



Appendix F. Users Manual

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IMRI Co., Ltd.
TFT LCD MONITOR
Model : B15XA

1 of 1

CONTENTS

| | | |
|--------------------------------|--------------------------------------|----|
| INTRODUCTION | FCC COMPLIANCE STATEMENT | 1 |
| | MAIN FEATURES | 2 |
| | FRONT/BACK OF MONITOR | 2 |
| | FUNCTIONS | 3 |
| INSTALLING | COMPONENTS | 4 |
| | PRECAUTIONS IN INSTALLING | 4 |
| | CONNECTING TO YOUR PC | 5 |
| | INSTALLING MONITOR DRIVER | 6 |
| SCREEN CONTROL | BASIC SCREEN CONTROL | 8 |
| | TO BRIGHTEN THE SCREEN | 8 |
| | TO CLARIFY THE SCREEN | 8 |
| | CONTROLLING SCREEN COLOR | 9 |
| | SCREEN CONTROL | 9 |
| | TO EXIT THE SCREEN | 9 |
| | VIEWING MONITOR INFO | 9 |
| | CONTROLLING CLOCK | 9 |
| | CONTROLLING SCREEN POSITION | 9 |
| | CONTROLLING AUDIO | 9 |
| | CONTROLLING OTHER FUNCTION | 10 |
| | VIEWING THE MENU LANGUAGE | 10 |
| | CONTROLLING OSD | 10 |
| | PRODUCT CONTROL ANGLE | 10 |
| VIDEO FUNCTION SETTING(OPTION) | VIDEO FUNCTION SETTING(OPTION) | 11 |
| SELECT INPUT VIDEO | SELECT INPUT VIDEO | 11 |
| CONTROLLING CHANNEL | CONTROLLING CHANNEL | 11 |
| CONTROLLING AUDIO | CONTROLLING AUDIO | 11 |
| CONTROL AUDIO MUTE | CONTROL AUDIO MUTE | 11 |
| TV FUNCTION SETTING(OPTION) | TV FUNCTION SETTING(OPTION) | 12 |
| SELECT INPUT TV | SELECT INPUT TV | 12 |
| TV SETTING | TV SETTING | 12 |
| POWER SAVING MODE(S) | POWER SAVING MODE(S) | 12 |
| OTHERS | STANDARD SIGNAL TIME CHART | 13 |
| | PRECAUTIONS | 14 |
| | SPECIFICATIONS | 15 |

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 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 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:

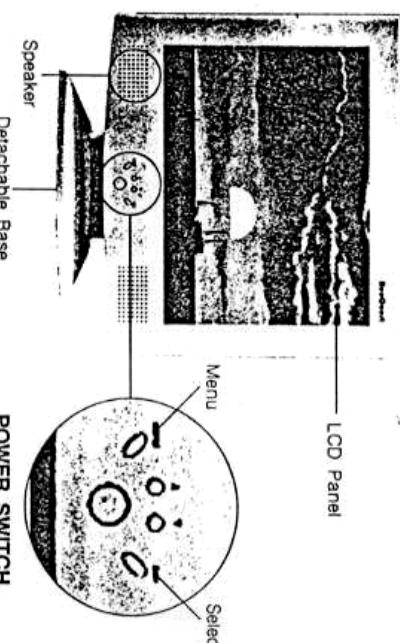
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet of a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Notice 1 :

The changes or modification 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.



POWER SWITCH

- Used in turning on/off the screen.
- The power light shows regular and safe mode functions with colors.

DOC CLASS B NOTICE

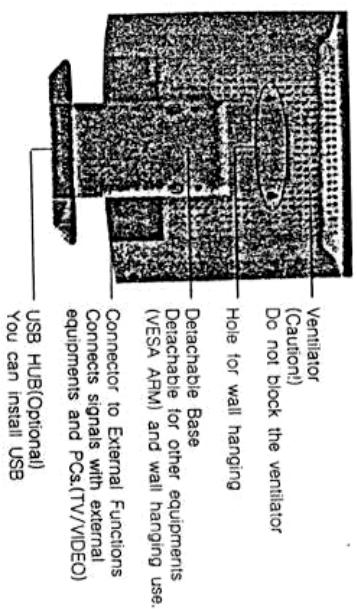
This digital apparatus does not exceed Class limits for radio noise Emission for a digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

MAIN FEATURES

Thank you for purchasing our high resolution TFT LCD Monitor.

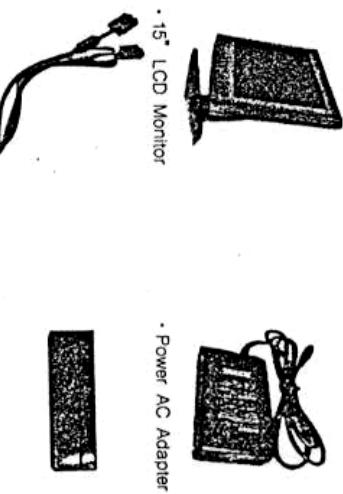
We recommend that you thoroughly read through this user's Guide before using the product. It is also recommended to safely store the Guide in times of immediate need in the course of using the product.

● BACK OF MONITOR



● COMPONENTS

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



● 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.

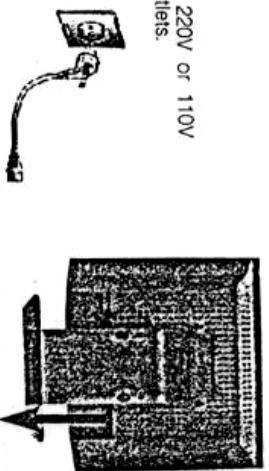
1. Convenient and easy to handle Control Button.
2. From PC function to TV/VIDEO/AUDIO functions. (TV/VIDEO are optional)
3. A slim and space reducing monitor.
4. Monitor transferable for wall hanging.
5. Industrial robot and VESA installable.
6. Liberal angle control (+30°C ~ -5°C)
7. Low energy consumption (refer to pg 12)
8. Scarcey influences surrounding objects, with no harmful electronic waves, noise, heat or magnetic activities.

● PRECAUTIONS IN INSTALLING

- Install on stable 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 220V or 110V capacity outlets.



- ① Connect to 12V DC with the adapter included in the box to 110 or 220 V outlet.
- ② PC connect to S-VHS Cable.(Optional)
- ③ Connect to DVD or VCR. (Optional)
- ④ Connect signal cable to PC. ("No signal" will appear on the monitor if improperly connected. In case of using Macintosh, use the exclusive adapter.)
- ⑤ Connect to input terminals L, R that need Audio output.
- ⑥ Connect headphones to the connecting terminal.
- ⑦ Connect the antenna or CATV connecting cable to the 'Antenna' terminal.(Optional)

● 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

〈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 95/98/2000



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 fill 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.

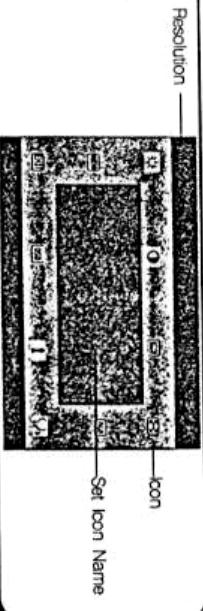


- With the mouse pointer on the Windows desktop, select registration info by right clicking.

- 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 mode' 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.

● BASIC SCREEN CONTROL

MAIN OSD



● TO BRIGHTEN THE SCREEN

MENU→BRIGHT → CONTROL WITH(+, -)

You can control the brightness of the screen.

● TO CLARIFY THE SCREEN

MENU→CONTRAST → CONTROL WITH(+, -)

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

● CONTROLLING SCREEN COLOR

MENU→SELECT → SELECT COLOR TEMPERATURE WITH(+, -)

You can select screen color temperature(6500K-9300K)

and control color in selecting USER mode

User Color control

- Select user mode USER Control With (+, -)
- ① Select In Controlling Red Gain
- ② Select In Controlling Green Gain
- ③ Select In Controlling Blue Gain

• TO EXIT THE SCREEN **EXIT**

MENU→EXIT **EXIT** →CONTROL WITH(+,-)

- You can control the exit of the screen.

● SCREEN CONTROL

• VIEWING MONITOR INFO **I**

MENU→INFORMATION **I** →CONTROL WITH(+,-)

- You can view vertical/horizontal frequency info and resolution

• CONTROLLING CLOCK **CLOCK**

MENU→SELECT CLOCK **CLOCK** → CONTROL WITH(+,-)

- ① Select **CLOCK** in Controlling Clock
- ② Select **CLOCK** in Controlling Clock

• CONTROLLING POSITION **POSITION**

MENU→SELECT POSITION **POSITION** →CONTROL WITH(+,-)

- ① Select **POSITION** in Controlling H-Position
- ② Select **POSITION** in Controlling V-Position

• CONTROLLING AUDIO **AUDIO**

MENU→SELECT AUDIO **AUDIO** →SELECT COLOR TEMPERATURE WITH(+,-)

- ① SELECT **VOL** in control Volume
- ② SELECT **BAL** in control Balance
- ③ SELECT **TRB** in control Treble
- ④ SELECT **BASS** in control Bass
- ⑤ SELECT **MUTE** in control Mute On, Off

● CONTROLLING OTHER FUNCTIONS

• VIEWING THE MENU LANGUAGE IN DIFFERENT LANGUAGES **LANGUAGE**

MENU→SELECT LANGUAGE **LANGUAGE** →TEMPERATURE **TEMPERATURE** WITH(+,-)

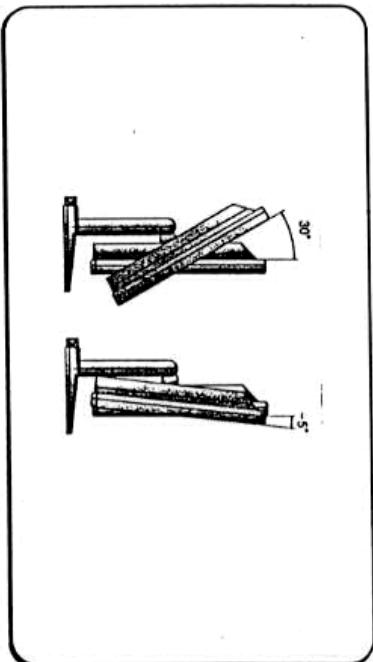
- You can select language temperature

• CONTROLLING OSD **OSD**

MENU→SELECT OSD **OSD** →control with(+,-)

- ① Select **OSD** in controlling OSD Time
- ② Select **OSD** in controlling OSD Position

• CONTROLLING CONNECITANGLE **CONNECTANGLE**



● VIDEO FUNCTION SETTING (OPTION)

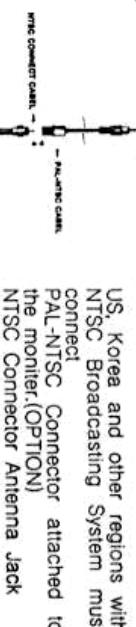
• SELECT INPUT VIDEO

MENU→SELECT VIDEO  →CONTROL WITH(+,-)

• CONTROLLING CHANNEL

MENU→SELECT CHANNEL  →CONTROL WITH(+,-)

• TV SETTING



● POWER SAVING MODE(S)

If your computer system features a display power management function, the Monitor enters 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 | Power Saving function, EPA | | |
|-------------------|-----------|---------------------------------|---------------------------------|-----------|
| | Operation | 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 | Orange/Green Blinking(1 sec) | Orange/Green Blinking(1 sec) | Orange |
| Power Consumption | 30 watts | 3 watts | 3 watts | 3 watts |

• CONTROLLING AUDIO

MENU→SELECT AUDIO  →SELECT COLOR TEMPERATURE WITH(+,-)

• SELECT BAL

① SELECT  in control Balance

• SELECT TRB

② in control Treble

• SELECT BASS

③ SELECT  in control Bass

MENU→SELECT CHANNEL  →CONTROL WITH(+,-)

○ 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) |
| 1 | 640×350 | 31.5 70.0 25.2 + + |
| 2 | 720×400 | 31.5 70.1 28.3 - + |
| 3 | 640×480M | 31.5 59.9 25.2 - - |
| 4 | 640×480 | 31.5 59.9 25.2 - - |
| 5 | 640×480M | 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 | 832×624M | 49.7 74.5 57.3 - - |
| 13 | 1024×768 | 48.4 60.0 65.0 - - |
| 14 | 1024×768M | 48.8 60.0 64.0 - - |
| 15 | 1024×768 | 56.5 70.1 75.0 - - |
| 16 | 1024×768M | 60.2 74.9 80.0 - - |
| 17 | 1024×768 | 60.0 75.0 78.8 + + |

* M : Mac Mode

○ PRECAUTION

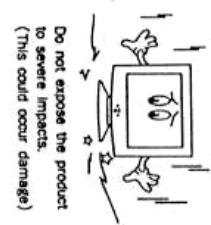
The below precautions should be carefully followed for the effective function of the product and safety of users.



Do not use damaged plugs or worn out outlets. (Danger of electrocution)



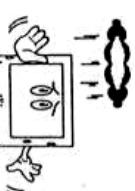
Do not try to disassemble, repair, or remove the product without expert assistance. (Contact the service center for parts needing repair.)



In weather conditions of thunder and/or lightning, or when you will not be using the product for a long period of time,拔出电源线 (Danger of electrocution)



Do not try to bend the cord or put it under heavy objects. (Danger of electrocution, fire)



Do not leave the product in damp or wet places as there is danger when the product is exposed to water or metal. (danger of electrocution)

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 decolorize, dissolve, or crack.)

● SPECIFICATIONS

| Category | Specification |
|------------------------|--|
| L C D (panel) | |
| Screen Size | 15 inch [Diagonal Length] |
| Visible Screen Size | 304.1(H) x 228.190(15.0 inch diagonal) |
| Pixel Range | 0.297(H) x 0.297(W) |
| Type | a-si TFT-LCD(Liquid Crystal Display) |
| Visual Angle | Upper/TV: Lower 70°/Upper 55°/Lower 65° |
| Sync | |
| Horizontal Frequency | 30~80 kHz(Auto Sel) |
| Vertical Frequency | 56~75 Hz(Auto Sel) |
| Color Display | 16.7M Color |
| Input Signal | |
| TV/VIDEO (optional) | |
| Video Signal | ANALOG 0.7Vp positive (75Ω) |
| Audio Signal | NTSC/PAL/SECAM |
| Video Type | Mono / Stereo |
| Sync Signal | |
| Separate Sync Signal | TTL LEVEL POSITIVE OR NEGATIVE |
| Composite Sync Signal | TTL LEVEL POSITIVE OR NEGATIVE |
| Green Video+Composite | Composite sync/1pp Negative (Video 0.7Vpp positive) |
| Power/Voltage | |
| Energy Consumption | Voltage Use Power 100-240V/50Hz/50Hz DC 12V/3A Regular Energy Consumption Maximum 30W |
| Consumption | Standby Consumption Under 3W |
| Movement Condition | |
| Temperature | -20°C~40°C |
| Humidity | 10%~95% |
| Size | |
| Excluding BASE | 360 x 58 x 383.5 |
| Including BASE | 360 x 163 x 383.5 |
| Weight | |
| Net | 5 kg(11 lbs) |
| Gross | 7 kg(15.4 lbs) |

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