

TFT-LCD monitor

# User's Manual

Ver. 1.0



Distributed by :



Thank you for your selection of new TFT LCD Monitor.  
Please take a few minutes to read this User's manual for the best performance of this monitor.  
Information in this manual is subject to change without prior notice for improving design, function and etc.  
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## Package Contents

Your TFT-LCD monitor box should contain the following :

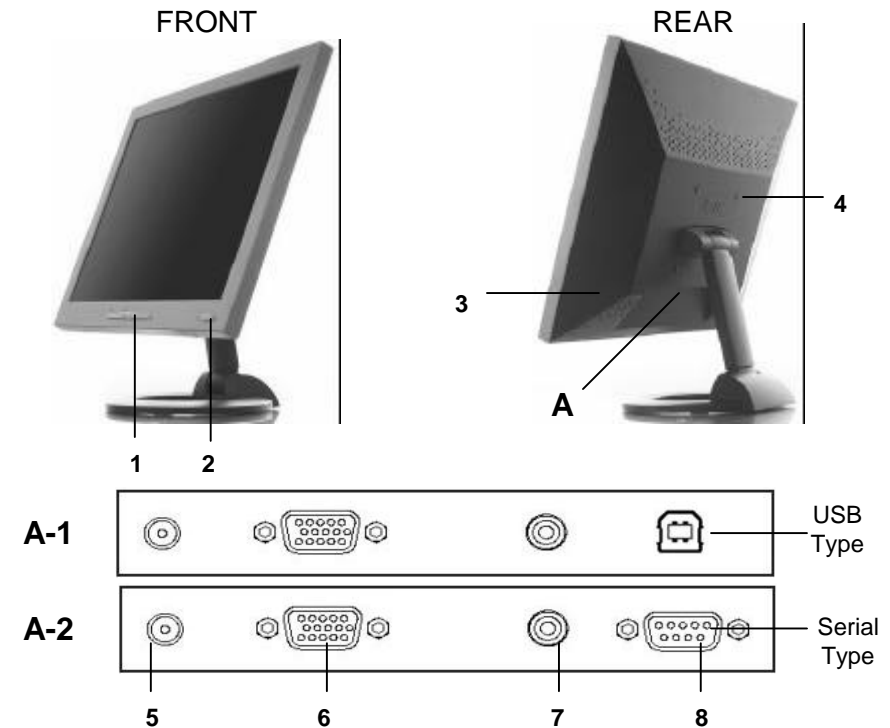
### STANDARD PARTS

- **TFT-LCD monitor**
- **DC Power adapter**
  - Connects to DC IN port on the base of monitor
- **Power cord**
  - Connects wall outlet to DC Power adapter
- **D-SUB 15pin VGA cable**
  - Connects PC to LCD monitor
- **User's manual**

### OPTIONAL PARTS

- **Stereo audio cable**
  - Connects PC sound card to audio input port on the monitor
- **Touch software**
  - Touch installation driver
- **Touch interface cable**
  - USB cable or serial cable
  - Connects PC to LCD monitor

## Monitor Parts




1. OSD control button
2. Power button & LED indicator
3. Speaker holes (Speakers are optional)
4. VESA standard hole (75mm x 75mm)
5. Power input connector
6. D-SUB 15 pin VGA input connector
7. Audio IN port
8. Touch interface connector (USB interface or serial interface)

\* 7. 8. parts are optional

## **Connecting to PC**

**To attach your TFT-LCD monitor to your system, follow the instructions hereunder**

1. Connect 15-pin D-SUB cable to the connector or display card of your computer system. Tighten all the screws
2. Connect 15-pin D-SUB cable to the appropriate connectors on the back of the monitor head
3. Connect AC adapter cable to the power input connectors on the back of the monitor head
4. Connect one end of the power cord to the AC adapter and the other end to the power outlet
5. Turn on the monitor
6. To complete the setup
  - A. set up your computer system to :  
1024 x 768 resolution @ 60Hz.
  - B. Use the following OSD controls
    - Auto adjust control
    - Coarse or Clock Phase control

 **Adjustment of the H/V Position and Image Adjust H. Size controls may be required to complete setup of your TFT- LCD monitor. For a full description of these OSD controls, refer to OSD menu functions**

## **Recommended Use**

**FOR OPTIMUM PERFORMANCE,  
PLEASE NOTE THE FOLLOWING WHEN SETTING UP  
AND USING THE TFT-LCD MONITOR.**

- **DO NOT OPEN THE MONITOR.**  
opening or removing covers may expose you to dangerous shock hazards or other risks.  
Once you open it the warranty voids.
- Do not put anything on top of the monitor.
- Do not spill any liquids into the cabinet or use your monitor near water.
- Do not place this product on a sloping or unstable cart, stand or table, as the monitor may fall, causing serious damage to the monitor.
- If you connect or disconnect the VGA cable while both of PC's and LCD monitor's power is turned on, the monitor might show some garbage on the screen or could be damaged. Please turn off the TFT-LCD monitor's power before connect or disconnect VGA cable.
- Handle with care when transporting. Save packaging for transporting.
- Do not touch or press the surface of the LCD panel, it will cause a permanent damage. Use only soft cloth with non-ammonia glass cleaner to clean the panel.

## Features

### **TFT-LCD (Thin film transistor - liquid crystal display)**

The XGA panel and hard coating(3H), anti-glare treatment of the front polarizer enables low reflection, anti-static, high-resolution and high-contrast characteristics.

### **Plug-and-Play Compatible**

This TFT-LCD monitor conforms to the VESA (Video Electronics Standards Association) standard and DDC1/DDC2B.

A picture adjustment function makes it possible to adjust the image quality to match the input signal.

### **An automatic size adjustment function is provided**

Auto-setup control on OSD screen adjust image position, horizontal size or fine settings.

### **Environmentally Friendly**

The power consumption can be reduced by using this TFT-LCD monitor in combination of a computer that conforms to the VESA DPMS(Display Power Management Signaling) standard.

Desk space can be used effectively due to the 20cm depth.

### **VESA standard wall mounting**

This TFT-LCD monitor has the VESA (Video Electronics Standards Association) standard wall mounting holes. Monitor head can be mounted on the wall using a VESA compliant wall mount.

## OSD menu functions

### **OSD (On-Screen-Display) control functions as follows :**

**To access OSD Menu, press MENU button**



#### **MENU : Menu on/move button**

- Show OSD menu on the screen. Moves the highlighted area right to select one of the functions

#### **EXIT : Menu off button**

- Exit from OSD menu. Exit to main menu from sub menu.

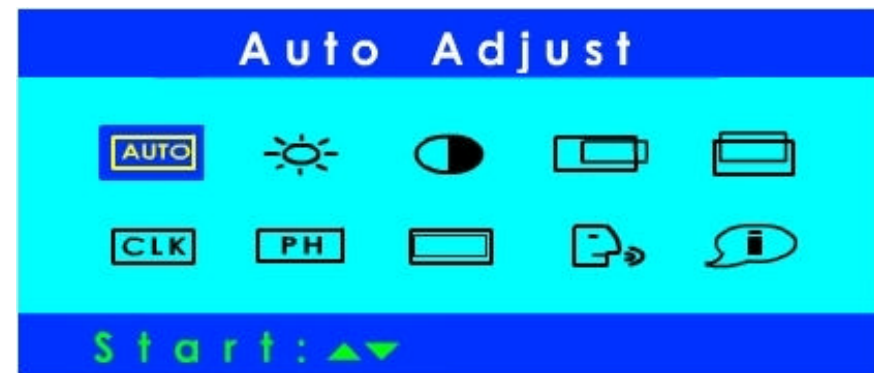
#### **DOWN : Adjust button**

- Moves the bar left to decrease the adjustment.
- Enter the submenu.

#### **UP : Adjust button**

- Moves the bar right to increase the adjustment.
- Enter the submenu.

### **[ MAIN MENU DISPLAY ]**



## • AUTO ADJUST



Automatically adjust Image Position, Horizontal Size or Fine setting Press UP or DOWN button to adjust the settings automatically

## • BRIGHTNESS



Controls the brightness of the LCD  
Use UP or DOWN button to increase or decrease the setting

## • CONTRAST



Controls the contrast of the LCD  
Use UP or DOWN button to increase or decrease the setting

## • H- POSITION



Controls the horizontal image position within the display of the LCD Use the UP or DOWN button to move the image right or left

## • V- POSITION



Controls the vertical image position within the display of the LCD  
Use the UP or DOWN button to move the image up or down

## • COARSE ( Coarse Tuning)



Improves focus, clarity and image stability by changing the horizontal image size  
Use + or - button to increase or decrease the setting

## • CLOCK PHASE (Fine Tuning)

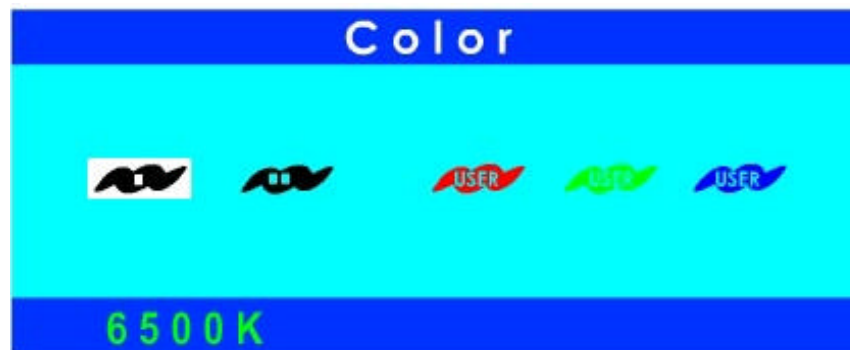


Improves focus, clarity and image stability  
Use UP or DOWN button to increase or decrease the setting

## • COLOR



Press the UP or DOWN button to enter into the following submenu



Press the MENU button to select the item you wish to change

### Color temperature

Provides two preset color adjustment : 6500K and 9300K

Select the preset by using MENU button and press EXIT button

### **RGB Adjustment**

Increases or decreases Red, Green or blue color selected  
Use UP or DOWN button to increase or decrease the setting  
To exits to the OSD main menu, press the EXIT button

### **• LANGUAGE**



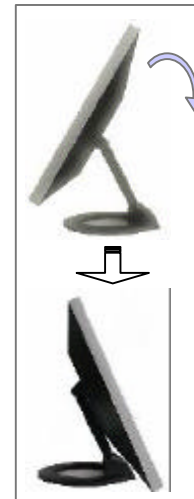
Provides Five languages for OSD menu.  
Select language by using UP or DOWN button

### **• INFORMATION**



Show the horizontal and vertical frequency

## **Advanced Features**



### **DISPLAY PIVOTING**

#### **180 degree display pivot**

The display can be turned upside down by using Pivot software.

This is suitable for those who interact with a person across the desk such as banking, finance and POS systems.



### **VESA MOUNTABLE**

#### **Wall or arm mountable**

The monitor can be mounted to VESA arm by using standard VESA mounting hole(75mm x 75mm).

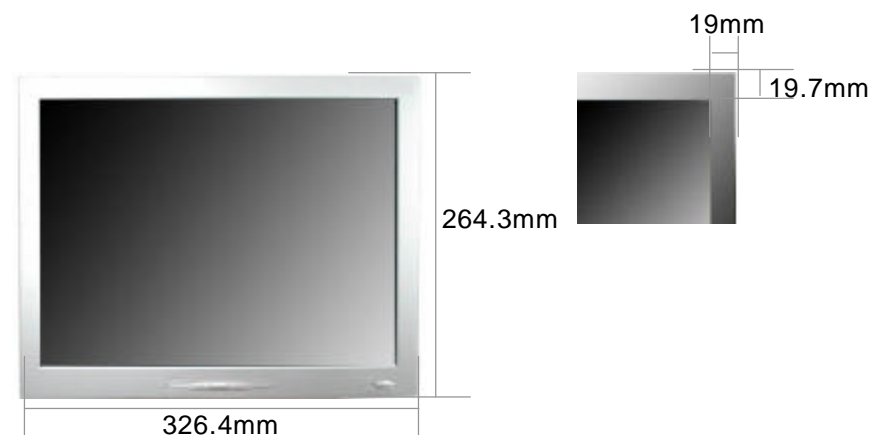
Wall-mounting is also possible

## Specification

SIZE		14.1"
PANEL	Type	Amorphous active matrix TFT-LCD
	Active area	14.1" diagonal
	Pixel format	1024(H) x 768(V)
	Pixel pitch	0.279mm x 0.279mm
	Color depth	6 bit, 16M colors by dithering
	Contrast ratio	250 : 1(Typ.)
	Brightness	180cd/m <sup>2</sup>
	Display size	285.696 X 214.272
	Viewing angle	U/D: 35 ° / 60 ° , R/L: 60 ° / 60 °
	Backlight	1CCFT
	Interface	LVDS
RESOLUTION SUPPORT		XGA 1024 X 768(max)
POWER CONSUMPTION	On working	<30 watt
	Off	<3 watt
OSD CONTROL	Function	Brightness, Contrast, Tuning, Color, Image position(H.V), Language select, Auto adjust, Information
Plug & Play		DDC1/DDC2B
POWER SAVING		VESA DPMS
POWER SUPPLY ADAPTER	Input	AC 100V~240V, 50~60Hz
	Output	12VDC
STANDARD ACCESSORIES		15-PIN VGA cable, AC adapter, Power cord, User's guide
OPTION	Touch screen	Resistive touch screen
	Speakers	1W x 2 speakers

Note : Features and specifications are subject to change without notice

## Dimension



## **Troubleshooting**

### **No image on the screen**

- The signal cable should be completely connected to the display card/computer.
- The display card should be completely seated in its slot.
- Power button and computer power button should be ON.
- Check to make sure that a supported mode has been selected on the display card or system being used.  
(Please consult display card or system manual to change graphics mode)
- Check to make sure that the refresh rate is 60Hz.
- Check the monitor and display card with respect to compatibility and recommended settings.
- Check the signal cable connector for bent or pushed-in pins.

### **Power button does not respond**

- Press the power button continuously.
- Unplug the power cord of the monitor from the AC outlet, wait 10 to 20 minutes, then plug the power cord into the AC outlet. This will reset the monitor and power supply.

### **LED on monitor is AMBER (with no image on the screen)**

- The signal cable should be completely connected to the display card /computer.
- Make sure the computer is not in a power-saving mode (touch the keyboard or mouse)

### **Image is unstable, unfocused or swimming is apparent**

- Signal cable should be completely attached to the computer
- Use OSD Image Adjust controls to focus and adjust display by increasing or decreasing the **Coarse** or **Clock Phase** control (**Auto Adjust control** is recommended). When display mode is changed, the OSD Image Adjust settings may need to be re-adjusted.
- Check the monitor and display card with respect to compatibility and recommended signal timings. If your text is garbled, change the video mode to non-interlaced and use 60Hz refresh rate.

### **Display is not sized properly**

- Use **Coarse** control on OSD menu to increase or decrease the H. Size.
- Check to make sure that a supported mode and signal timing has been selected on the display card and system being used.  
(Please consult display card or system manual to change graphics mode or refresh rate.)

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## FCC STATEMENT

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 communication. 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 technical for help.
- Only shielded interface cable should be used.

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

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