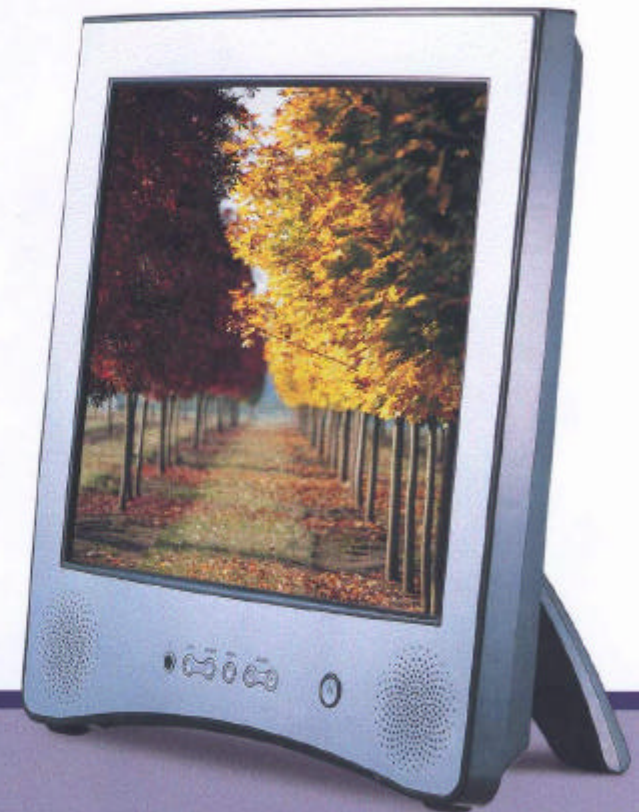


Distributed by :

TFT-LCD monitor

User's Manual



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FCC NOTICE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TOW CONDITION:
(1)THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED
OPERATION.

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 difference from that to which the receiver is connected.
 - Consult the dealer of an experienced radio/TV technician for help.

NOTE : The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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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 :

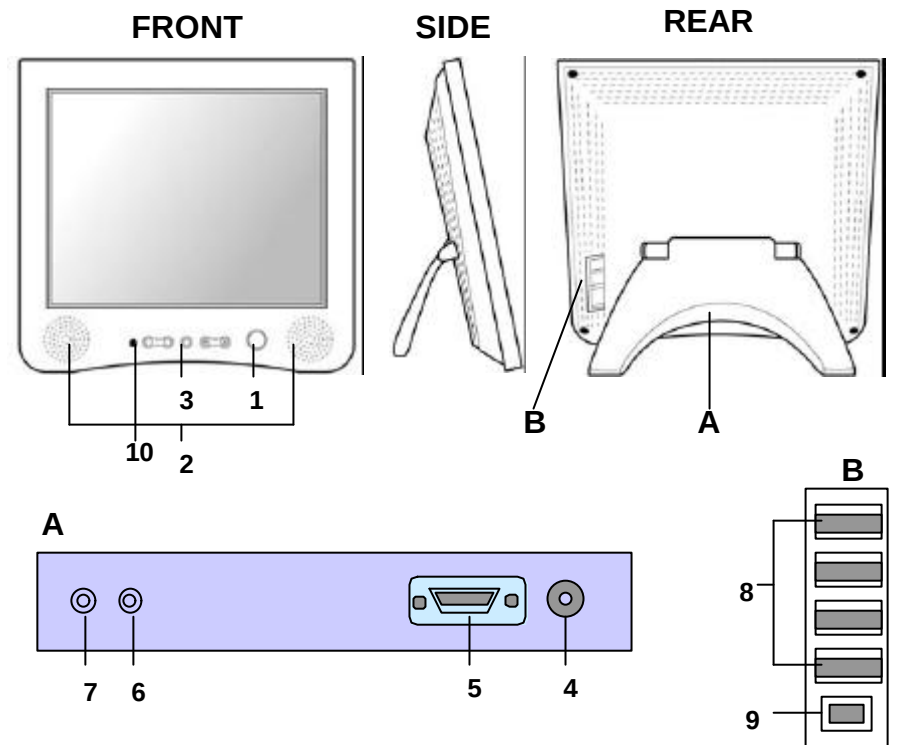
STANDARD PARTS

- **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 video cable**
 - Connects PC to LCD monitor
- **Stereo audio cable**
 - Connects PC sound card to audio input port on the base of monitor
- **User's manual**

OPTIONAL PARTS

- **USB upstream cable**
 - Connects PC to USB ports on the base of monitor
- **Video cables (Composite, S-video)**
- **Audio cable for AV monitor**

Monitor Parts



1. Power switch

2. Speaker hole

3. OSD button

4. Power input connector

5. VGA input connector

6. Audio OUT jack

7. Audio IN jack

8. USB Down stream connector

9. USB Up stream connector

10. IR sensor for remote control

* 6. 8. 9. 10 parts are optional

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Connecting to PC

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

1. Connect the small DC power cord from the base of the monitor to the head (For first time installation, this step will be completed by the factory)
2. Connect 15-pin D-SUB cable to the connector or display card of your computer system. Tighten all the screws
3. Connect 15-pin D-SUB cable to the appropriate connectors on the back of the monitor head
4. Connect AC adapter cable to the power input connectors on the back of the monitor base
5. Connect one end of the power cord to the AC adapter and the other end to the power outlet
6. Turn on the monitor
7. To complete the setup
 - A. set up your computer system to :
1280 x 1024 resolution @ 60Hz.
 - B. Use the following OSD controls
 - Auto adjust control
 - Phase

-
- **Adjustment of the H/V Position 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**
 - **Your monitor has two 3 Watt speakers. Please connect the Audio IN jack to the Line out jack of your PC's sound card**

Features

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

The 17"/18.1" inch 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

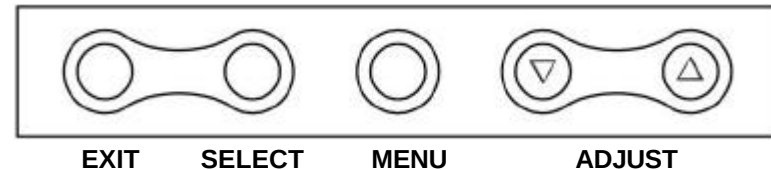
The power consumption can be reduced by using this TFT-LCD monitor in combination of a computer that conforms to the VESA DPMS(Display Power Management Signaling) standard. Desk space can be used effectively due to the 30 cm depth.

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 buttons 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 to select one of the functions

SELECT : Input select button (available in AV monitor)

- Allows the user to select the current signal from the following choice : analog RGB input, Composite video input, S-video input

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

EXIT : Menu OFF button

- Exit the main menu or submenu

1. Press the MENU button to display the main menu shown below
 2. Press the MENU button to move the highlighted area to select menu
 3. Press the ADJUST button to change the settings or enter the submenu
- [Submenu]
- Press the MENU button to move the highlighted area
 - Press the the ADJUST button to change the settings
 - After making adjustments, press the EXIT button to save changes and exit the menu

[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

• **IMAGE HORI. 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

• **IMAGE VERT. 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 UP or DOWN button to increase or decrease the setting

• **CLOCK PHASE (Fine Tuning)**

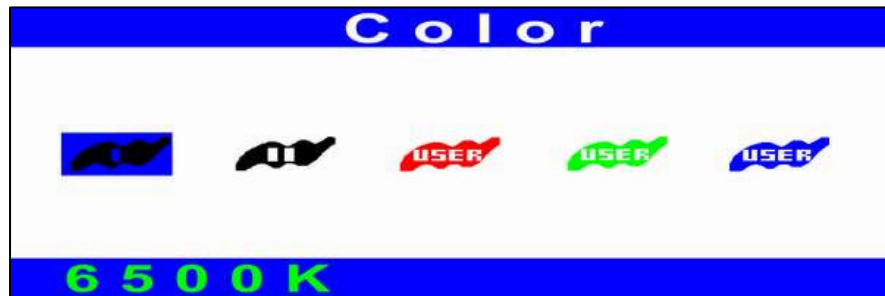


Improves focus, clarity and image stability
Use UP or DOWN button to increase or decrease the setting

• **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 : 9300K and 6500

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

•AUDIO (Optional)



Controls audio function such as volume, base and treble

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



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

MUTE menu- None or Mute

MU Press the ADJUST button to change the setting

STEREO menu – Stereo or Mono

SM Press the ADJUST button to change the setting

Volume control

VL Press the ADJUST button to change the setting

Bass control

BA Press the ADJUST button to change the setting

Treble control

TR Press the ADJUST button to change the setting

To exits to the OSD main menu, press the EXIT button

Specification

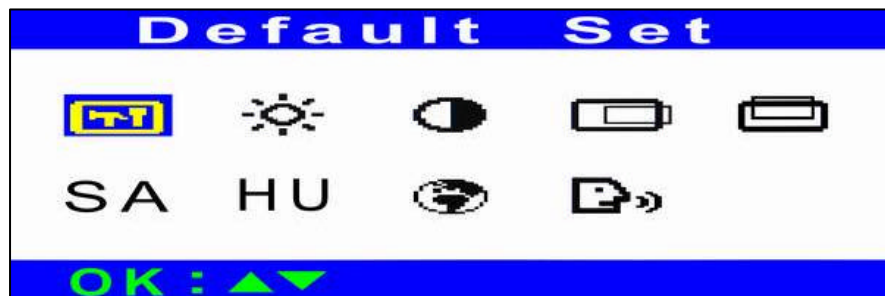
MODEL		17"
PANEL	Type	Amorphous active matrix TFT-LCD
	Active area	17.0" diagonal
	Pixel format	1280(H) x 1024(V)
	Pixel pitch	0.264mm x 0.264mm
	Color depth	8 bit, 16million color
	Contrast ratio	300 : 1(Typ.)
	Brightness	250cd/m ² (Typ.)
	Display size	337.92mm X 270.336mm
	Viewing angle	Ver. : 100 ° / Hor. : 120 °
	Backlight	4CCFT
	Interface	LVDS
RESOLUTION SUPPORT		SXGA 1280 x 1024(max)
POWER CONSUMPTION	On working	<40 watt
	Off	<4 watt
OSD CONTROL	Function	Auto Adjust, Brightness, Contrast, Phase, Color, Horizontal size, Image position(H/V), Language select, OSD position (H/V), Audio(optional)
Plug & Play		DDC1/DDC2B
POWER SAVING		VESA DPMS
Audio	Speakers	3W x 2 with AMP on front
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	A/V	Composite, S-Video input
	USB Hub	1UP/ 4DOWN
	Amplifier	Controlled by OSD

MODEL		18.1"
PANEL	Type	Amorphous active matrix TFT-LCD
	Active area	18.1" diagonal
	Pixel format	1280(H) x 1024(V)
	Pixel pitch	0.2805mm x 0.2805mm
	Color depth	8 bit, 16million color
	Contrast ratio	300 : 1(Typ.)
	Brightness	250cd/m ² (Typ.)
	Display size	367.2mm X 275.4mm
	Viewing angle	Ver. : 160 ° / Hor. : 160 °
	Backlight	4CCFT
	Interface	LVDS
RESOLUTION SUPPORT		SXGA 1280 x 1024(max)
POWER CONSUMPTION	On working	<45 watt
	Off	<4 watt
OSD CONTROL	Function	Auto Adjust, Brightness, Contrast, Phase, Color, Horizontal size, Image position(H/V), Language select, OSD position (H/V), Audio(optional)
Plug & Play		DDC1/DDC2B
POWER SAVING		VESA DPMS
Audio	Speakers	3W x 2 with AMP on front
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	A/V	Composite, S-Video input
	USB Hub	1UP/ 4DOWN
	Amplifier	Controlled by OSD

Note : Features and specifications are subject to change without notice

AV OSD Function (Optional)

[MAIN MENU DISPLAY]



• DEFAULT SET



Automatically adjust Image Position, Horizontal Size or Fine menu to the factory 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

• IMAGE HORI. 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

• IMAGE VERT. 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

• SATURATION



Adjusts the depth of the video color
Use UP or DOWN button to increase or decrease the setting

• HUE



Adjusts the lightness of the video color
Use UP or DOWN button to increase or decrease the setting

• LANGUAGE



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

•AUDIO (Optional)



Controls audio function such as volume, base and treble

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



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

MU

MUTE menu- None or Mute

Press the ADJUST button to change the setting

SM

STEREO menu – Stereo or Mono

Press the ADJUST button to change the setting

VL

Volume control

Press the ADJUST button to change the setting

BA

Bass control

Press the ADJUST button to change the setting

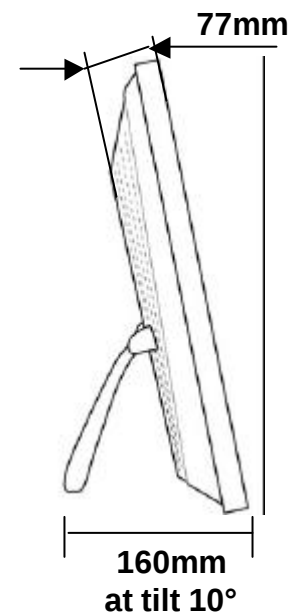
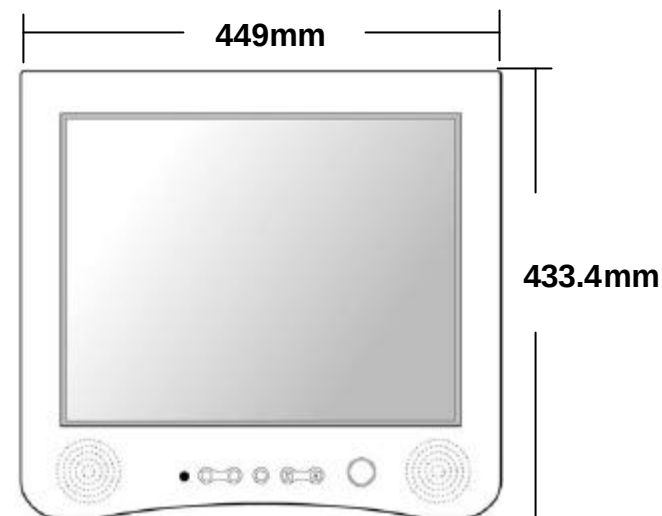
TR

Treble control

Press the ADJUST button to change the setting

To exits to the OSD main menu, press the EXIT button

Dimension

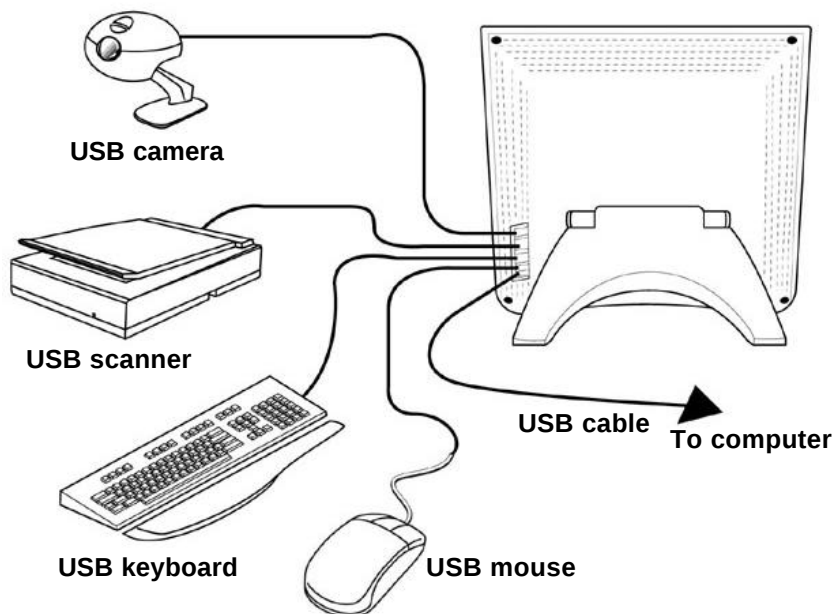


USB Function (Optional)

You can attach USB peripheral devices (mouse, keyboard, etc). To complete the USB installation, do the following:

1. Connect the USB cable from the computer to the USB UP stream connector on the rear of the monitor.
2. Plug the USB peripheral devices into any downstream connector on the rear of the monitor.

• USB HUB (1 up & 4 down stream)



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.

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 switch and computer power switch should be in the ON position.
- 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 *Tuning* control. - 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 OSD Image size horizontal controls 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.)