

## APPENDIX H

### : USER'S MANUAL

# FCC Compliance Statement

## NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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 communications. 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/television technician for help.

## Notice 1 :

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Notice 2 :

Shielded interface cables, if any, must be used in order to comply with the emission limits.

## DOC CLASS B NOTICE

This digital apparatus does not exceed Class limits for radio noise emission for a digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

ENGLISH

## CONTENTS

### INTRODUCTION

MAIN FEATURES.....	1
FRONT/BACK OF MONITOR.....	1, 2
FUNCTIONS.....	2

### INSTALLING

COMPONENTS.....	3
PRECAUTIONS IN INSTALLING.....	3
CONNECTING TO YOUR PC.....	4
INSTALLING MONITOR DRIVER .....	5, 6

### SCREEN CONTROL

<b>BASIC SCREEN CONTROL.....</b>	7
Brightness the Screen	
Contrast The Screen	
Controlling Screen Color	
<b>SCREEN CONTROL.....</b>	8
Viewing Monitor Info	
Controlling Clock	
Position	
Auto Adjust	
<b>CONTROLLING OTHER FUNTION.....</b>	9
Viewing the Menu Language	
Move The Menu Screen	
Controlling Duration of Screen Appearance	
<b>AUDIO FUNCTION CONTROL.....</b>	10
<b>PRODUCT CONTROL ANGLE.....</b>	10
<b>POWER SAVING MODE(S).....</b>	11

### INSTALLING

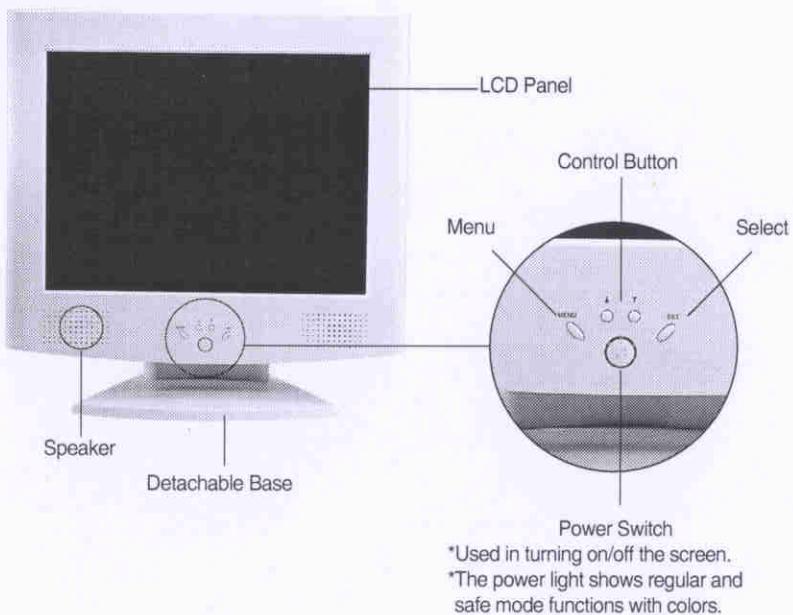
<b>STANDARD SIGNAL TIME CHART.....</b>	12
PRECAUTIONS.....	13
SPECIFICATIONS.....	14

## MAIN FEATURES

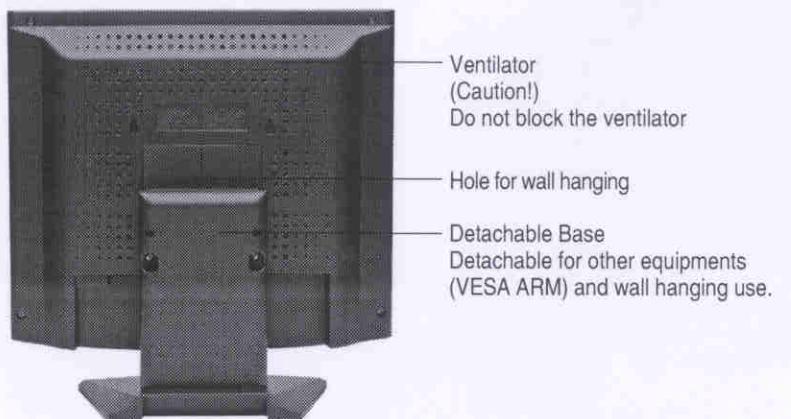
Thank you for purchasing our high resolution TFT LCD monitor.

We recommend that you thoroughly read through this user's guide before using the product. It is also recommended to safely store the guide in times of immediate need in the course of using the product.

## FRONT OF MONITOR



## BACK OF MONITOR



## FUNCTIONS

Although regular monitors for PCs use CDT as a medium for display, the TFT LCD monitor is a Flat Panel Display based on digital technology, and was originally used only for laptops PCs. Now it is used for desktops and laptops alike, opening a world of conveniences and quality to those ardent PC users.

The following functions are provided in our products.

1. Convenient and easy to handle Control Button.
2. A slim and space reducing monitor.
3. Monitor transferable for wall hanging.
4. Industrial robot and VESA install able.
5. Liberal angle control. (+30° ~ -5°)
6. Low energy consumption.
7. Scarcely influences surrounding objects, with no harmful electronic waves, noise, heat or magnetic activities.

## COMPONENTS

- After discarding the package and wrapping of the LCD monitor, check for the following components in the box.

### ◆ Basic Components

- 15" LCD Monitor
- Power Adapter
- Installing Driver Diskette
- User's Guide (Warranty Card)
- Signal Cable
- Power Cord
- Stereo Cable

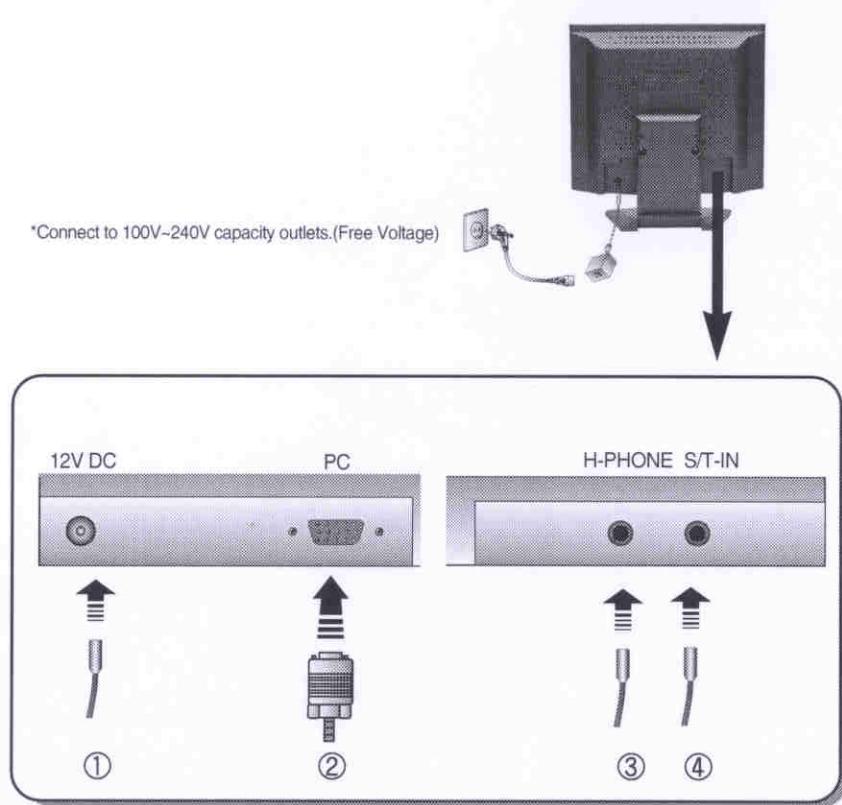
## INSTALLING

## PRECAUTIONS IN INSTALLING

- Install on safe ground. :There's possibility of damage of the product or harming people.
- Always cover the product or keep in a well ventilated place. :There is danger of fire and also for safe maintenance.
- Do not put anything containing water, medicine, small metal material, or heavy objects on the product. :Danger of fire, electrocution, and damage to the product.
- Do not expose the product to direct sun light. :The screen will not maintain clarity and may cause damage to the eye.
- Do not install in damp, dusty, or wet places. :Danger of fire and electrocution.
- Do not put candles, cigarettes, or other objects with excessive heat. :Danger of fire.
- Do not install any external connections, only connecting cords and adapter included in the box. :Damage and fire may occur.

## CONNECTING TO YOUR PC

\*Connect to 100V~240V capacity outlets.(Free Voltage)



1. Connect to 12V DC with the adapter included in the box to AC 100V or 240V outlet.
2. Connect signal cable to PC. ("CHECK CABLE" will appear on the monitor if improperly connected. In case of using Macintosh, use the exclusive adapter. (except for G3 or higher)
3. Connect headphones to the connecting terminal.
4. Connect to PC sound output.



## INSTALLING MONITOR DRIVER

Once the monitor driver is installed, resolution and frequency is set to accommodate the monitor, therefore providing a clear screen.

In order to purchase a separate driver, refer to our homepage.

\* Internet Address-<http://www.imri.co.kr>

### <Windows Monitor Installing Program>

This file explains how to install the monitor driver on Windows. Follow the following procedures.

**Caution:**Check the type of the monitor before you install the driver. (If the driver is improperly installed, the frequency may be increased or decreased, possibly deactivating resolution)

#### 1. WINDOWS

##### 1) Auto Install

Put in the install diskette.

Run 'install.exe' (using Search programs)

Select the model name of your monitor. Select "OK"

When the window "Put in disk" appears on the screen, press on the ok button and select the route of the install diskette in the file location slot. (ex- A: \) (in could be automatically installed without the "put in disk" window) When a window that indicates that SETUP has been completed, press the "OK" button.

When the window "Restart the system?" press "Yes" for accurate setting.

##### 2) Manually installing

\*With the mouse pointer on the Windows desktop, select registration info by right clicking.

\*Select the "set" button and select the "Advanced Registration Info" button.

\*Select "monitor" and press the "Change" button.

\*Press "next" in the update master window.

\*After making a driver list, select the desired driver and press "next".

\*After inserting the diskette, set the directory and press the ok button.

(If you are not sure of the route location of the driver, press "find")

\*When the "select model" window appears, select your monitor model and press "next".

\*When the window "completed installation of selected driver" press "finish", "close", "ok", and exit the display setting menu.

#### 2. NT 4.0

\*The mouse pointer on the start button and click the " Start ".

\*Select the " Settings " menu and click the " Control Panel " menu.

\*Double click the " Display " icon.

\*Click the " Settings " tab.

\*Select the color depth from the colors area and the resolution from the screen area.

\*Click the " Test " button.

(Follow the " NT " message to complete the installation.)

\*Click the " OK " button

## BASIC SCREEN CONTROL

### MAIN OSD



#### Brightness control ☼

Menu → Brightness → Select → Control with → Select → Exit

You can control the brightness of the screen.

**FRHOT KEY:** If you press Key on condition that main OSD is not being used, you can step into Brightness.

#### Contrast control ☺

Menu → Contrast → Select → Control with → Select → Exit

You can control the contrast of the images or letters on the screen.

#### Color control

Menu → → Select → Control with → Select → Exit

You can select screen color temperature (6500K / 9300K) and control color in selecting USER mode.

## SCREEN CONTROL

### Viewing Monitor Info

Menu → Information → Select → Control with → Exit

You can view vertical/horizontal frequency info and resolution.

### Clock control

Menu → Clock → Control with → Select → Exit

1. Clock Number : Can be used to eliminate screen noise.

2. Clock Phase : Can be used to eliminate screen noise.

→ Control with → Select → Exit

### Position control

Menu → Position → Control with → Select → Exit

1. Horizontal Adjustment: Horizontal position can be adjusted.

2. Vertical Adjustment: Vertical position can be adjusted.

→ Control with → Select → Exit

### Auto Adjust

Menu → Auto → Select

You can adjust to eliminate the screen noise.

**FRHOT KEY:** If you press 2time Key on condition that main OSD is not being used, you can step into Auto Adjust Menu.

## CONTROLLING OTHER FUNCTIONS

### Viewing the Menu Language

Menu → Language → Select → Control with →  
Select → Exit

You can use the menu in five different languages.  
(English, German, French, Italian, Spanish)

### Move the Menu Screen

Menu → OSD → Select → Control with →  
OSD Position → Select → Control with → Select → Exit

You can move the menu screen left, right, up and down.

### Controlling Duration of Screen Appearance

Menu → OSD → Select → OSD Time → Select →  
Control with → Select → Exit

The menu screen disappears at the auto set time.

In order to make all menus disappear, press the Menu button.

## AUDIO FUNCTION CONTROL

Menu → Audio → Select →

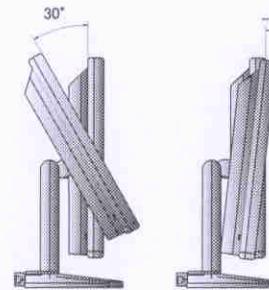


1. Volume: Control the Volume.
2. Balance: Control the Volume Balance.
3. Treble: Treble Adjust
4. Bass: Bass Adjust
5. Mute

→ Control with → Select

**HOT KEY:** If you press Key on condition that main OSD is not being used, you can step into Volume.

### • PRODUCT CONTROL ANGLE



## POWER SAVING MODE(S)

If your computer system features a display power management function, the Monitors enter into the power saving modes as follows.

When it is used with a computer system equipped with DPMS(VESA) this Monitor provides an EnergyStar compliant function. If your computer does not feature display power management, please source an optional DPMS software program.

Power saving modes greatly reduce power consumption when the computer is temporarily not in use. Simply press any key or mouse button to return the Monitor display to normal operation.

	Normal Operation	Power Saving function EPA		
		stand-by	suspend	Power Off
H-Sync	Active	Inactive	Active	Inactive
V-Sync	Active	Active	Inactive	Inactive
Video	Green	Blanked	Blanked	Blanked
LED Color	Green	Amber/Green Blinking(1sec)	Amber/Green Blinking(0.5sec)	Amber
Power Consumption	35 Watts Less Than	5 Watts Less Than	5 Watts Less Than	5 Watts Less Than

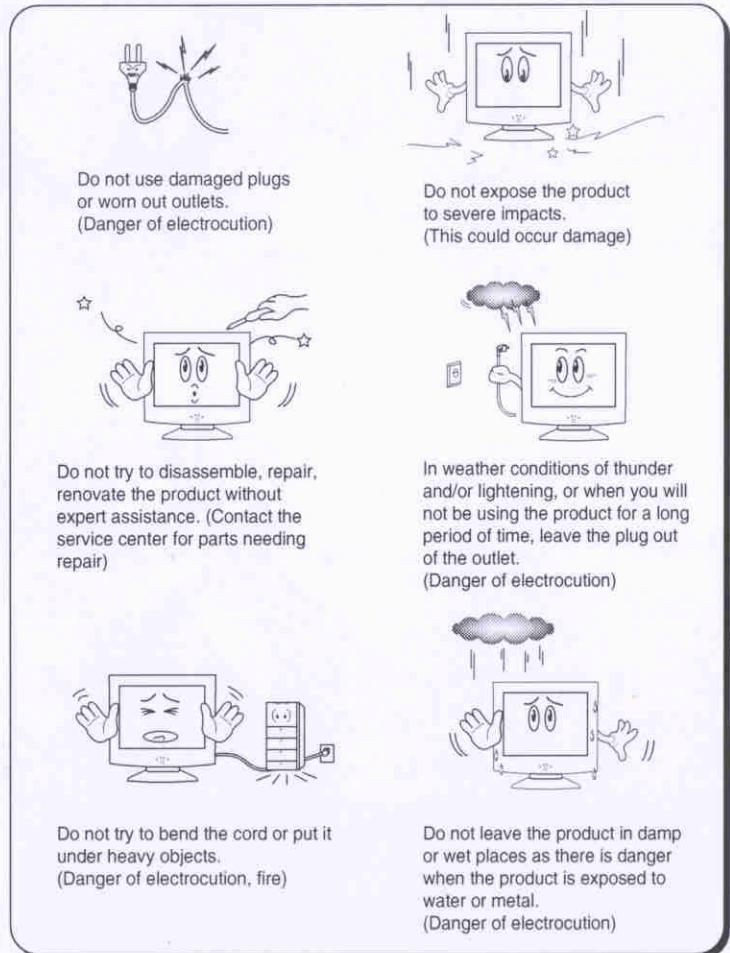
## STANDARD SIGNAL TIMING CHART

If the signals conveyed from the computer match the following standard signals, the screen automatically controls the signals. Conversely, if the signals do not match, the screen will not appear or only the power light would activate. Therefore it is important that you first set as the following, with reference to the Video Card Guide.

	Resolution	Frequency			Polarity	
		Horizontal(kHz)	Vertical(Hz)	Clock Frequency(MHz)	H	V
1	640×350	31.5	70.0	25.2	+	-
2	720×400	31.5	70.1	28.3	-	+
3	640×480	31.5	59.9	25.2	-	-
4	640×480	31.5	59.9	25.2	-	-
5	640×480	35.0	66.7	30.2	-	-
6	640×480	37.9	72.8	31.5	-	-
7	640×480	37.5	75.0	31.5	-	-
8	800×600	35.2	56.3	36.0	+	+
9	800×600	37.9	60.3	40.0	+	+
10	800×600	48.1	72.2	50.0	+	+
11	800×600	46.9	75.0	49.5	+	+
12	832×624	49.7	74.5	57.3	-	-
13	1024×768	48.4	60.0	65.0	-	-
14	1024×768	48.8	60.0	64.0	-	-
15	1024×768	56.5	70.1	75.0	-	-
16	1024×768	60.2	74.9	80.0	-	-
17	1024×768	60.0	75.0	78.8	+	+

## PRECAUTIONS

The below precautions should be carefully followed for the effective function of the product and safety of users.



**Other Precautions** In cleaning the product take out the plug from the outlet, wipe with a soft and clean cloth then with water. Never use benzene, alcohol or other cleaners. (Contact the service center or a store near you for static controllers and cleaners. The LCD polarizing plate may peel off or the product may decolonize, dissolve, or crack.

## SPECIFICATIONS

Category	Specification
LCD (PANEL)	Screen Size 15 inch (diagonal length)
	Visible Screen size 304.1(horizontal) X 228.1(vertical)mm
	Pixel Range 0.297(horizontal) X 0.297(vertical)mm
	Type a-si TFT LCD(liquid crystal display)
Frequency	Visual Angle upper 45° /lower 45° /Left 60° / Right 60°
	Horizontal Frequency 30~60 kHz (Auto Set)
	Vertical Frequency 56~75 Hz (Auto Set)
Color Display	Display Color 262,144 Colors
	Input Signal
Input Signal	Video Signal Analog 0.714Vp-p POSITIVE (75 Ω)
	Separate Sync Signal TTL LEVEL POSITIVE OR NEGATIVE
	Composite Sync Signal
	Green Video+Composite composite sync:Vp-p Negative (video 0.7Vp-p positive)
Power/Voltage	Voltage Use AC 100~240V, 60Hz/50Hz DC 12V/3A
Energy Consumption	Regular Energy Consumption Maximum 35W
	Safe Mode Consumption Less than 5W
Movement Conditions	Temperature 0° C ~ 40° C
	Humidity 10% ~ 80%
Size	Excluding Base 380(W) X 58(D) X 336(H)
	Including Base 380(W) X 163(D) X 384(H)
Weight	Net 5 Kg (10.1 lbs)
	Gross 7 Kg (15.4 lbs)

The above specifications can be changed without prior notice for quality improvement.