LCD MONITOR USER MANUAL

GETTING STARTED

WARNING: Do not operate the LCD monitor with unspecified power supply. Usage of incorrect voltage will cause malfunction and may cause fire or electric shock.

Features

- Supports SXGA resolution of 1280x1024 pixels
- VESA DPMS-compliant power saving
- Digital Character Smoothing
- Automatic Set-Up
- Windows 9X/ME/2000/XP Plug & Play Compliant
- Versatile, functional & User friendly OSD
- Plug & Play: Conform to the VESA standards and support DDC1/2B spec.

Unpacking and Checking of the Package Contents

Before unpacking your LCD Monitor, prepare a suitable workspace for your LCD Monitor and computer. You need a stable, level, and clean surface near a wall outlet.

1. Set the LCD Monitor box in an upright position and open from the top of the box before removing the right/left cushions.
2. Remove the back cover from your monitor (pull from the bottom of cover to open) to install your PC system.

Accessories

1 pc	1 pc	1 pc	1 pc	1 pc
VGA Cable	AC/DC Adaptor	Power Cord	User's manual	Stereo audio Cord

Installing the Monitor

DO NOT install the monitor where sudden temperature changes may occur, or in humid, dusty, or smoky areas as it may cause fire, electric shock or damage.
DO NOT place your LCD Monitor near a window as it may be severely damaged if exposed to rain, water, moisture, or sunlight.
**MAINTAIN** good ventilation; covering of ventilation slots or holes may cause fire.
PLACE the monitor at least 4" (or 10 cm) way from the walls
SAFE storage temperature of the LCD Monitor is in a range of -20 to +65℃.

Connecting the monitor to the PC

1. Turn off your PC and the LCD Monitor before connecting your LCD monitor to the PC.
2. Connect the VGA signal cable to the VGA port of the PC system and the VGA port of the LCD monitor. Make sure the cable head is securely connected.
3. Plug the DC connector of the adaptor to your monitor's DC jack. The DC jack is the back of the LCD monitor.
4. Plug the female end of the power cord into the AC adaptor.
5. Connect the male end of the power cord into a wall socket.
6. Turn on your LCD Monitor, and then turn on your computer.
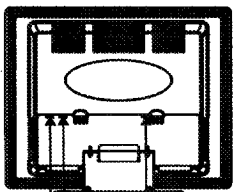
① VGA connector	Connect to the VGA port of PC via the VGA signal cable
③ PC IN	Connect to the Audio Card of PC via the stereo audio cord
② Power	Plug into the AC power adapter.

① VGA connector
③ PC IN
② 12V DC power adapter

NOTE

For added protection, it is recommended to use a Surge Protection device plugged between the AC Adapter and the electrical wall outlet to prevent the effects of sudden current variations from reaching the LCD Monitor. Sudden peaks of electricity may cause damage to the Monitor.
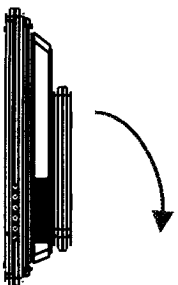
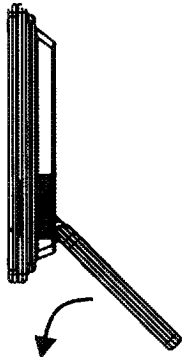## INSTALLING THE PEDESTAL OF THE LCD MONITOR
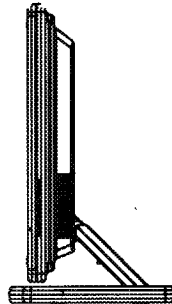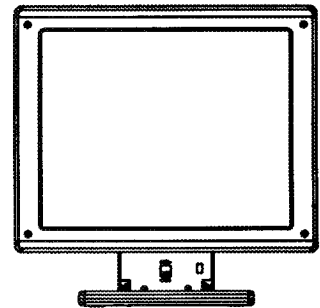
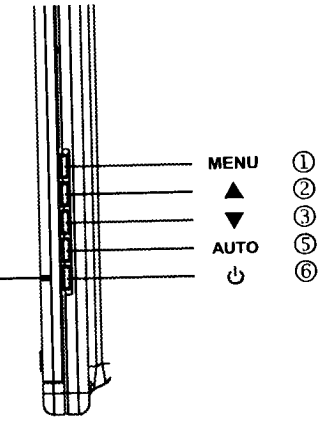Figure 1   Figure 2   Figure 3   Figure 4

OPERATING THE MONITOR

The LCD monitor has been preset at the factory with the Timing shown in Appendix to create optimal picture. Users are also able to adjust the picture to the desired quality by following the instructions.
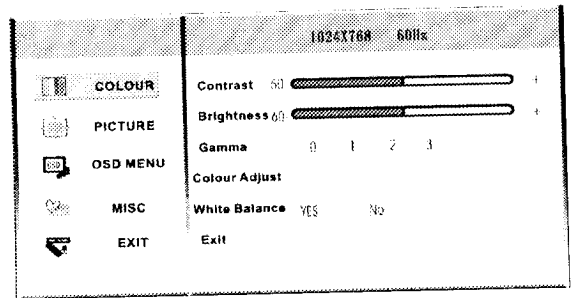
Button	Function
① MENU Button	Press to bring up the On Screen Display and select main menu items or enter submenu items
② ▲ Up key	Move the cursor and increase values of the selected item in the OSD.
③ ▼ Down key	Move the cursor and decrease values of the selected item in the OSD.
④ LED power indicator	Green—Normal operation Orange—Power Management (i.e. DPMS mode: reduces power consumption < 5W when receiving no horizontal and/or vertical sync signal)
⑤ Auto Button	Automatically adjust the clock, phase, H/V position values for the most optimal settings.
⑥ Power Button	For turning ON/OFF the monitor

MENU ①
▲ ②
▼ ③
AUTO ⑤
⏻ ⑥

How to Use the OSD (On Screen Display)

OSD function allows the user to easily adjust the display to the desired quality

Structure of OSD

COLOUR
PICTURE
OSD MENU
MISC
EXIT

1024X768   60Hz

Contrast
Brightness
Gamma   0   1   2   3
Colour Adjust
White Balance   YES   No
Exit

Operating Procedure

1. Power on the LCD monitor.
2. Press "MENU" to pop up OSD menu.
3. Press "▲" or "▼" to select main menu item.
4. Press "MENU" to select sub menu item or go back to menu.
5. Press "▲" or "▼" buttons to adjust.

The Adjustment of Monitor's Screen Display

There are two ways to adjust the monitor's screen, i.e. auto adjustment and manual adjustment.

Auto adjustment
1. .Power ON the LCD monitor and computer.
2. Select "AUTO" of OSD button.
3. The auto adjustment is started. " AUTO " will be displayed during auto adjustment. It takes about 10 seconds to finish.

AUTO

AUTO

3

Manual adjustment

a)Power ON the LCD monitor and computer.
b)Adjust according to the aforementioned " Operating Procedure" and " Menu"
Table to adjust the screen to your favorable screen display.

OSD Shortcut Key
This function can adjust " volume" as a matter of convenience for *users*.

a)When OSD is not display ,Press the " ▲" Or "▼" buttons can adjust the volume.

VOLUME
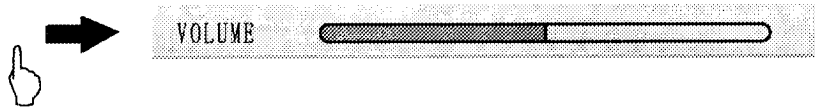
b)When OSD is not display ,Press the " AUTO" button can automatically
adjust the clock, phase, H/V position values for the most optimal settings.

AUTO ➡ A UT O
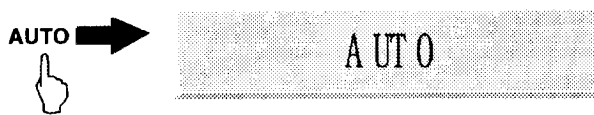
Adjusting the Viewing Angle
Your LCD Monitor is designed to allow you to adjust it to an optimal viewing angle.
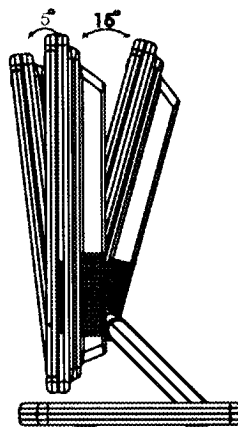
NOTE
**Do not touch the screen while changing the viewing angle. It may damage
the screen. Make sure not to catch your fingers while changing
the viewing angle.**

Menu Table
COLOUR

Contrast	It can be adjust image get distinct or vague
Brightness	It can be adjust image get dark or bright
Gamma	Set gamma (0) 1.0, (1) 1.1, (2) 1.2, (3) 1.3
Colour Adjust	Set favorite color of red, green, and blue
White Balance	Adjust image get light and dark balance
Exit	Go back to MENU

PICTURE

H. Position	It can be moved to left or right side of image
V. Position	It can be moved to up or down side of image
Sharpness	To mark the image become soft
Phase	Adjust remove noise and sharpen the image
Clock	Adjust frequency to fill display
Exit	Go back to MENU

OSD MENU

Language	Support 8 languages
OSD H. Position	It can be moved to left or right side of OSD
OSD V. Position	It can be moved to up or down side of OSD
OSD Timer	It can adjust OSD display time
Translucent	Change OSD background
Exit	Go back to MENU

MISCELLANEOUS

Signal Source	D-SUB(PC only), DVI,
Mode Select	Change model 640x400 or 720x400
Reset	Recall Default value
Volume	Set Volume
Exit	Go back to MENU

EXIT

FOR YOUR SAFETY

WARNING

ALWLAYS OPERATE UNDER SPECIFIED POWER SUPPLY
Usage of incorrect voltage will cause malfunction and may cause fire or electric shock.

PROTECT and CORRECTLY USE THE CABLE
Do not pull or bend the power cable and signal cable or place the monitor or any heavy objects on the cables. If the cables are damaged, they may cause fire or electric shock.

IMMEDIATELY STOP OPERATING THE MONITOR WHEN YOU DETECT ANY ABNORMAL OCCURENCE
If you notice any abnormal phenomenon such as strange noise, smoke or smells, unplug the monitor and contact your dealer or the nearest service center immediately. If this LCD monitor is used, they may cause fire or electric shock.

DO NOT REMOVE THE CABINET
Removing the cabinet may expose you to the danger of fire or electric shock.

DO NOT PUT ANY FOREIGN OBJECT INSIDE THE MONITOR
It may cause fire, electric shock or damage when operating the monitor with foreign objects inside.

DO NOT USE THE MONITOR NEAR WATER
Operating the monitor in close proximity to water where the water may be spilt or splashed onto the monitor may cause fire or electric shock.

BAD WEATHER CONDITIONS
It is advisable not to operate the monitor during heavy thunderstorms as intermittent breaks in power may cause malfunction. Do not touch the plug under these circumstances as it may cause electric shock.

OTHERS

ERGONOMICS RECOMMENDATIONS
Do not operate the monitor in a dark room or against a bright background. For optimal viewing comfort, the monitor should be just below eye level and 40-60 cm (16-24 inches) away from your eyes. When using the monitor over a prolonged period of time, a ten-minute-break per hour is recommended, because eyes will be tired when watch the screen at a long time.

SPECIAL NOTES ON LCD MONITORS

The following are normal with LCD monitors and do not indicate a problem.

When first turning on the LCD monitor, if the picture does not fit in the display area, it is because of the type of computer that is used. In such case, adjust the picture position to its correct position. (See Operating the Monitor)

The screen may flicker during initial use. Turn off the power switch and then turn it on again the flickering should disappear.

Users may notice a little uneven brightness on the screen depending on the desktop pattern they use. It is normal for LCD monitors to show such uneven brightness.

Due to the nature of the LCD screen, switching of images after a prolonged period of time of displaying the same image, the image from the previous screen may remain. In such case, the screen is recovered slowly by changing the image or turning off the power switch for hours.

If the screen becomes dark, flickers, or does not light-up, contact your dealer or the nearest service center for a backlight replacement. Do not attempt to replace it yourself.

Cleaning

WARNING

●If you dropped any material or liquid such as water onto the monitor when cleaning, unplug the power cable immediately and contact your dealer or the nearest service center. Always make sure your hands are dry when unplugging the power cable.

CAUTION

For safety reasons, turn-off the power switch and unplug the monitor before cleaning.
Do not scratch or rub the screen with a hard object.
Never use any of the following solvents on the LCD monitor. Such harsh chemicals may cause damage to the cabinet and the LCD screen.
Thinner Spray-type cleaner corrosive cleaner Acid or Alkaline solvent Abrasive cleaner Wax
Rubbing the cabinet with products made of rubber or plastic for a long period of time may cause degeneration or loss of paint on the cabinet.

Cabinet

Remove dirt with a lightly moistened cloth and a mild solvent detergent. Then wipe the cabinet with a soft dry cloth.

LCD

Periodic cleaning with a soft dry cloth is recommended.
Do not use tissue to clean the screen. It may damage the LCD screen.

Supported Timing

RESOLUTION	Refresh Rate	Horizontal Frequency	Pixel Frequency	Standard Type	Remarks
640 x 400	70 Hz	31. 46 KHz		VESA Standard	
720 x 400	70 Hz	31. 46 KHz		VESA Standard	
640 x 480	60 Hz	31. 50 KHz	25. 175 MHz	Industrial Standard	
	72 Hz	37. 90 KHz	31. 500 MHz	VESA Standard	
	75 Hz	37. 50 KHz	31. 500 MHz	VESA Standard	
800 x 600	60 Hz	37. 9 KHz	40. 000 MHz	VESA Guideline	
	72 Hz	48. 10 KHz	50. 000 MHz	VESA Standard	
	75 Hz	46. 90 KHz	49. 500 MHz	VESA Standard	
1024 x 768	60 Hz	48. 40 KHz	65. 000 MHz	VESA Guideline	
	70 Hz	56. 5 KHz	75. 000 MHz	VESA Standard	
	75 Hz	60. 00 KHz	78. 750 MHz	VESA Standard	
1280 x 1024	60 Hz	64. 00 KHz	108. 000 MHz		DVI No Support
	75 Hz	80. 00 KHz	135. 000 MHz		DVI No Support

Troubleshooting Procedures

If the LCD monitor fails to function correctly, please follow the following steps for a possible solution.

1. Perform the adjustments according to Operating the Monitor.
2. Refer to the following items if you cannot find a proper item listed in the Operating the Monitor or if the problem remains.
3. If the problem you have experienced is not described below or you cannot correct the problem, stop using the monitor and contact your dealer or the nearest service center for further assistance.

PROBLEM	CHECK TO SEE
No Display.	
a) Power indicator does not light up.	If the power cord is firmly plugged in the socket.
	If the power switch is turned on.
	If the AC socket is OK. Please check using another piece of equipment.
b) Power indicator is green.	If the blank screen saver is active, touch the keyboard or mouse.
	Increase the CONTRAST and/or BRIGHTNESS.
	If the signal timing of the computer is within the spec of the monitor.
c) Power indicator is orange.	If the monitor is on power management mode, touch the keyboard or the mouse.
	If the computer is ON.
	If the signal cable is properly connected.
	If the signal timing of the computer is within the spec.
Display is too dark or too bright.	If the video output level of the computer is within the spec.
Display is not in the center.	If the signal timing of the computer is within the spec.
Display is shaking	If the power voltage is within the spec.
	If the signal timing of the computer is within the spec.
Display is not synchronized.	If the signal cable is properly connected.
	If the signal timing of the computer is within the spec.
	If the video output level of the computer is within the spec.

4. When " NO SIGNAL" is displayed:

No signal

(1) Check if the signal cable is connected correctly to the computer.
(2) Check if the cable is broken.

Power Management

The LCD Monitor complies with the VESA DPMS (version 1.0p) power management proposal. The VESA DPMS proposal provides four phases of power saving modes by detecting the horizontal or vertical sync signal.

Item	DPMS Mode	Display	Power indicator	Power Consumption	Recovery Time	H-sync	V-sync
1	On	Normal	Green	Normal	---	On	On
2	Stand By	No Display	Orange	≤ 5W	3 secretary	Off	On
3	Suspend	No Display	Orange	≤ 5W	3 secretary	Off	Off
4	Off	No Display	Orange	≤ 5W	3 secretary	Off	Off

CONFORMITY AND COMPLIANCE
FCC Compliance Statement

Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

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. See 47 CFR Sec. 15.19(3).

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 when the equipment is operated in a residential installation. This device 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 device does cause harmful interference to radio or television reception (this can be determined by turning, the device off and on), you are 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 the 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.

Caution:
To comply with the limits for an FCC Class B computing device, you should use the shielded signal cord and shielded power cord supplied with this unit. The Federal Communication Commission warns that changes or modifications of the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radio Frequency Interference Statement

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