



Head Office : 327-14, Dangeong-dong, Kunpo-city Kyungki-do, 435-030, Korea
Tel : 82-31-443-3625,3626, Fax : 82-31-443-3627
Research Center : 2F Sungsim bldg. 113-10, Samsung-dong Kangnam-gu, Seoul, 135-090, Korea
Tel : 82-2-563-0999, Fax : 82-2-563-1279
E-mail : sales@maxmediakr.com



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 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 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 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.

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TFT LCD MONITOR
Slimax

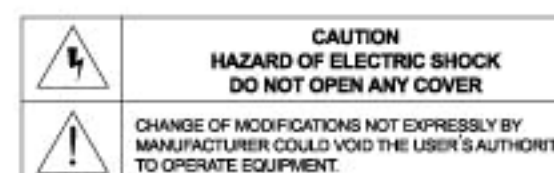
MF151S
MF151SU

Owner's Manual



Safety Instructions

- Before connecting the AC power cord to the DC adapter outlet, make sure the voltage rating of the DC adapter corresponds to the local electrical supply.
- Never insert anything metallic into the cabinet openings of the liquid crystal display (LCD) monitor; doing so may create the danger of electric shock.
- To avoid electric shock, never touch the inside of the LCD monitor. Only a qualified technician should open the case of the LCD monitor.
- Never use your LCD monitor if the power cord has been damaged. Do not allow anything to rest on the power cord, and keep the cord away from areas where people can trip over it.
- Opened ventilation of monitor cabinet is provided for heated air to prevent overheating, these openings should not be blocked or covered. Also, avoid using the LCD monitor on a bed, sofa, rug, or other soft surface. Doing so may block the ventilation openings in the side of basement. If you put the LCD monitor in a bookcase or some other enclosed space, be sure to provide adequate ventilation.
- Don't put your LCD monitor in a location with higher humidity and a maximum of dust.
- Do not expose the LCD monitor to rain or use it near water (in kitchens, near swimming pools, etc.). If the LCD monitor accidentally gets wet, unplug it and contact an authorized dealer immediately. You can clean the LCD monitor with a damp cloth when necessary, but be sure to unplug the LCD monitor first.
- Place the LCD monitor on a solid surface and treat it carefully. The screen is made of thin glass with a plastic front surface and can be damaged if dropped, hit or scratched. Do not clean the front panel with Keton-type materials (e.g., acetone), ethyl alcohol, toluene, ethyl acid, methyl, or chloride - these may damage the panel.
- Put your LCD monitor near an easily accessible AC outlet.
- If your LCD monitor does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorized dealer or service center.
- High temperature can cause problems. Don't use your LCD monitor in direct sunlight, and keep it away from heaters, stoves, fireplaces, and other sources of heat.
- Unplug the LCD monitor when it is going to be left unused for an extended period of time.
- Unplug your LCD monitor from the AC outlet before any service.




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Contents of Box

Please make sure the following items are included with your monitor. If any items are missing, contact your dealer.


User Manual



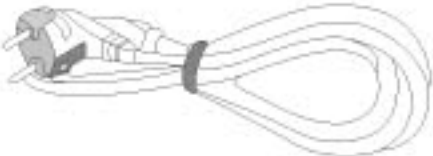
Monitor




AC/DC Adapter




Power Cord



15-pin D-Sub Signal Cable



USB Cable (MF151SU Model)



Set up

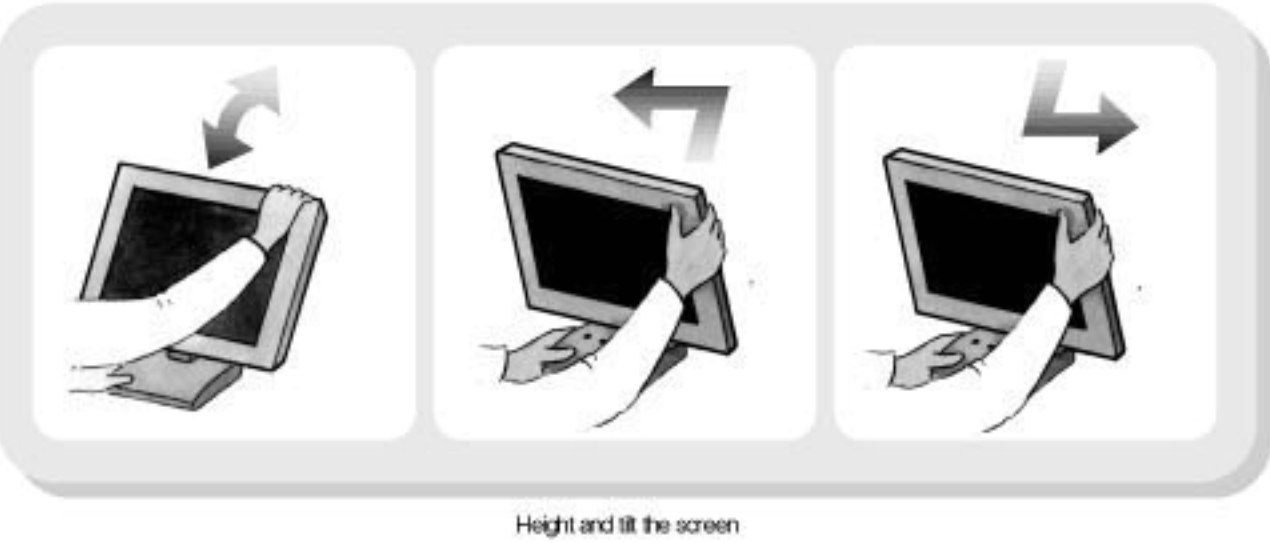
Setting up an Ergonomic Working Environment

Consider the advice given below before you install your monitor.

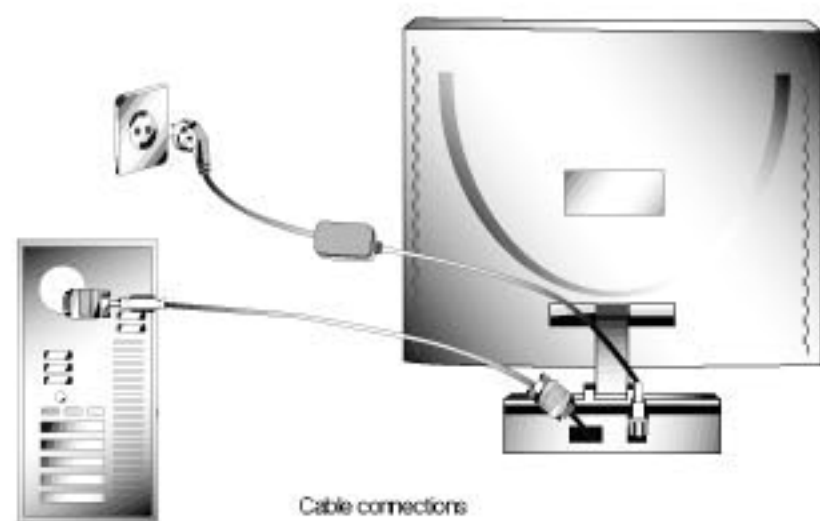
Monitor location
Choose a position that exposes your monitor to the least reflection from lights or windows, usually at a right angle to any window.

Height
Place your LCD monitor so that the top of the screen is slightly below your eye level when you are comfortably seated.

Tilt
Tilt the screen so as you feel comfortable working with your monitor.



Connecting Your LCD Monitor (MF151S Model)

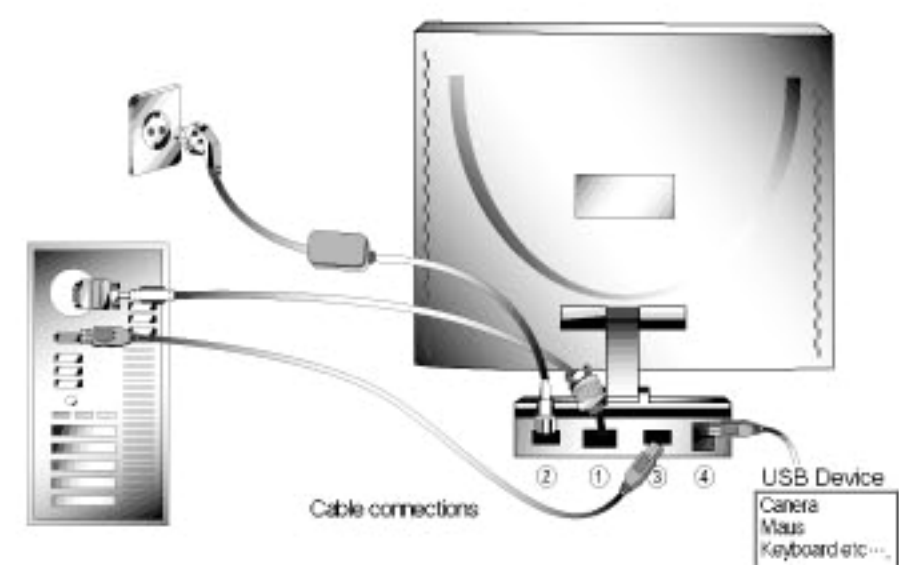


- A. Connect the power cord to the AC/DC power adapter and connect the adapter jack to the DC12V power port on the rear of your monitor.
- B. Connect the signal cable from monitor to the video port on your computer.

Plug and Play

The adoption of the new VESA® Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system without the usual hassles and confusion. Your PC system can easily identify and configure itself for use with your display. This monitor automatically tells the PC system its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the PC system can automatically configure itself to use the flat panel display. If your PC system needs a video driver, set to XGA(1024×768)@75Hz monitor as default or Flat panel.(1024×768)

Connecting Your LCD Monitor (MF151SU Model)



- A. Connect the power cord to the AC/DC power adapter and connect the adapter jack to the DC12V power port on the rear of your monitor.
- B. Connect the signal cable from monitor to the video port on your computer.
- C. Connect the USB Cable to Upstream port ③ on the monitor
- D. The devices connect to the USB port ④ on the monitor

Plug and Play

The adoption of the new VESA® Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system without the usual hassles and confusion. Your PC system can easily identify and configure itself for use with your display. This monitor automatically tells the PC system its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the PC system can automatically configure itself to use the flat panel display. If your PC system needs a video driver, set to XGA(1024×768)@75Hz monitor as default or Flat panel.(1024×768)

Monitor Self-Test

Your monitor provides a self-test function that allows you to check whether your monitor is working properly. Check your monitor by following the steps:



Power Status Indicator

- Turn off both your computer and the monitor.
- Unplug the video cable from the back of the computer.
- Turn on the monitor.
- Message will be shown "Power Saving Mode" and disappear message after 3 seconds.
- Turn off your monitor and reconnect the video cable; then turn on both your computer and monitor.
- If your monitor screen remains blank after following the previous procedure, check your video Controller and computer system; your monitor is functioning properly.

Help Index

If your monitor does not display an image, check your cable connections and refer to "Troubleshooting" on page 16. If you feel difficult to get optimized displayed image, run Auto Configuration (see page 12) and refer to "Adjusting Your LCD Monitor " on page 9, 12 or "Troubleshooting" on page 16.

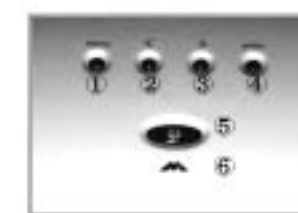
Warm-up Time

All LCD monitors need time to become thermally stable whenever you turn on the monitor after letting the monitor be turned off for a couple of hours. Therefore, to achieve more accurate adjustments for parameters, allow the LCD monitor to warm (be on) for at least 30 minutes before making any screen adjustments.

Adjustment of Your LCD Monitor

User Controls

Your LCD monitor allows you to easily adjust the characteristics of the image being displayed. All of these adjustments are made using the control buttons on the front of the monitor. While you use these buttons to adjust the controls, an on-screen menu shows you their numeric values as they change.



User control locations

No.	Name	Descriptions
①	menu	• OSD (On Screen Display) On/OFF • Sub Menu Exit
②	<	• OSD Menu Navigation right direction • Selected Menu Value control • Brightness Control Direct Access
③	>	• OSD Menu Navigation left direction • Selected Menu Value control • Brightness Control Direct Access
④	enter	• OSD Menu Select • Auto Configuration Direct Access
⑤	Power	• Turns on and off Power the monitor
⑥	LED indicator	• Green : Normal Operation • Amber : Power Saving Mode or Disconnected Signal Cable • Off : Turns off the monitor

Automatic Save

Whenever you open the on-screen menu and allow an adjustment window to remain active for about 40 seconds without pressing other buttons, the monitor automatically saves any adjustment you have made.

These changes are saved into a user NVRAM(Non Volatile RAM) in the monitor.

The monitor can save adjustments for up to 5 user modes. It has 13 factory preset or preload modes, one for each signal frequency as listed in table on page 14. If you have made no adjustments, the on-screen menu disappears and the monitor does not save anything.

Display Modes

No	Mode	Resolution	Sync	Polarity	Pixel Frequency	Sync Frequency	
1	VGA	640 x 350	H(Pixels)	+	25.175MHz	31.468KHz	
			V(Lines)	-		70.0Hz	
2		720 x 400	H(Pixels)	-	28.322MHz	31.468KHz	
			V(Lines)	+		70.0Hz	
3		640 x 480	H(Pixels)	-	25.175MHz	31.469KHz	
			V(Lines)	-		60.0Hz	
4		640 x 480	H(Pixels)	-	30.24MHz	35.00KHz	
			V(Lines)	-		66.67Hz	
5		640 x 480	H(Pixels)	-	31.5MHz	37.50KHz	
			V(Lines)	-		75.0Hz	
6		SVGA	800 x 600	H(Pixels)	+	36.0MHz	35.156KHz
				V(Lines)	+		56.25Hz
7	800 x 600		H(Pixels)	+	40.0MHz	37.879KHz	
			V(Lines)	+		60.3Hz	
8	800 x 600		H(Pixels)	+	50.0MHz	48.077KHz	
			V(Lines)	+		72.188Hz	
9	800 x 600		H(Pixels)	+	49.5MHz	46.875KHz	
			V(Lines)	+		75.0Hz	
10	MAC		832 x 624	H(Pixels)	-	57.283MHz	49.725KHz
				V(Lines)	-		74.55Hz
11	XGA		1024 x 768	H(Pixels)	-	65MHz	48.363KHz
				V(Lines)	-		60.0Hz
12		1024 x 768	H(Pixels)	-	75MHz	56.476KHz	
			V(Lines)	-		70.0Hz	
13		1024 x 768	H(Pixels)	+	78.75MHz	60.023KHz	
			V(Lines)	+		75.0Hz	

Specifications

Category	Items	Descriptions
Image	Display Type	Active Matrix Color TFT LCD
	Diagonal Size	15.1" (H: 30.7cm, V: 23 cm, D: 38cm)
	Pixel Pitch	0.3 mm * 0.3 mm
Optical	Luminance	170 cd/m ² (min.), 200 cd/m ² (typ.)
	Color Temperature	Color 1 Color 2 User
	Viewing Angle	120 Deg.(H), 90 Deg.(V) <Typ.>
	Contrast Ratio	200 : 1 (Typ.)
	Color Depth	262,144 Colors (18Bits)
Electrical	Input Frequency	Horizontal : 31~60kHz / Vertical : 56~75Hz
	Max. Resolution	XGA (1024 * 768) @75Hz
	Connector	15 Pin D-sub
	Control type	Digital OSD Control
	User control	5 key buttons
	Power Input Volts/Freq	100 ~ 240 VAC(Power Free) 50/60Hz
	Power Consumption	Max. [25W], Power Saving Mode [5W]
Plug & Play	DDC	2B
	EDID	1.3
	USB	1Up / 2Down(MF151SU Model)
Mechanical	Dimension Set Size	397 * 165 * 374mm [W*D*H]
	Box Size	468 * 250 * 440mm [W*D*H]
	Weight Net	4.5Kg
	Gross	6.32Kg
Environment	Operation Temperature	50°F to 104 °F(10 °C to 40 °C)
	Humidity	10% to 80%
	Storage Temperature	13°F to 113 °F(-25 °C to 45 °C)
	Humidity	5% to 95%
Regulatory	Safety	UL 1950, CSA C22.2 No. 950, EN60950
	EMI	FCC Class B, EN55022
	VCCI	Class B
	MIC	Class B

Trouble Shooting

If you have a problem to set up or to use your LCD monitor, you may be able to solve it yourself. Before contacting customer service, try the suggested actions that are appropriate to your problem.

Symptoms	Corrective Action	Reference
Blank Screen Power Indication is off	Make sure that the power cord is firmly connected	Connecting your LCD monitor - page 7
Power indicator is Amber "Power saving Mode"	Make sure that the signal cable is firmly connected to PC Make sure that PC is turned on.	Connecting your LCD monitor - page 7
Power indication is Green "Input Not Supported"	Make sure max. resolution and frequency of Video adapter of PC and check your video card support DDC and Plug and Play.	Display modes - page 14 Specification - page 15
Too dark or high Image	Control Brightness or Contrast	OSD functions and adjustment -page 12
Horizontal vertical noise or jitter	Execute the Auto Configuration Control the Phase and Clock	OSD functions and adjustment -page 12
Horizontal or vertical position is not to center	Execute the Auto Configuration Control the Position	OSD functions and adjustment -page 12
USB device is not operate	Make sure your USB devices working properly as connecting it to your computer directly	USB device Owner's manual -page 8