

SAFETY INSTRUCTION

14. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the Product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance, indicating a need for service.

▶▶ **CAUTION**

The power supply cord is used as the main disconnect device, ensure that the socket-outlet is located/installed near the equipment and is easily accessible.

▶▶ **ATTENTION**

Le cordon d'alimentation est utilisé comme interrupteur général. La prise de courant doit être située ou installée à proximité du matériel et être facile d'accès

CAUTION TO SERVICE PERSONNEL

POWER SUPPLY CORD IS USED AS MAIN POWER DISCONNECT DEVICE IN THIS PRODUCT. UNPLUG THIS PRODUCT FROM THE WALL OUTLET BEFORE REMOVING THE BACK COVER AND SERVICING

EMISSION CHARACTERISTICS TESTED BY SEMKO

THIS PRODUCT HAS BEEN TESTED AND HAS SHOWN COMPLIANCE WITH THE NATIONAL SPECIFICATIONS SUCH AS SWEDISH MPR 1990.10.(MPR II)

CAUTIONS

NEVER REMOVE THE BACK COVER

Removal of the back cover should be carried out only by qualified personnel.

DO NOT USE IN HOSTILE ENVIRONMENTS

To prevent shock or fire hazard, do not expose the unit to rain or moisture.

This unit is designed to be used in the office or home. Do not subject the unit to vibrations, dust or corrosive gases.

KEEP IN A WELL VENTILATED PLACE

Ventilation holes are provided on the cabinet to prevent the temperature from rising.

Do not cover the unit or place anything on the top of unit.

AVOID HEAT

Avoid placing the unit in direct sunshine or near a heating appliance.

TO ELIMINATE EYE FATIGUE

Do not use the unit against a bright back ground and where sunlight or other light sources will shine directly on the monitor.

BE CAREFUL OF HEAVY OBJECT

Neither the monitor itself nor any other heavy object should rest on the power cord. Damage to a power cord can cause fire or electrical shock.

FCC RF INTERFERENCE STATEMENT

►► NOTE :

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the 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 harmful 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.*
- *Only shielded interface cable should be used.*

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

DOC COMPLIANCE NOTICE

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the radio interference regulation of Canadian Department of Communications.

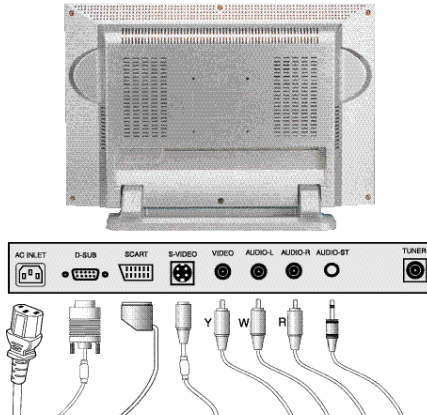
AVIS DE CONFORMATION AU MDC(DOC)

Le présent appareil numérique n'émet pas de bruits radio-électriques dépassant les limites appliqués aux appareils numériques de Class B d'après les règlements sur le brouillage radio-électrique conçus par le ministère des communications du Canada.

CONNECTING WITH EXTERNAL EQUIPMENT

▶▶ CAUTION

Be sure to turn off the power of your computer before connecting the monitor.



1. CONNECT THE VIDEO SIGNAL CABLE

- Connect one end of the signal cable to the back panel of the monitor and connect the other end to the graphic card on back of the computer.
- Secure the connection with the screws on the plug.

2. CONNECT THE POWER CORD

- Connect the female end of the power cord to the power input receptacle on the LCD Monitor.
Then, plug the male end of the power cord to an AC outlet or computer.

3. CONNECT THE A/V CABLE

- Connect the end of RCA (Yellow, White, Red) SCART or S-VHS cable to the terminals on the back of the Monitor.
- Connect an antenna or CATV cable to the terminal on the back of the Monitor. (Optional TV Tuner can be purchased from the dealer)
- Connect one end of stereo audio cable to the stereo jack on the back of the Monitor. (Connect another end of stereo audio cable to the "Audio(Line) out" terminal of the sound card on your computer or another audio equipment)
- Headphone may be connected to the headphone jack (option) on the left-hand side of the Monitor. (While Headphone is connected, the sound from the built-in speaker will be disabled)

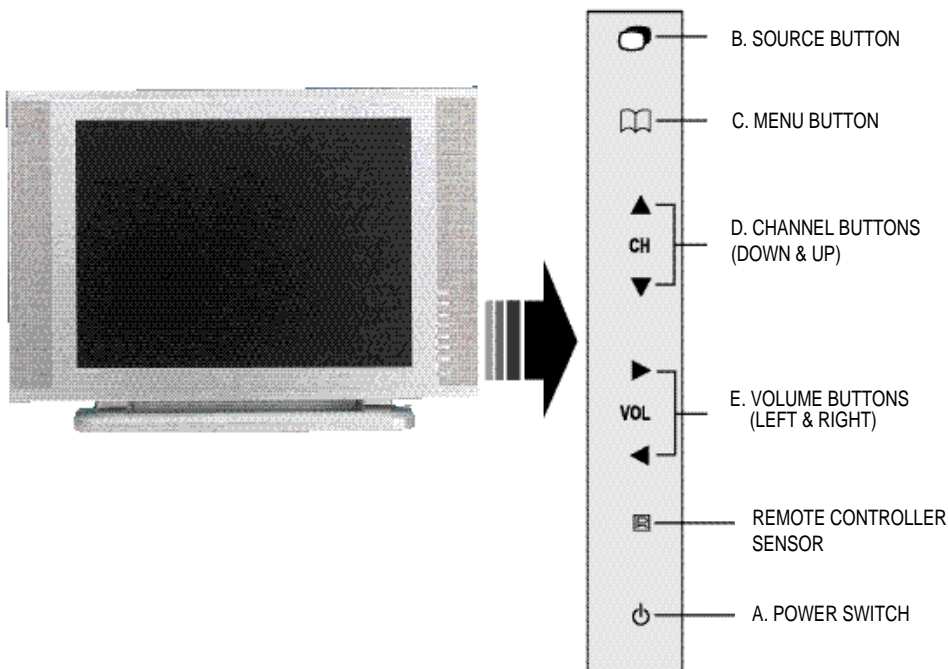
4. TURN THIS MONITOR ON AND START YOUR SYSTEM

5. CONNECT THE TUNER(OPTION)

”

PRESET MODES	RESOLUTION		FREQUENCY	
	H(Pixels)	V(Lines)	H(KHz)	V(Hz)
VGA	640	350	31.5	70
	720	400	31.5	70
	640	480	31.5	60
	640	480	37.5	75
MAC	640	480	35.0	67
VESA	800	600	37.8	60
	800	600	46.8	75

CONTROLS AND FUNCTIONS



A. POWER ON/OFF ()

Turns the power ON or OFF. There will be a few seconds delay before the display appears.

The power LED(next to the power switch) lights with green when the power is turned ON. The power is turned off by pressing the power switch again and the power LED goes Red.

B. SOURCE ()

Change input Source one by one
(PC, VIDEO, S-VIDEO, TV, SCART)

C. MENU ()

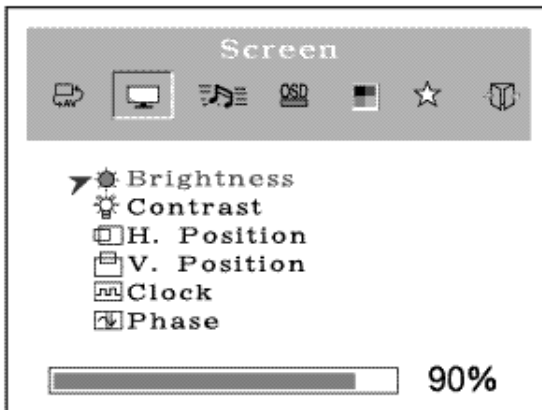
Activates and exits the On Screen Display.










This button can also be used to move previous menu or status.

OSD MENU(MAIN) : Input Source, Screen, Audio, OSD, Color, Utility, Exit.

CONTROLS AND FUNCTIONS

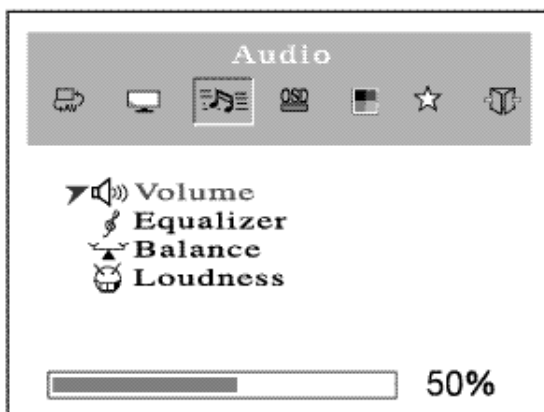
: Screen







-  : **Brightness**
Increase or decrease the intensity of the image.
-  : **Contrast**
Increase or decrease the intensity(lightness or dimness) of the image.
-  : **H. position (PC Mode Only)**
Move image horizontally on screen right or left.
-  : **V. position (PC Mode Only)**
Move image vertically on screen up or down.
-  : **Clock (PC Mode Only)**
Adjust the vertical noise of screen image.
-  : **Phase (PC Mode Only)**
Adjust the number of horizontal picture elements.
-  : **Hue (AV, NTSC Only)**
Adjust the tone of color.
-  : **Saturation (AV Only)**
Adjust the intensity of color level.
-  : **Sharpness (AV Only)**
Adjust the sharpness of video image.

CONTROLS AND FUNCTIONS

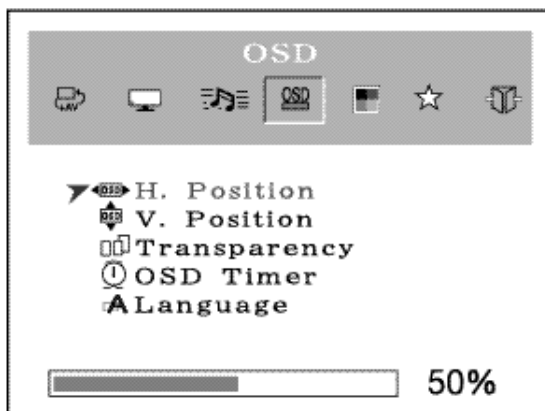
: Audio



-  : **Volume**
Adjust audio volume.
-  : **Equalizer (Loudspeaker Only)**
Boost / Cut specific frequency or compensate for frequency distortion of the sound.
Select preferred Sound setting: flat, music, movie, speech and Adjust the level of the Sound frequency in user mode.
-  : **Balance (Loudspeaker Only)**
Adjust the balance of left and right speaker sound.
-  : **Loudness (Loudspeaker Only)**
Compensate the sound to consider the frequency sensitivity of human ear.

CONTROLS AND FUNCTIONS

OSD : OSD



: **H. Position**

Move the OSD position to right() or left().

: **V. Position**

Move the OSD position to up() or down().

: **Transparency**

Select the OSD background.

: **OSD Timer**

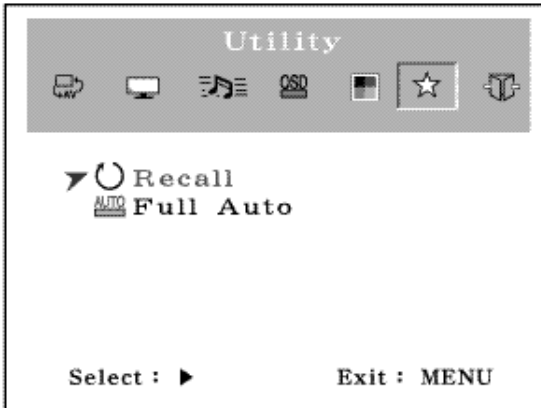
Select the OSD display timing.

: **Language**

Select a language among English, Français, Deutsch, Español, Danish, Italiano.

CONTROLS AND FUNCTIONS

☆ : Utility



↻ : Recall

Select to reset all setting to the factory default values.

AUTO : Full Auto (PC Mode Only)

Auto geometry and color adjustment.

ABC : Caption (NTSC Only)

Enable or disable closed caption feature(CC1, CC2, CC3, CC4).

Lock : Vchip (NTSC, US Only)

Initial passwords is "0000".

The V-chip can block certain rated television shows off (if chosen) so children cannot watch programs that parents do not approve. If the rating codes are higher than the preset values, the television signal will be displayed.

To select V-chip on OSD, Enter 4 digits of number

if you Enter a wrong number, "Invalid number" will be displayed.

CONTROLS AND FUNCTIONS

: TV Channel (Program)

This menu is possible to select, Input Source must be set 'TV'.



: Auto Search

Find available channels(Program) and save automatically.

: Fine Tuning

Adjust a mismatch between real and programmed channel(Program).

: Store / Clear

Select "Store" to save the channel(Program) or select "Clear" to remove the channel(Program).

: TV Type (NTSC Only)

Select Air or Cable TV system.

: Channel(Program) Swap (PAL or SECAM Only)

Change current channel number to new channel number user want to change(Channel number will be different with real channel number after execute this menu).

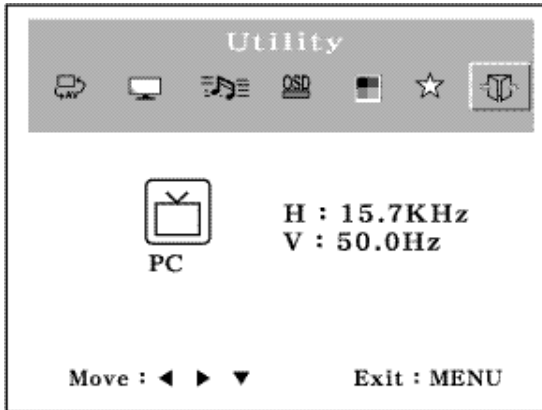
: Region

Select a channel system that is being used in your region.

<input type="checkbox"/>	USA, Korea	: NTSC(M)	W.EU, Scand	: PAL B/G
<input type="checkbox"/>	UK, Ireland	: PAL	E.EU, CIS	: SECAM D/K
<input type="checkbox"/>	M.East	: SECAM B/G	France	: SECAM L/L'

CONTROLS AND FUNCTIONS

 : **Exit**



 : **Exit**
Turn off OSD Menu.

REMOTE CONTROLLER FUNCTIONS

F. REMOTE CONTROLLER

1. POWER()

Turns the power ON or OFF. There will be a few seconds delay before the display appears.

2. SOURCE

Select pc or video(TV / Video / S-Video / SCART) sources.

3. MUTE

Mute the sound.

4. AUTOSCAN

Find available channels(programs).

5. MENU

Activates and exits the On Screen Display.

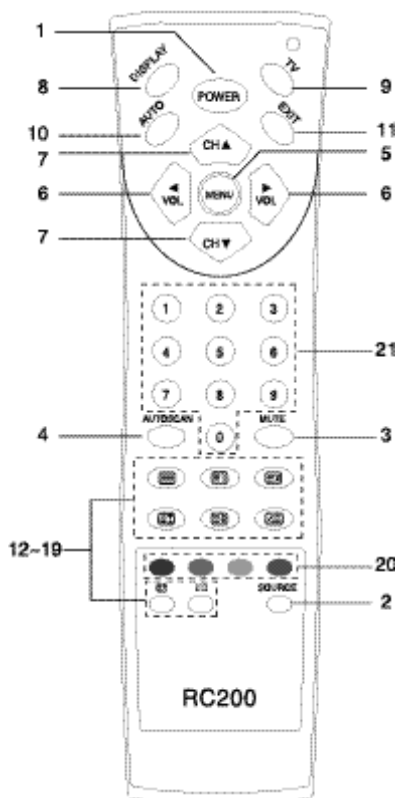
6. VOL()

Increases or decreases the level of audio volume.








7. CH()

Increases or decreases the channel number.

Up / Down the teletext page number in teletext mode



REMOTE FUNCTIONS

- 8. DISPLAY**
Channel display in TV Source.
- 9. TV**
Change Input Source to TV.
- 10. AUTO**
Auto geometry adjustment in PC Source.
- 11. EXIT**
Exit the On Screen Display.
- 12. TEXT ()**
Select Teletext display / Return to TV picture display.
- 13. INDEX ()**
Return to index page in teletext mode.
- 14. CANCEL()**
Display the TV picture on the screen while waiting for the new teletext page.
- 15. REVEAL()**
Reveal hidden text, such as Solutions of riddles or puzzles in teletext mode.
- 16. HOLD()**
Toggle hold on or off for current display page in teletext mode.
- 17. SIZE()**
Page expand in teletext mode.
- 18. SUBCODE()**
Select Sub page in teletext mode.
If Some page may be multiple in teletext, Select subcode Key and enter four digits for the page you need.
- 19. I/II(Multi-Channel TV Sound)**
Access I/II Setting(Stereo, Mono, Second Audio Selection) when a TV signal is received.
- 20. RED / GREEN / YELLOW / CYAN**
Change to associated page in the display block according to the acquisition mode while teletext operating.
- 21. 0, 1, 2, 3, . . . 9(Number Key)**
Using the 0, 1, 2, 3, . . . 9 Keys, the required channel or Teletext page are selected.
* Teletext, I/II function is optional.
The teletext functions only work in TV and Video.

REAR VIEW

G. AC INLET

Power cord connection.

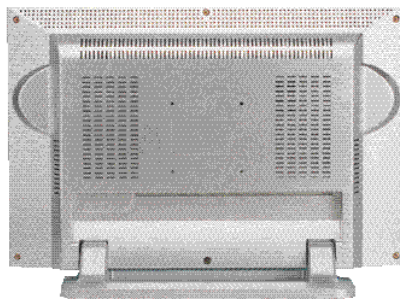


NOTE:

Power cord is used as main power disconnect device in this product.

H. D-SUB CONNECTOR

Connect to the video signal cable.



G. AC INLET

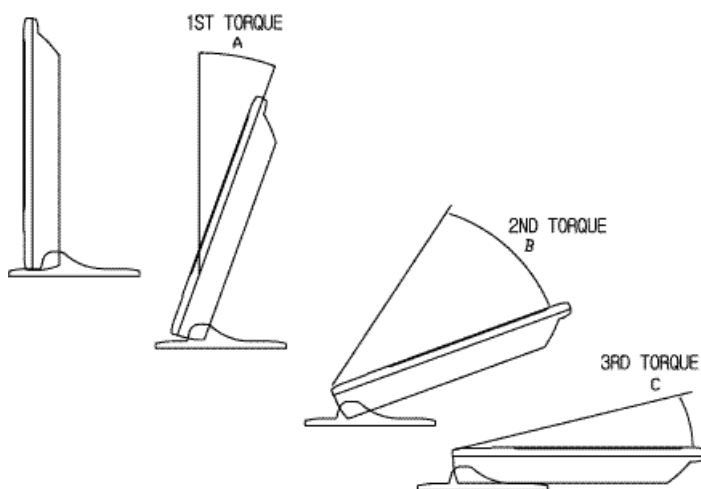
H. D-SUB CONNECTOR



ACCESSORY

1. POWER CORD
2. REMOTE CONTROLLER
3. USER'S MANUAL
4. A/V CABLES(Optional)
5. Batteries (TYPE AAX2)

STAND SLOPE



TORQUE BY POSITION

Recommend that the slope from 0 to 20 degree.
 In case of the degree is more than 20, please refer below sheet.

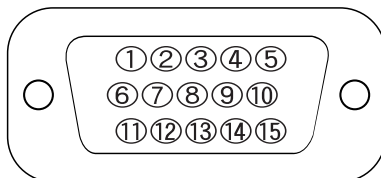
FOLD POSITION	SLOPE	TORQUE(kgf cm)
A	-3 ~20	23~27
B	20 ~80	78~85
C	80 ~95	23~27

D-SUB CONNECTOR PIN ASSIGNMENTS

► PIN ASSIGNMENTS

Pin 1	RED VIDEO	9	
2	GREEN VIDEO	10	SIGNAL CABLE DETECT
3	BLUE VIDEO	11	GROUND
4	GROUND	12	SDA(for DDC)
5	GROUND	13	H-SYNC.(or H+V SYNC.)
6	RED GROUND	14	V-SYNC.
7	GREEN GROUND	15	SCL(for DDC)
8	BLUE GROUND		

D-SUB



POWER MANAGEMENT

This monitor features a power management system to “power down” upon receipt of the VESA DPMS(The display power management signaling) from a VESA DPMS video card. The VESA DPMS-compliant video card performs this signaling system through not sending horizontal, vertical, or sync signal. This monitor enters an appropriate mode through identifying each of the three modes of the signaling system.

POWER CONSUMPTION

MODE	POWER CONSUMPTION
ON	< 50W
STANDBY	< 5W
SUSPEND	< 5W
ACTIVE OFF	< 5W

LED INDICATOR

The power management feature of the monitor is comprised of four stages : On(Green), Standby, Suspend, Active off(Amber) and Unsupported mode(Green).

MODE	LED COLOR	MONITOR OPERATION
ON	GREEN	Normal Operation
STANDBY	AMBER	Screen blanks after preset idle time and some electronic circuits or all circuitry in the monitor shut down.
SUSPEND		
ACTIVE OFF		
UNSUPPORTED MODE	GREEN	Normal operation but the on screen display will show error message.
POWER OFF	RED	Not operation

TROUBLESHOOTING GUIDE

TROUBLE	TROUBLESHOOTING TIP
No image on display screen	<ol style="list-style-type: none"> 1. Check that power cord of the Monitor have been connected securely into wall outlet or grounded extension cable or strip. 2. Power switch should be in the ON position and LED is lit. 3. Check that the Brightness and/or the Contrast adjustments of the Display have not been turned down to minimum levels.
“Check Input Signal” message on screen	<ol style="list-style-type: none"> 1. The signal cable should be completely connected to the video card/computer. 2. The video card should be completely seated in its slot and the computer is switched ON.
Display image is not centered, too small or too large in PC mode	Push the down key in front side or Auto key in remocon.
Vertical or Horizontal noise is present in the picture	Adjust Clock and Phase in the OSD.