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# TFT LCD MONITOR USER'S MANUAL

## Chapter 1. BEFORE USE

### Before Installing your Monitor

Read this manual cover to cover.

PAY ATTENTION to all WARNINGS and CAUTIONS. DO NOT use computer components that are not recommended by the manufacture. Do not attempt to service the monitor by yourself. If a problem occurs, contact the authorized service center.

### About your Monitor

This monitor is a microprocessor-controlled color monitor which uses a TFT LCD panel. The monitor conforms to VESA DPMS (Display Power Management Signaling) power management standards.

### Precaution

#### HANDLING

The monitor must be treated with caution and not to be exposed to impact and shock.

The monitor is made of fragile glass panel.

Do not expose to sharp shock.

Never touch the display area or rub on it with a hard, stiff object or tools because the panel is easily scratched, even your monitor is protected with one glass filter.

Every effort has been made to protect the panel, however, the monitor is an extremely fragile product.

#### CLEANING

The display area is highly prone to scratch. Do not use ketone type material (ex. Acetone), Ethyl Alcohol, Toluene, Ethyl Acid or Methyl chloride, to clear the panel. It might permanently damage the panel.

The desirable cleaners are water, IPA (Iso Propyl Alcohol) or Hexane.

Do not let water or oil penetrate the monitor. If the droplets are kept for a long time, staining and discoloration may occur.

Keep food particles and fingerprints away from the display area.

# TFT LCD MONITOR USER'S MANUAL

## Specification

|                       |                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Panel Type            | 18.1" XGA TFT LCD                                                                                                                                             |
| Dot Pitch (mm)        | 0.2805mm X 0.2805mm                                                                                                                                           |
| Viewing Angle         | Left/Right : +70° / -70°<br>Up/Down : +70° / -70°                                                                                                             |
| Contrast Ratio        | 200 : 1                                                                                                                                                       |
| Brightness            | 200cd/m <sup>2</sup>                                                                                                                                          |
| Display Color         | 16,777,216 (Dithering)                                                                                                                                        |
| Resolution            | 1,280 × 1,024                                                                                                                                                 |
| PC Interface          | Video : Analog R,G,B<br>Sync : H/V Separate                                                                                                                   |
| Video Interface       | Composite Signal (NTSC,PAL)                                                                                                                                   |
| Tilting Degree        | Up/Down : +30° / -5°                                                                                                                                          |
| Swivel Angle          | Left/Right: + 15° / -15°                                                                                                                                      |
| Frequency Support     | H : 30 - 80KHz<br>V : 50 - 75Hz                                                                                                                               |
| Display Size (mm)     | 359.040(W) X 287.232(H)                                                                                                                                       |
| Compatibility         | IBM, Macintosh                                                                                                                                                |
| Plug & Play           | VESA DDC 1/2B                                                                                                                                                 |
| Speaker               | 2 Way Stereo, 1W X 1W                                                                                                                                         |
| Power Management      | VESA DPMS                                                                                                                                                     |
| Power                 | <div> <div>▶ Source</div> <div>▶ Max. Consumption</div> <div>▶ Standby Mode</div> </div> <div> 90 - 260VAC, 47 - 63Hz<br/> 54W (TYP)<br/> &lt;3W (TYP) </div> |
| Operating Environment | Temperature : 0 - 50°C<br>Humidity : Less 90%                                                                                                                 |
| Dimension (mm)        | 450(H) X 475(V) X 200(D)                                                                                                                                      |
| Weight(Net/Gross)     | 9.5kg/12kg (Typ)                                                                                                                                              |
| Certificate           | FCC, CE, VCCI, MCI                                                                                                                                            |
| Option                | S-Video, Composite Video, TV<br>Hifi Audio Amplifier                                                                                                          |

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### Video Modes

| Mode | Resolution | H-Freq. (KHz) | V-Freq. (Hz) |
|------|------------|---------------|--------------|
| VGA  | 640X400    | 31.5          | 70           |
|      | 640X480    | 31.5          | 60           |
|      | 640X480    | 34.9          | 70           |
|      | 640X480    | 37.8          | 72           |
|      | 640X480    | 37.5          | 75           |
| SVGA | 800X600    | 37.9          | 60           |
|      | 800X600    | 43.7          | 70           |
|      | 800X600    | 48.1          | 72           |
|      | 800X600    | 46.9          | 75           |
| XGA  | 1024X768   | 48.3          | 60           |
|      | 1024X768   | 56.4          | 70           |
|      | 1024X768   | 57.5          | 72           |
|      | 1024X768   | 60            | 75           |
| EXGA | 1152X864   | 54.1          | 60           |
|      | 1152X864   | 63.9          | 70           |
|      | 1152X864   | 64.9          | 72           |
|      | 1152X864   | 67.5          | 75           |
| SXGA | 1280X1024  | 64            | 60           |
|      | 1280X1024  | 76.8          | 72           |
|      | 1280X1024  | 79.9          | 75           |

# TFT LCD MONITOR

## USER'S MANUAL

### STORAGE

Do not expose the monitor in temperature higher than 60°C (140°F) degree or humidity higher than 95% without condensation.

Store in dark places and away from sunlight and ultra violet (UV) radiation.

## Chapter 2. INSTALLING THE MONITOR

### Introduction

This monitor is designed to connect to your PC's video input connector. The monitor is compatible with virtually all video card. To verify compatibility with your computer's video requirement, refer to the "Appendix B - Video Modes" section and the horizontal and vertical scan frequency "Appendix C - Specifications" contained in the overview portion of this manual.

### Product Package

Open the package box and check the contents. If any items are missing or damaged, contact your dealer immediately.

The package should include the following items

- Analog Color TFT LCD Monitor
- Accessory Box:

1. VGA cable
2. AC to DC adapter
3. Power cord
4. User's manual
5. Speaker cable (option)

# TFT LCD MONITOR USER'S MANUAL

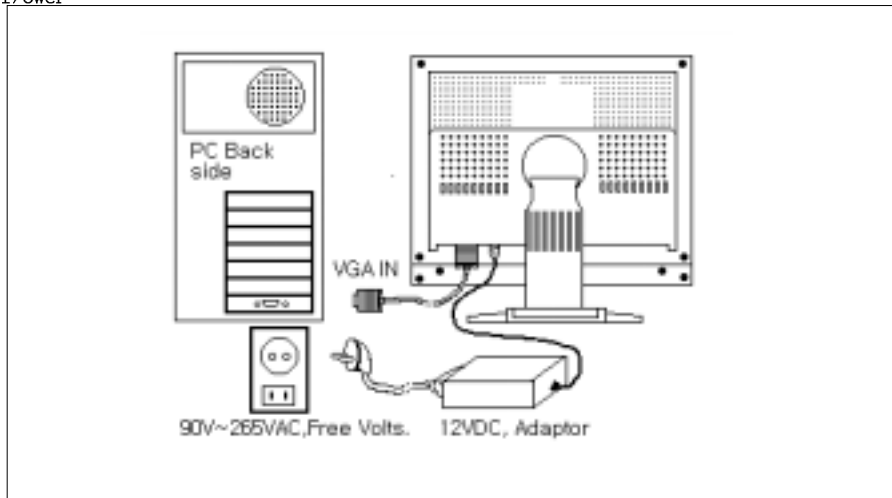
## Installing the Monitor

The monitor is equipped with an auto-sensing power supply for voltage ranges from 100-120VAC/200-240VAC, 60-50Hz. Confirm the line voltage designation on the rear panel of the monitor.

### FOLLOW THESE STEPS TO INSTALL THE MONITOR

1. Before you connect the cables, make sure that the monitor and the system unit power switches are OFF
2. Plug one end of the 15pin signal cable to the monitor and the other end to the video signal connector at the rear of the system. Tighten the two screws on the cable connector on both ends, otherwise the screen will be abnormal and LED light is yellow color, not the normal green color.
3. Plug one end of the composite video cable to the monitor and the other end to the video system.
4. Connect the power to the monitor through the AC/DC adaptor
5. Connect the power cord on the AC outlet(refer to the Figure 1)

f/ower



<Figure 1>

# TFT LCD MONITOR USER'S MANUAL

## A P P E N D I X

### Signal Connector Pinouts

#### Power Connector

|      |        |      |             |
|------|--------|------|-------------|
| Pin1 | Ground | Pin2 | +12V output |
|------|--------|------|-------------|

#### RGB Signal Connector

|       |                     |
|-------|---------------------|
| Pin1  | Analog Red Input    |
| Pin2  | Analog Green Input  |
| Pin3  | Analog Blue Input   |
| Pin4  | Ground              |
| Pin5  | Digital Ground      |
| Pin6  | Analog Red Ground   |
| Pin7  | Analog Green Ground |
| Pin8  | Analog Blue Ground  |
| Pin9  | NC                  |
| Pin10 | Sync Ground         |
| Pin11 | Ground              |
| Pin12 | SDA (DDC Data)      |
| Pin13 | H. Sync             |
| Pin14 | V. Sync             |
| Pin15 | SCL (DDC CLK)       |

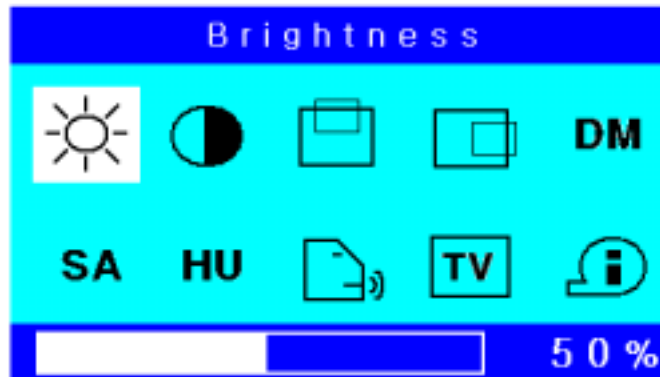
#### Composite Video

|      |       |      |        |
|------|-------|------|--------|
| Pin1 | Video | Pin2 | Ground |
|------|-------|------|--------|

# TFT LCD MONITOR USER'S MANUAL

## VIDEO INPUT

First, you must activate the OSD menu through pressing the MENU button, the menu will show as below:



Brightness : Adjusting Brightness

Contrast : Adjusting contrast

H-Position : Adjusting horizontal position

V-Position : Adjusting vertical position

Dim Control : Adjusting dim

Saturation : Adjusting Saturation

Hue : Adjusting Hue

Language : Select Language

RCA Mode : Select input signal

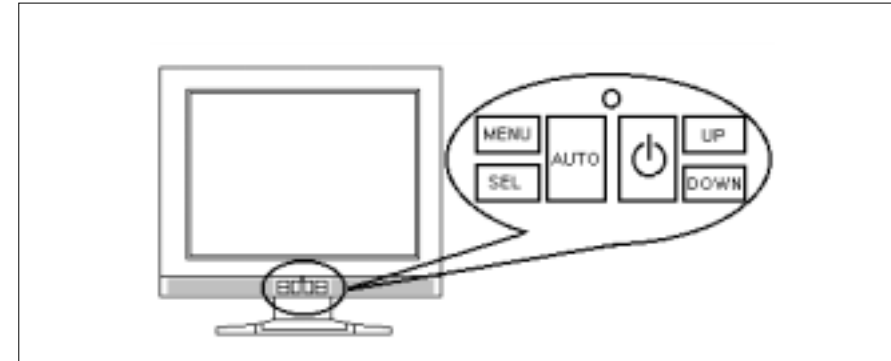
Information : Display informations

# TFT LCD MONITOR USER'S MANUAL

## Chapter 3. ADJUSTING THE MONITOR

### Adjusting the Monitor

The function control buttons for monitor are located on the button side of the panel. They are shown in the figure below and the functions are described in the following paragraphs. (refer to the Figure 2)



<Figure 2>

The control key description

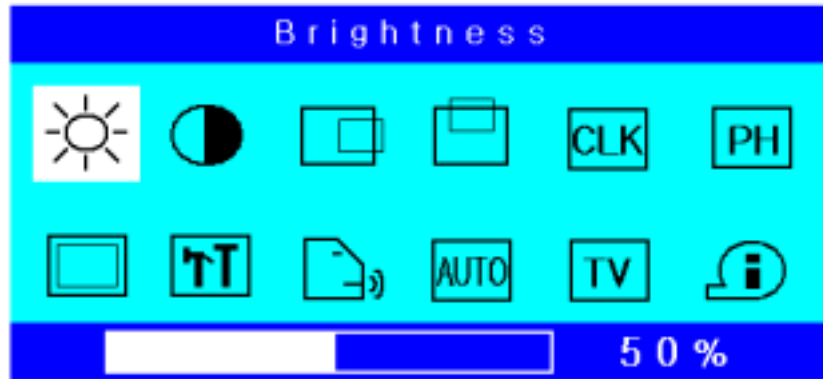
1. MENU : Activate the OSD function
2. SEL : Select or escape item
3. UP : Move to the previous menu or increment item
4. DOWN : Move to the next menu or decrement item
5. POWER : Power switch

# TFT LCD MONITOR USER'S MANUAL

## Using OSD Menu

### RGB INPUT

First, you must activate the OSD menu through pressing the MENU button, the menu will show as below:



Brightness : Adjusting Brightness

Contrast : Adjusting contrast

H-Position : Adjusting horizontal position

V-Position : Adjusting vertical position

Clock : Adjusting clock

Clock Phase : Adjusting phase

Color : Adjusting color

Video Level : Select RGB-signal peak voltage

Language : Select OSD language (English, Germany, French, Spanish, Italian)

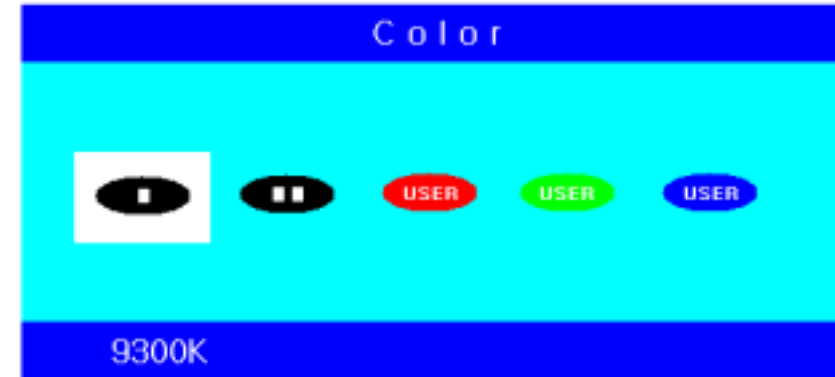
Auto-Config. : Auto adjusting

RGB Mode : Select input signal

Information : Display informations

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If you select Color menu, then you can see:



9300K : 9300K color temperature

6500K : 6500K color temperature

Red : Adjusting red color

Green : Adjusting green color

Blue : Adjusting blue color



Tested To Comply  
With FCC Standards

FOR HOME OR OFFICE USE

# 18.1" ANALOG COLOR TFT LCD MONITOR

## FCC Compliance 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 when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy. If it is not installed and used in accordance with the instruction manual it may cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 a FCC Class B computing device, always use the shielded signal cord and shielded power cord supplied with this unit.

### Caution to the user:

The federal Communications 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.

**USER'S MANUAL**

**LCD MONITOR**