AXION

The Art of Vi...

USER'S MANUAL

15.1" TFT LCD Color Monitor

- TFT Active Matrix Monitor
- 1024x768 Non-Interlaced
- User Friendly OSD control
- Energy Star / VESA DPMS Compliant
- DDC 1/2B Plug and Play Ready
- Built in USB

LA-1560A
LA-1560B

FCC ID : ATIQR3LA-1560AB

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1.1 General Information

Thank you for purchasing this 15.1" flat-screen TFT LCD monitor. It is designed to meet the screen performance requirements of today's demanding business applications. It delivers a larger display area, higher resolutions, and greater color accuracy.

Compatible with IBM and compatible systems, this monitor is designed to operate under a multitude of hardware platforms and video standards VGA to 1024x768 non-interlaced. Its multiscan function automatically adjusts the monitor to the scanning frequency of your video card.

Its non-interlaced and higher refresh rate offers flicker-free image. which reduces eye-strain and fatigue so that you can work in front of the screen longer.

The OSD(on screen display) microprocessor user control system enhances and expands your ability to control your display. The microprocessor-based memory stores your preferred screen settings. Positioned in front so that they are easier to reach and use, the digital controls greatly improve your capabilities to adjust the screen settings.

The Tilt base allow you to comfortable adjust the monitor to your preferred angle of vision.

This monitor also supports universal power supply, allowing you to use the monitor anywhere in the world.

1.2 Safety Instruction

The equipment should be installed near the wall socket, which should always be easily accessible. If any faults occur with the equipment, disconnect the power supply cord from the unit first.

1.3 Federal Communications Commission 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 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 / TV technician for help.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouiller du Canada.

2.1 The Product

Make sure that the following parts have been included in the carton box:

1. 15.1" LCD Monitor With

2. Power Cord.

3. User's manual.
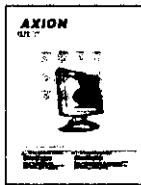
4. Software Diskette.

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2.2 Precautions

- Sit at least 18" from the TFT LCD Monitor.
- **Do not apply pressure to the screen.** The LCD is very delicate.
- **Do not touch the screen directly with your fingers.** You may damage the screen, and oil from your skin is difficult to remove.
- Avoid exposing the LCD to direct sunlight or other heat source. The LCD should be facing away from direct sunlight to reduce glare.
- Choose a well ventilated area to position your LCD to allow adequate dissipation of heat. Do not place anything on top of the LCD,
- Ensure the area around the LCD clean and moisture-free.
- Do not place heavy objects on the power cord, video or audio cables, or on the LCD.
- If smoke, abnormal noise, or strange odor is present, immediately switch the power off and call your dealer. It is dangerous to continue using the LCD.
- Never remove the rear cover. The display unit contains high-voltage parts. You may suffer electric shock if you touch these parts.
- Always handle your LCD with care when moving it.

Cleaning the TFT LCD Monitor

- To clean the screen:
    1. Gently wipe the screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth. This removes dust and other particles that can scratch the screen.
    2. If still not clean, blow on the screen and gently wipe with a soft, clean, lint-free cloth.
- Never pour or spray any liquid directly onto the screen or case of the LCD.

Disclaimer
We do not recommend the use of any liquid cleaners on the LCD screen or case. Chemical cleaners have been reported to damage the screen and/or case of the LCD. Further, We do not recommend applying pressure when wiping the LCD screen clean. We will not be liable for damage resulting from use of liquid cleaners or resulting from applying pressure on the screen.
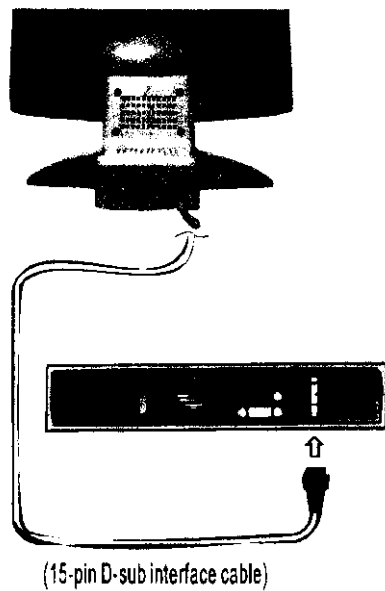
2.3 Connection

Connecting the Monitor to the Computer

Note: Please be sure the AC power to your computer is turned OFF before connecting or disconnecting any display peripherals. Failure to do so may cause serious personal injury as well as permanent damage to your computer equipment.

2.3.1. Connecting to IBM PC, PC/XT, PC/AT, PS/2, or compatibles:

Connect 15-pin D-sub interface cable to the computer via the video connector on the video card, and fix it firmly with the screws provided on the plug.

(15-pin D-sub interface cable)

2.3.2. Connecting to Apple Macintosh Quadra and Power Macintosh families (Optional)

■ Connect the 15-pin D-sub adapter to the interface cable.

■ Connect the 15-pin D-sub adapter to the computer via the video connector on the video card, and fix it.


(15-pin D-sub adapter Optional)

(15-pin D-sub interface cable)
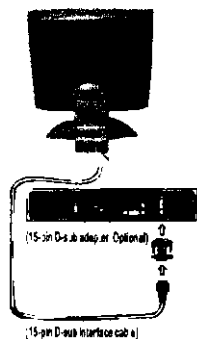
2.3.3. Connecting the monitor to the main power

■ Connect one end of the main power cord to main power socket at the rear of the monitor, and connect the other end of the cord to the main power supply.

Note: This monitor is set to operate using a 100-240 volts AC, +/- 10%, 50/60Hz power supply. If the voltage in your home is different from this, consult your dealer.
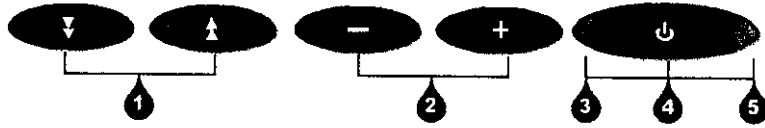

(Main power)

2.3.4 USB
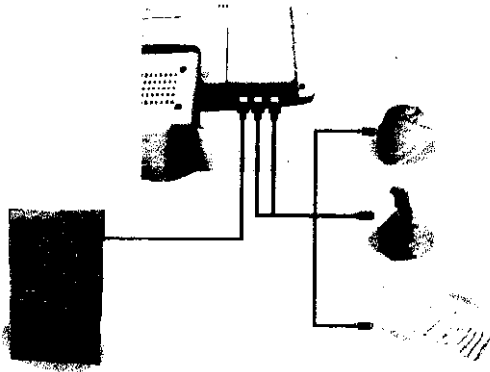
Four convenient connections in the rear side of LCD panel for USB peripherals, such as a mouse and a keyboard.

2.4 User Controls
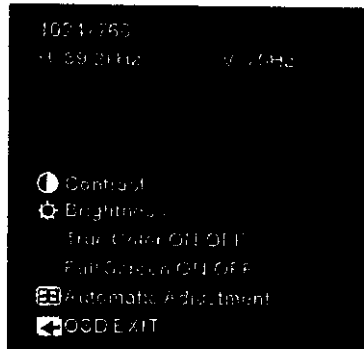
2.4.1. Control locations and functions

1. SELECT KEY
2. ADJUST KEY
3. POWER ON INDICATOR

4.ON/OFF SWITCH (CPU CONTROL)
5.POWER SAVE INDICATOR

2.4.2 OSD menu descriptions

BASIC

- **Contrast** : An adjustment bar appears. The display contrast can be adjusted.

- **Brightness** : An adjustment bar appears. The display brightness can be adjusted.

- **True Color ON/OFF** : With this item the user can select a 6 bit/color (hicolor) or an 8 bit/color (true color) performance.

- **Full Screen ON/OFF** : In all supported modes scaling yields a full screen picture. In some specific videomodes (VGA, SVGA) however the stability of datagraphic images (such as text) is increased when integer values are used for scaling. This normally yields a slightly less then full screen image, however readability is benefited. The full screen On/Off allows the user to select which scaling method is used.

- **Automatic Adjustment** : is a function which monitor adjusts the size, phase, and color temperature optimally by itself according to applied video. For proper "Automatic Adjustment" operation, please use the program "TESTPATT.EXE" in a floppy disk attached.

Steps are to be followed:

1. Start Windows 95/98 operation system.

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2. Execute the program "TESTPATT.EXT" saved in the disk attached.

3. Press "Select" key on the front panel of monitor to call the OSD menu.

4. Roll down the red bar to location of "Automatic Adjustment" then press "-" or

"+" to make the function work.

5. After finished, roll down the red bar to "Exit" to leave OSD menu.

6. Click once the left button of your mouse to leave the test program.

For every change of resolution, procedures above should be done again for correct and better use of this monitor.

SETUP
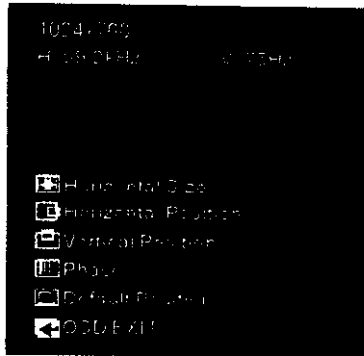
- **Horizontal size :** An adjustment bar appears. The horizontal size of the image,which is the pixel frequency of the analog to digital converter,can be adjusted.

- **Horizontal position :** An adjustment bar appears. The horizontal position of the image can be adjusted.

- **Vertical position :** An adjustment bar appears. The vertical position of the image can be adjusted.

- **Phase :** An adjustment bar appears. By varying this control the exact sample moment within the pixel can be adjusted. This control optimizes the noise performance, as signals from present VGA controller cards in PC are far from ideal.

- **Default Position :** Factory presets image position can be recalled.

COLOR
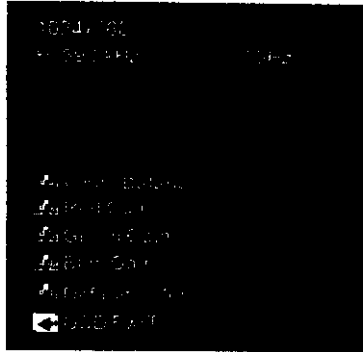
- **White Balance** : An adjustment bar appears. The balance between red and blue channels (color temperature of the image) can be adjusted.

- **Red/Green/Blue Gain** : The Red / Green / Blue Gain can be adjusted.

- **Default Color** : Factory presets color can be recalled.

AUXILIARY
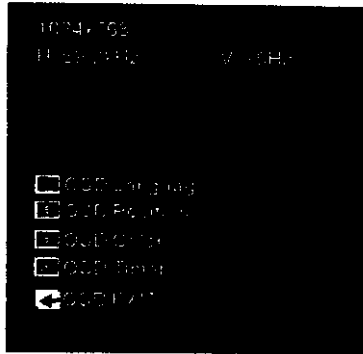
- **OSD language** : A dialog box appears. The user can select five kinds of languages (English , Deutsch , Français , Espanōl , Italiano) for the OSD dialogs.

- **OSD Position** : The position of the OSD windows can be adjusted.

- **OSD Color** : The color of the OSD windows can be adjusted.

- **OSD timer** : An adjustment bar appears. The timer of the OSD window automatically disappears after the last performed activity can be adjusted.

Power Management system
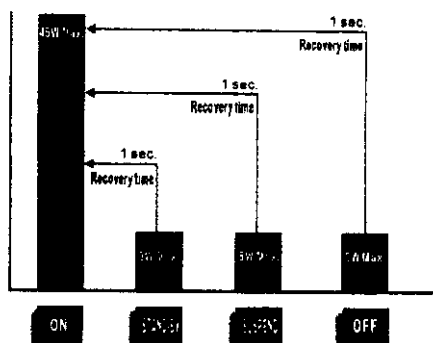
A. You must have a GREEN PC or Power Management Software to utilize VESA power saving protocol.

B. When the monitor detects a "Stand-by" or a "Suspend" signal from the PC. The monitor power consumption will drop to below 5W, and if an "OFF" signal detected, the power consumption will drop to below 5W automatically.

C. When the monitor detects an "ON" signal from the PC, it will restart automatically as a normal turn-on.

Video Mode

Compatible	Standard VGA			VESA								
Resolution	640 x 350	640 x 400	640 x 480	640 x 480	640 x 480	800 x 600	800 x 600	800 x 600	800 x 600	1024 x 768	1024 x 768	1024 x 768
Horizontal Frequency (KHz)	31.47	31.47	31.47	37.86	37.5	35.16	38	48.09	46.87	48.36	56.48	60.02
Refresh Rate	70	70	60	72.8	75	56.25	60	72	75	60	70	75
	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I

IF YOU HAVE ANY QUESTIONS OR DIFFICULTIES IN OPERATING THIS PRODUCT, PLEASE CONTACT YOUR AUTHORIZED DEALER.

Specifications

1. Panel	*15.1 inches, TFT LCD, 0.3mm pixel pitch*
2. Input Signal	*Video: Analog 0.7Vpp/75 ohm Positive* *Sync: Separate sync. TTL level*
3. Display color	*Analog Input, 16.7M colors*
4. Synchronization	*Horizontal: 30 to 60KHz (automatically)* *Vertical: 50 to 75Hz(automatically)*
5. Video Bandwidth	*80 MHz*
6. Display size	*Horizontal: 307.2 mm* *Vertical: 230.4 mm*
7. Power Supply	*VAC 110-240, 60/50 Hz*
8. Current Rating	*1A*
9. Dimensions	*394mm x 405mm x227mm(WxHxD)*
10. Weight	*11Lbs. (5kgs)*
11. Environmental *Considerations*	*Operating Temperature: 0°C to 35°C* *Humidity: 30% to 80%* *Storage Temperature: -20°C to 60°C* *Humidity: 10% to 90%*
12. Others	*DDC1, DDC2B*