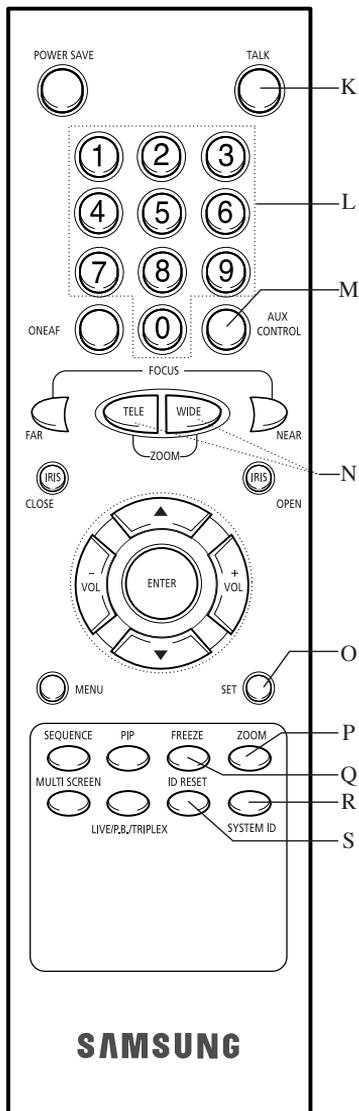
Selects the Picture in Picture mode.

I. MULTISCREEN

Switches to the split screen view. Each press of this button changes to the 4, 8, and 9-split screen sequentially. Only the 9 and 16 split screens are available in the Triplex mode.

J. LIVE/P.B./TRIPLEX

Changes the Display mode. Each press of this button switches between Live, P.B., and Triplex modes sequentially.



K. TALK

Communicates with the doorbell in duplex mode.

L. Number Key(0 ~ 9)

Press the number of the channel to watch it in full screen mode.

Or, press the SYSTEM ID button and then press the number of the system you want to control with the remote control.

M. AUX CONTROL

Outputs relay pulses to an external device for a specified time.

You can adjust this control according to your environment. (For example, when the doorbell rings, you can move to the corresponding camera and identify the visitor before opening the door using the AUX CONTROL button.)

N. ZOOM(TELE/WIDE)

Only the remote control has this button. It is available only when a camera (SOC-420(P), SOC-920(P) sold separately) is connected to the system.

O. SET

Enters the selected Sub Menu from the Main Menu.

P. ZOOM

When pressed in full screen mode, the screen is enlarged. Each press of this button enlarges the screen two and four times sequentially and then returns to the normal size. Use the Rotary Wheel to move the Zoomed-in screen.

Q. FREEZE

Captures the selected screen as a still screen.

R. SYSTEM ID

Selects the system to control with the remote. Only the remote control has this button.

S. ID RESET

Located on the remote control, this button resets the selected System ID to the default ID (1).

Note: For detailed function, see the MUX Box instruction provided.

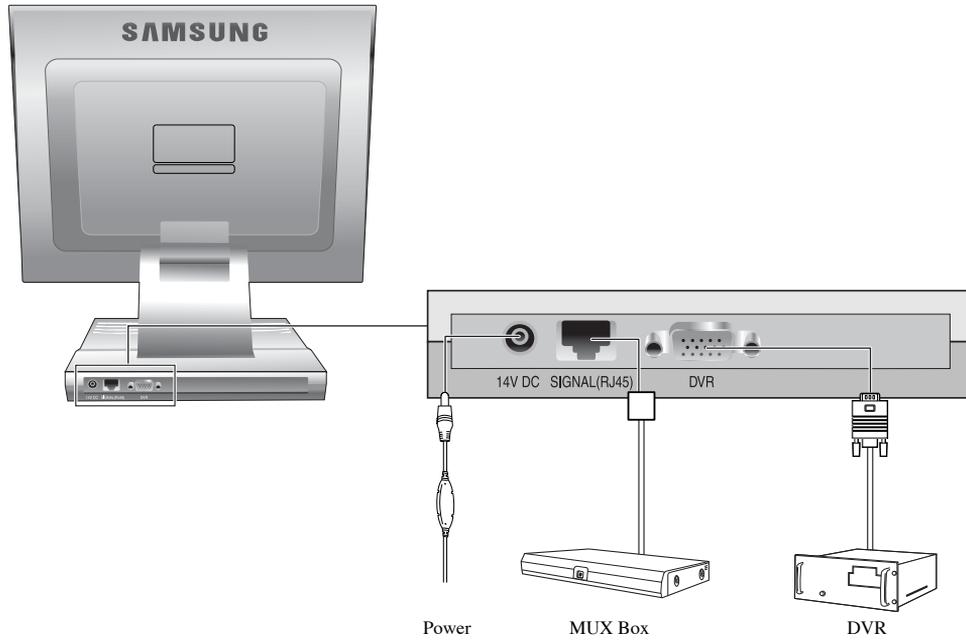
Rear Panel



- A. 14V DC**
Connect the power cord for your monitor to the power port on the back of the monitor.
- B. SIGNAL (RJ-45)**
MUX input port.
- C. DVR**
DVR input terminals.

Connecting to External Devices

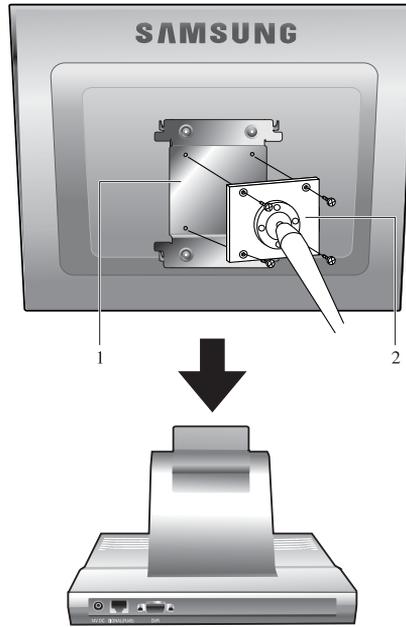
The product can be connected to an external device such as a MUX Box, DVR, etc.



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 Brkt
2. Mounting interface pad

Appendix

Specifications

1. Model Name	SMT-170MN/SMT-170MP
2. Size	17.0 inch diagonal
3. Display area	337.92(H) x 270.336(V)
4. Pixel pitch	0.264(H) x 0.264(V)
5. Type	a-si TFT active matrix
6. Viewing Angle	70/70/60/60 (L/R/T/B)
7. Power Supply	AC 90 to 264 VAC, 60/50Hz \pm 3Hz
8. Power Consumption	Max. 42W
9. 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)
10. Weight	5.1 kg (with multimedia stand)
11. 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
12. DVR mode	NTSC: 640 x 480, 1024 x 768 / 60Hz PAL: 800 x 600 / 60Hz

Memo

Memo

