

USER MANUAL



XG20ST
XGATE



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C/O/N/T/E/N/T/S

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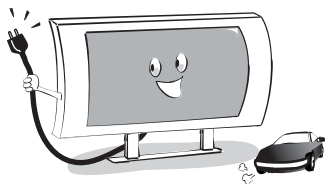
4-2. Comprehension of Matters to adjust OSD

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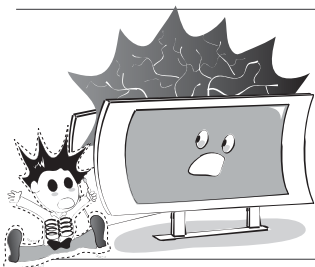
5-1. General Trouble Shooting

Chapter 1. Important Safeguard

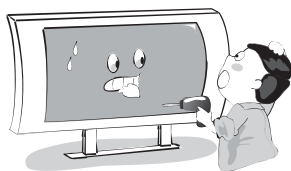
■ Safety Precautions



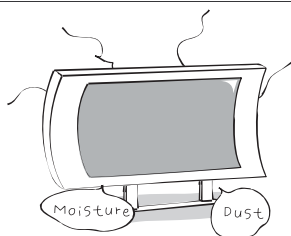
Disconnect the Power Cable while not using the monitor for Long Time.



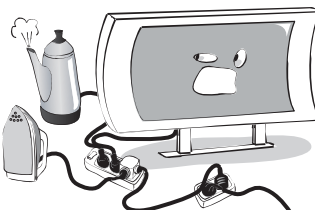
Do not open the monitor. Contact your dealer if the monitor is not operating properly. Also Don't use the monitor with its case open... electromagnetic waves may be harmful to the human.



Do not press hard with your finger or scratch with sharp object on the surface of the LCD. -Any damage on the surface of the LCD may cause functional failure.

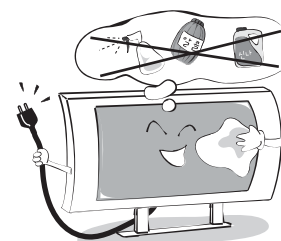


Do not place the monitor in direct sunlight or close to any heat source. -Product malfunction or fire hazard may occur.

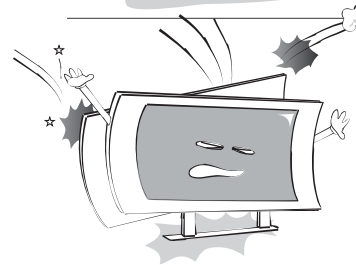


Do not connect more number of appliances to a single multi-plug. - Electrical shock may result.

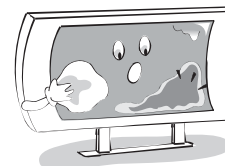
■ Safety Precautions



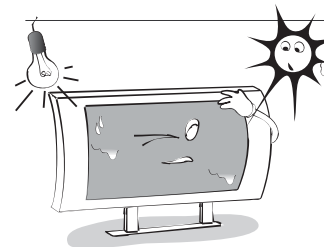
When you clean the monitor and the surface of LCD, be sure to pull the plug from Wall outlet. Use soft Cloth instead of using damp duster. Do not use chemicals such as industrial polisher, abrasive solution, wax, benzene, alcohol, or cleaning detergents. - Chemical cleaners may fade, dissolve, or crack the monitor surface.



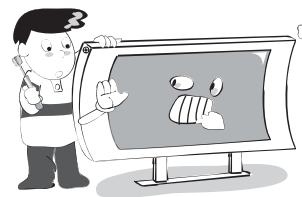
Do not drop the unit or make any scratch on the panel. Any scratch on the panel or drop of the product may cause functional failure.



If you find any water drop or stain on the display, wipe it with clean cloth.

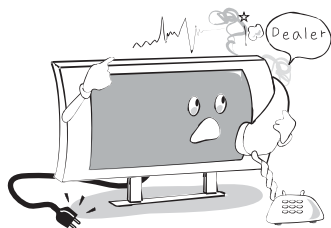


Using the display with 100% brightness may reduce life of the LCD panel.

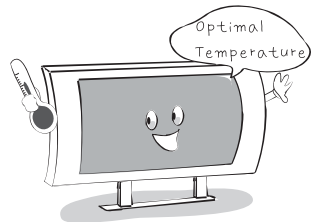


Install the monitor at the specified position from the wall to be wall ventilated. - A rise in temperature of monitor may cause fire.

■ Safety Precautions



Incase of any smoke or abnormal noise, immediately stop use of product and pull the power cord from the wall outlet. Then call your local dealer or service representative for assistance. Any subsequent use may result in fire or electric shock..



Optimal temperature conditions are 5°C~35°C, Humidity 30%~80% and can withstand the temperature of -10°C~60°C with Humidity10°C~85°C

If you wish to switch monitor to Sleep mode (DPMS) during PC Idle time, select Power Settings options in PC. It is always better to use Screen Saver with moving objects.

Chapter 2. Product Descriptions

■ Specifications

XG20ST

Display	– Wide screen TFT–LCD – Aspect Ratio : 4:3 – Resolution : 1600 x 1200 – Screen Size : 20.1" (diagonal) – Brightness : 300 cd/m² – Contrast : 800:1 (typ) – Color Capacity : 16.7 Million colors – Viewing Angle : 178°(U/D), 178°(L/R)
Picture Quality	– Progressive Scan – Digital 480i /480p /720p /1080i /1080p – Picture Modes : User/Normal/Aspect – 3D Digital Comb Filter – De–Interlacer – PIP / POP /PBP – Video Signal : NTSC
Sound	– Power Amp : 3 Watts x 2 (RMS) – Sound Mode Select : User/Movie/Music/Cinema/News/Flat
PC Compatibility	– Resolution : VGA–UXGA (Up to1600x1200) – Auto Size and Position Adjustment – Brightness and Contrast Control – Color Control – Sharpness Control
Key Features	– Picture Swap – Sound Swap – Sleep Timer – VESA Standard mounting holes – Display Size Control : Zoom(+/-) – Quick View
Input and Output	– Component In – Composite In – S–Video In – PC RGB In (15 pin D–sub) – PC DVI In (DVI–D) – PC Audio In – Stereo Audio Input (RCA) X 2CH – Stereo Headphone Output
Power	– Input : AC 100~240V, 50~60Hz – Output : DC 19V, 3.16A – On Working 55W, Stan by 4W – Auto Power Off – VESA DPMS

■ Table of Standard Acceptable Signal Mode

Resolution	H–frequency	V–Frequency	STANDARD TYPE
640 * 350	70Hz	31.5KHz	VESA Standard
640 * 400	70Hz	31.5KHz	VESA Standard
720 * 400	70Hz	31.5KHz	VESA Standard
640 * 480	60Hz	31.5KHz	Industry Standard
	72Hz	37.5KHz	VESA Standard
	75Hz	37.5KHz	VESA Standard
800 * 600	56Hz	35.1KHz	VESA Guidelines
	60Hz	37.9KHz	VESA Guidelines
	72Hz	48.1KHz	VESA Standard
	75Hz	46.9KHz	VESA Standard
1024 * 768	60Hz	48.4KHz	VESA Guidelines
	70Hz	56.5KHz	VESA Standard
	75Hz	60.0KHz	VESA Standard
1152 * 864	75Hz	67.5KHz	VESA Standard
1280 * 1024	60Hz	64.0KHz	VESA Standard
	75Hz	80.0KHz	VESA Standard
1600 * 1200	60Hz	75.0KHz	VESA Standard

◆ This monitor is optimized at resolution of up to 1680 X 1050

* Note : This specification of the product might be changed without any notice

■ Accessories

Check for the following accessories along with the package. In case of any discrepancy contact your vendor.



Remote Control



VGA Cable



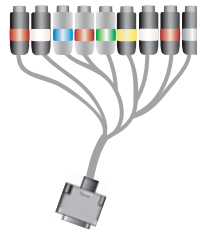
PC Audio Cable



AC/DC Adapter



Power Cord



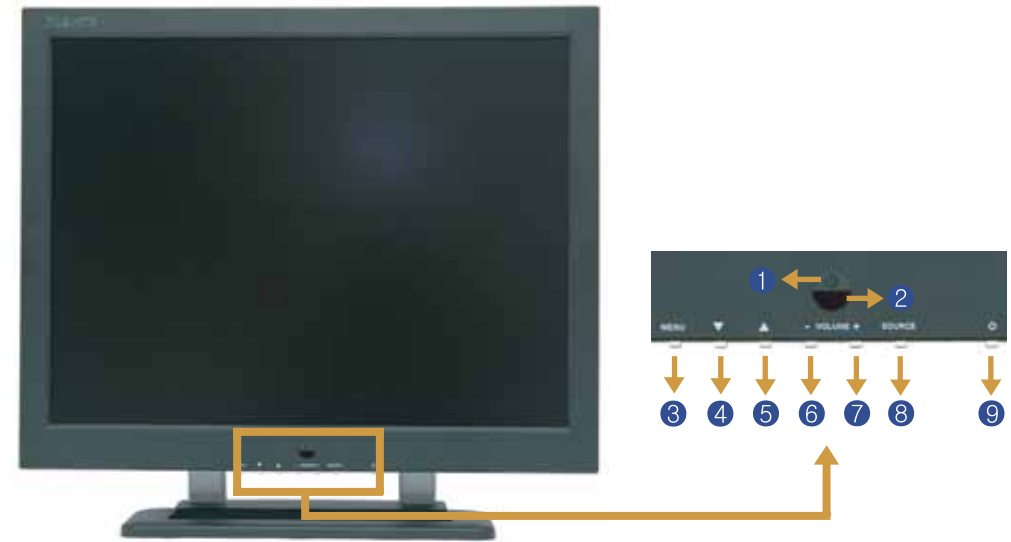
MDR Cable



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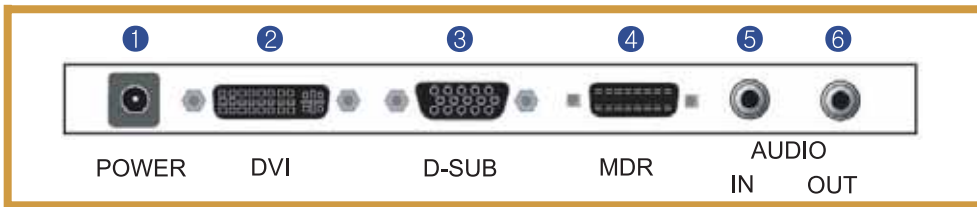
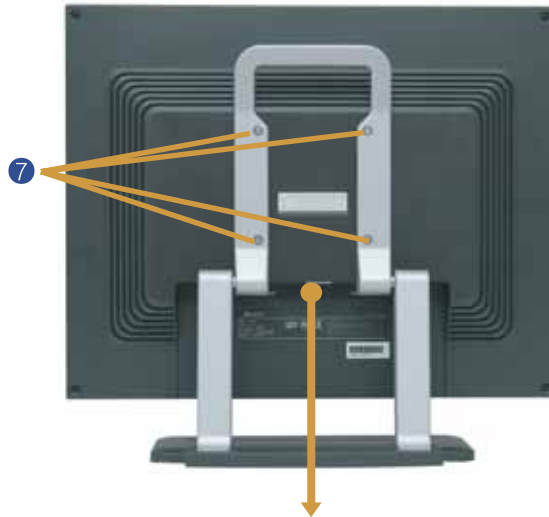
* Note : The accessories listed above may subject to change without any notice.

■ Front view & Buttons



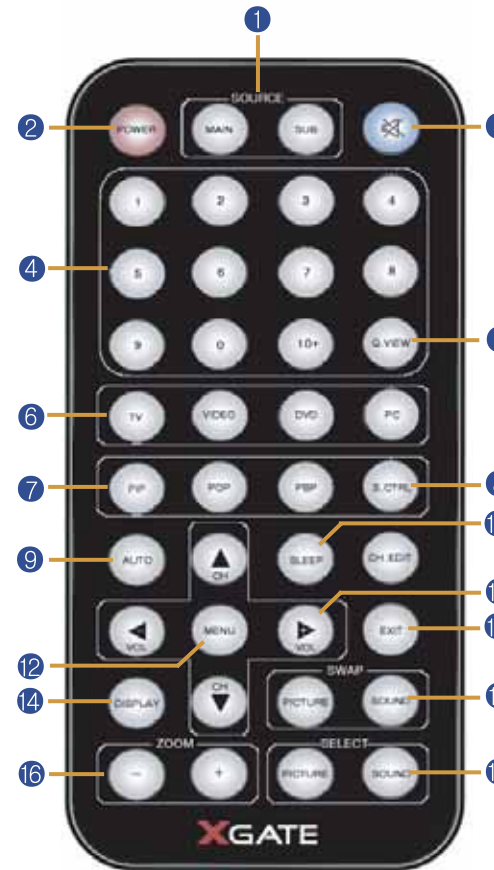
- ① LED : Power indication LED
- ② IR Port : Infra-Red Sensor
- ③ Menu : OSD Menu Display / Hide
- ④ CH Down (▼) : Decrease TV Channel & Moving down the bar of selection
- ⑤ CH Up (▲) : Increase TV Channel & Moving up the bar of selection
- ⑥ Volume (-) : Volume Decrease & Moving left the bar of selection and decreasing set point
- ⑦ Volume (+) : Volume Increase & Moving right the bar of selection and increasing set point
- ⑧ Source : Switch Input Signal
- ⑨ POWER [⏻] : ON / OFF

■ Rear view



- ① DC Power IN : Supplied Power from AC/DC Adaptor
- ② DVI-D IN : Inputted Digital Signal from the computer
- ③ 15PIN D-SUB IN : Inputted Analog Signal from the computer
- ④ MDR IN : Inputted COMPOSITE, S-VIDEO, COMPONENT and two of Audio Signals form the Multi-Media Equipments
- ⑤ PC AUDIO IN : Inputted Audio Signal from the computer
- ⑥ PC AUDIO OUT : Output Audio Signal to the external Speaker or Headphone
- ⑦ VESA Hole : Standard hole for using Wall-Mount blanket or Arm holding monitor

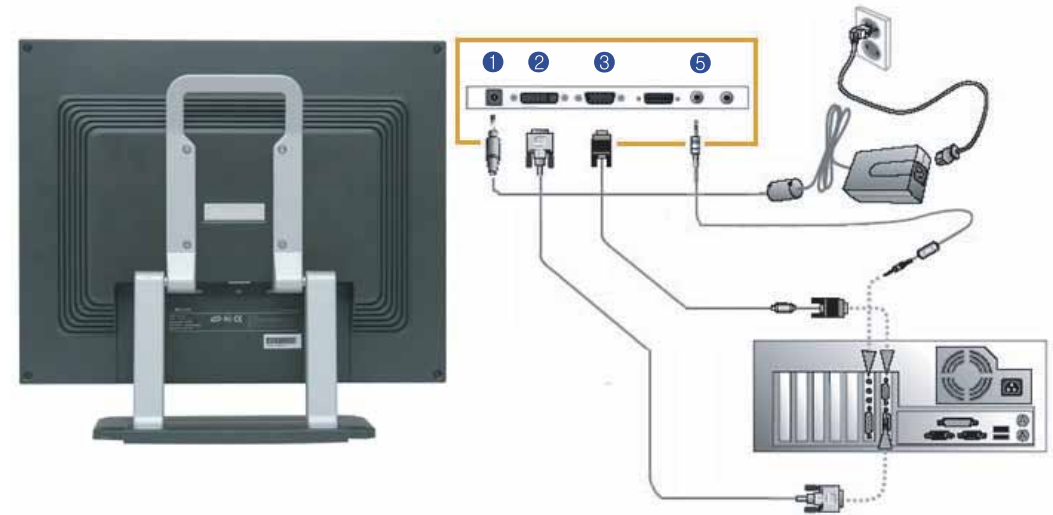
■ Remote control



- 1. SOURCE : In PIP mode, select the inputted signals between main and sub screen.
In Full screen mode, MAIN key is used for switching the signal, Sub Key is used to change to PIP mode.
- 2. POWER : Power ON / OFF
- 3. MUTE : Adjust the mute ON or OFF
- 4. Number : Select Channel directly
- 5. Q.VIEW : Automatically swaps to the previous channel
- 6. Setting Source : Select inputted signal by ONE-Touch [VIDEO⇄S-VIDEO / DVD⇄RGB⇄DVI]
- 7. Setting Display : Selecting between PIP, POP and PBP by ONE-TOUCH
- 8. S.CTRL : Select TV sound (not available)
- 9. AUTO : Optimizing picture in PC mode
- 10. SLEEP : Set the sleep timer
- 11. Volume : Adjust the Volume size or Change the lower rank matters of OSD Menu
- 12. MENU : Display Main Menu
- 13. EXIT : Remove the Menu
- 14. DISPLAY : Control Picture Scale
- 15. SWAP : Switch main / sub screen & Audio is changed accordingly in PIP mode
- 16. ZOOM : Adjust screen size in Normal mode.
Adjust Sub screen size or position in PIP mode
- 17. SELECT : Select mode between Display and Sound

■ Connecting PC

Chapter3. Peripheral Connection



- ◆ Connect AC/DC adaptor to Power Input on Monitor of picture② first then, Power cord should be firmly connected between an wall outlet and AC/DC adaptor.
- ◆ Connect DVI cable to DVI-D port on monitor of picture③ and DVI port on computer
- ◆ Connect VGA cable to D-sub port on monitor of picture④ and computer
- ◆ Connect Audio cable to Audio Input on monitor of picture⑥ and Audio output on computer