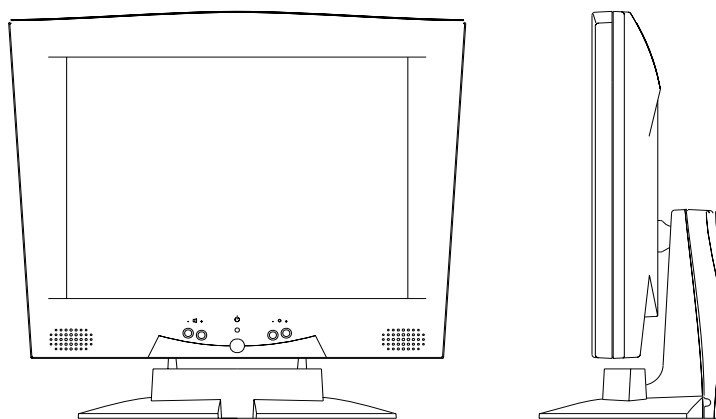




Operation Manual

LA810E




18.1" Ultra High Resolution
Digital Interface
LCD Monitor





Sicherheitshinweise

1. Lesen Sie die folgenden Hinweise vollständig durch.
2. Bewahren Sie die Anleitung auf.
3. Befolgen Sie alle Hinweise und Warnungen, die am Produkt selbst vermerkt sind.
4. Ziehen Sie den Netzstecker aus der Steckdose, bevor Sie das Gerät reinigen. Verwenden Sie keine flüssigen oder ätzenden Reinigungsmittel. Benutzen Sie zur Reinigung ein feuchtes, fusselfreies Tuch.
5. Betreiben Sie das Gerät niemals in der Nähe von Wasser.
6. Stellen Sie das Gerät niemals auf eine instabile Fläche, Regal oder Tisch. Andernfalls könnte es herunterfallen und beschädigt werden.
7. Sämtliche Schlitze und Öffnungen auf der Unter- und Rückseite des Gerätes dienen zur Lüftung, so daß es ausreichend vor Überhitzung geschützt ist. Diese Lüftungsschlitze dürfen niemals verdeckt werden, auch nicht, indem Sie das Gerät auf ein Bett, Sofa, Kissen oder eine ähnliche Unterlage stellen. Das Gerät darf niemals in der Nähe oder auf einem Heizkörper bzw. einer anderen Wärmequelle stellen. Ebenso wenig darf es in Einbauschächte oder Schränken installiert werden, wenn nicht für ausreichende Belüftung gesorgt wird.
8. Das Gerät muß immer an eine Netzspannung gemäß der Plakette auf der Gehäuserückseite angeschlossen werden. Falls Sie sich nicht sicher sind, welche Netzspannung verfügbar ist, wenden Sie sich an Ihren Fachhändler.
9. Das Gerät ist mit einem 3adrigen Stecker ausgerüstet, der für ausreichende Erdung sorgt. Der Netzstecker paßt aus Sicherheitsgründen nur in eine geerdete Steckdose. Falls der Netzstecker nicht in Ihre Steckdose passen sollte, wenden Sie sich an einen Elektriker, damit dieser die veraltete Steckdose auswechselt.
10. Stellen Sie keine Gegenstände auf das Netzkabel, und verlegen Sie es so, daß niemand hierüber stolpern kann.



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11. Wenn Sie ein Verlängerungskabel verwenden, vergewissern Sie sich, daß der Gesamtverbrauch aller angeschlossenen Geräte die maximale Belastbarkeit des Verlängerungskabels nicht überschreitet. Stellen Sie ebenso sicher, daß der Gesamtverbrauch aller Geräte den Wert von 15 A nicht überschreitet.
 12. Stecken Sie keine Gegenstände durch die Lüftungsschlitze, da die elektronischen Komponenten im Gehäuseinnern Hochspannungen ausgesetzt sind. Andernfalls können Kurzschlüsse, Elektroschocks oder Feuer die Folge sein. Schütten Sie ebenso keine Flüssigkeiten auf das Gerät.
 13. Versuchen Sie nicht, das Gerät selbständig zu warten oder zu reparieren, da Sie sich ansonsten Hochspannung oder anderen Risiken aussetzen könnten. Überlassen Sie sämtliche Reparaturen einem qualifizierten Techniker.
 14. Ziehen Sie den Netzstecker aus der Steckdose, und wenden Sie sich an qualifiziertes Fachpersonal, falls das Gerät folgende Merkmale zeigt:

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- A. Wenn das Netzkabel oder der Netzstecker beschädigt oder ausgefranst sind.
 - B. Falls Flüssigkeiten in das Gehäuseinnere gelangt sind.
 - C. Wenn das Gerät Regen oder Wasser ausgesetzt war.
 - D. Wenn das Gerät nicht einwandfrei arbeitet, obwohl die nachfolgenden Anweisungen befolgt wurden. Stellen Sie das Gerät nur mit den Reglern ein, die in dieser Bedienungsanleitung besprochen werden, da eine Fehleinstellung anderer Regler das Gerät beschädigen kann und aufwendige Reparaturarbeiten die Folge wären.
 - E. Falls das Produkt heruntergefallen ist, oder das Gehäuse beschädigt wurde.
 - F. Wenn das Gerät einen außergewöhnlichen Betriebszustand aufweist, der reparaturbedürftig ist.





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 on a circuit different from that to which the receiver is connected.
- * Consult a dealer or an experienced radio/TV technician for help.

Warning

A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used.

Use only shielded cables to connect ATI devices to this equipment.




You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.





Safety Instructions

1. Read all of these instructions.
2. Save these instructions for later use.
3. Follow all warnings and instructions marked on the product.
4. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use this product near water.
6. Do not place this product on an unstable car, stand, or table. The product may fall, causing serious damage to the product.
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
8. This product should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
9. This product is equipped with a 3-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
10. Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.
11. If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.

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12. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
 13. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to service personnel.
 14. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance, indicating a need for service.
 15. Jordet Stikkontakt skal benyttes når apparatet tilkobles tele-/datanett!
(For Nordic Only)
 16. Apparaten skall anslutas till jordat uttage när skyddsklenspenning-
Sutgången till ett nät som passerar såväl ojordat som jordat miljö.
(For Nordic Only)
 17. This LCD monitor should use AC adaptor, model PA1250,PC1255,
PP1250 or PS1250.
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Contents

Introduction	7
Setup	9
Operation	12
Care and Maintenance	14
Troubleshooting	15
Technical Specifications	16





Introduction

Welcome to the exciting world of high resolution graphics with your purchase of a PanelVision monitor. This 18.1-inch intelligent LCD monitor features ultra high resolutions of up to 1280 x 1024 pixels.

PanelVision is the most functional LCD you can buy, ensuring the safest, most productive computing experience possible. Unlike CRT monitors, PanelVision provides crisp, sharp images from center to edge. There's no flicker to cause eyestrain and no electromagnetic radiation. Finally, your PanelVision monitor consumes approximately 40% of the power of a comparably sized CRT monitor.

Features

- 18.1" Large SXGA TFT LCD Panel
- 0.28 mm Pixel pitch
- No Radiation
- Lower Power Consumption (Below 65 Watts)
- Ergonomic Design
- 16.7M colors
- Microprocessor-based design with digital controls
- Universal auto-switching power adapter
- TCO'99 Compliant (Optional)
- VESA DPMS compliant
- USB with one up stream port and four down stream ports
- VESA DVI Digital Interface Standard
- Build in Speakers (0.5W x 2)



Unpacking

Carefully unpack your monitor, saving the packing material for future transportation of your monitor. Confirm that all of the following items are included:

- LCD monitor
- ATI Rage Fury Pro (or Hercules 3D PROPHLT DDR-DVI) Video Adapter
- AC-DC power adapter
- This manual
- Power Cord
- Audio cable (option)
- ATI (or Hercules) Installation Software CD-ROM or diskettes





Setup

Environment

In planning the environment in which you will use your monitor,

- Avoid placing the monitor in direct sunlight and do not face the panel into direct sunlight to avoid glare.
- Choose a well-ventilated area to avoid internal heat build up. Do not place the monitor on or near material which may block ventilation such as carpets or curtains. Avoid excessively dirty environments, and heat sources.
- Keep your monitor away from equipment that generates magnetism such as voltage converters, speakers, motors and televisions.
- Do not place heavy objects on the power cord or place the monitor in a way that the power cord is under tension.



Installing the Digital Video Card



In order to use your digital LCD monitor, you must first install the digital display adapter card included with your PanelVision monitor. A complete online manual for your ATI Rage Fury Pro digital LCD video card is available on the ATI Installation Software CD-ROM.

If you do not feel comfortable performing this installation, consult a qualified computer technician for assistance.



- 1 To insure a smooth installation, reinstall the Standard (VGA) graphics adapter driver through Control Panel / Display / Settings and set the display resolution to 1280 x 1024.
- 2 Power off the computer and display, then disconnect the display cable from the back of your computer.
- 3 Remove the computer cover. If necessary, consult your computer's manual for help.
- 4 Discharge your body's static electric charge by touching a grounded surface, such as the metal surface of the computer chassis before touching your computer boards or the graphic adapter card.
- 5 If your computer has uses an on-board built-in graphics adapter, you may need to disable it.
- 6 If your card is a PCI card, install it in a PCI slot. If your card is an AGP, install it in an AGP slot. If necessary, remove the metal cover from the expansion slot. Align your card with the expansion slot and press firmly until the card is fully seated.
- 7 Replace the screw to fasten the card in place, and replace your computer's cover.
- 8 Once you have completed the card and video driver installation, return to Control Panel / Display / Settings, and reset the display resolution and colors to your preferred settings.

For more detailed instructions, open the file \ati\online\english\start.pdf on the MAG PanelVision Software CD-ROM with a PDF reader. If you do not have a PDF reader, you may download one from www.adobe.com

Power Cable Connection

Connect the female end of the power cable to the power input receptacle on the power adapter. Plug the power cable into the wall outlet. Plug the other end of the power adapter into the DC-IN jack of the monitor.

Signal Cable Connection

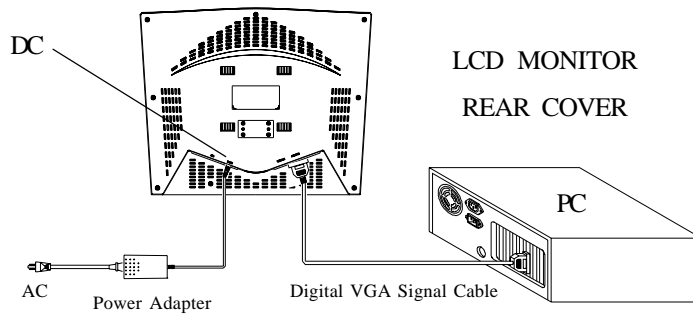
Plug the PanelVision digital signal cable into the digital signal connector on the video display card.

10



USB Connectivity

Your PanelVision monitor is equipped with one up-stream USB port and four down-stream USB ports. You may optionally connect your monitor to your computer via USB interface, and you may connect up to four USB peripherals, such as a keyboard, mouse or printer, directly to your monitor.



Power Up

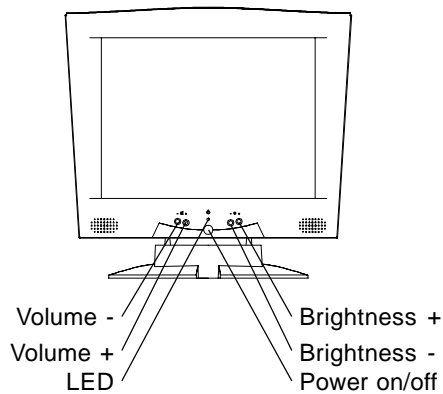
You are now ready to use your PanelVision monitor. Switch on the power to both the monitor and to your computer. If you need to make any adjustments to the displayed image, refer to the [Operation](#) Chapter. If the image does not display or displays improperly, refer to [Troubleshooting](#).





Operation

Panel Controls and Indicators



Power Switch

Press this button to turn the power On or Off. You may notice a one second delay before the monitor starts.

Power Indicator

The Power indicator should be On if the power cord is properly connected and the power button is switched On. During operation, the indicator light is green. It will turn orange if the monitor is in Power Saving mode or if there is no video signal. (In which case the signal cable may not be properly connected to the computer or the computer may have failed.)

Brightness Control

To adjust screen brightness press the + key to increase brightness or the - key to decrease brightness.

Volume Control

To adjust audio volume press the + key to increase volume or the - key to decrease volume.





Power Management

Your PanelVision monitor can enter three different power states. These are On, Suspend and Off. The panel will enter Suspend and then Off to conserve power and preserve the screen. What state the panel is in depends on the signal that the panel is receiving from the adapter card in your computer. Thus your computer's power management settings will effectively set your panel's power states under different conditions.

On	Both horizontal and vertical syncs are operational and the monitor functions normally.
Suspend	Either horizontal or vertical syncs signals are inactive (in accordance with VESA DPMS specifications) and not operational. All parts of the monitor are disabled except for the microcontroller and the Detection Logic Circuit.
Off	Both horizontal and vertical syncs are inactive (in accordance with VESA DPMS specifications) and not operational. All parts of the monitor are disabled. This is the lowest possible power state of the monitor.

The monitor will automatically revert to its On state when both horizontal and vertical signals are present.



Plug & Play

Your PanelVision monitor is DDC Plug & Play compliant. If your monitor is used with a DDC compliant video adapter, your monitor will inform your operating system of your monitor's different operating modes. To implement DDC, turn on your computer first and then your monitor. Windows will create a table of your monitor and video adapter's maximum refresh rates at different possible resolutions.





Care and Maintenance

- *The surface of your PanelVision screen is delicate. Avoid touching the screen and especially applying pressure to the screen with your fingers or other objects. Be especially careful to avoid touching the screen with sharp objects.*
 - Use only non-ammonia glass cleaner on the screen.
 - Avoid spilling liquid on your PanelVision monitor.
 - If the LCD panel becomes dirty, wipe off the panel with a dry soft cloth. If necessary, you may apply slight humidity to the panel with your breath, then immediately wipe the LCD panel dry with a dry soft cloth. Leaving humidity on the panel may result in discoloration of the LCD panel.
 - If the panel cannot be cleaned with a dry cloth, you may use a soft piece of cloth lightly moistened with water. Do not allow any water to enter the LCD monitor where it may cause damage and wipe dry the LCD panel immediately.
 - Clean the cabinet, panel and controls with a soft dry cloth. If the case is very dirty, use a soft cloth, lightly moistened with a mild detergent solution. Do not use abrasive pads or solvents such as alcohol based cleaners or benzene to clean your monitor
 - Always handle your PanelVision monitor with care when moving it.
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Troubleshooting

If your PanelVision monitor is not functioning properly, use the list below to isolate the problem and find remedies to common problems.

No Picture

- 1 Is Power connected?
 - Connect the power cord
 - Check that the power switch is On
- 2 Is the monitor receiving a video signal?
 - Check that the signal cable between the monitor and your computer is properly connected.
 - Check that the computer power switch is On
 - Check that the monitor is not in Suspend mode.

Color is Abnormal

Is the signal cable properly attached?

- Check the video signal cable.



Technical Specifications

LCD PANEL	Digital 18.1" TFT (Thin Film Transistor)
DISPLAY SIZE (W X H)	14" x 11" (359.0mm x 287.2mm)
MAXIMUM RESOLUTION	1280 x 1024 @ 60Hz
DISPLAY COLORS	16.7M
PIXEL PITCH	0.28mm RGB stripe
RESPONSE TIME	50ms
BACKLIGHT	CCFT x 6
VIEWING ANGLE	+/- 70° (H), +/-550 (V)
BRIGHTNESS (LUMINANCE)	235nits Typ
CONTRAST RATIO	300:1 typical
USER CONTROLS	Power, Brightness and volume
PC INTERFACE	Built-in VESA DVI Digital (Panel-Link) Interface ATI Rage Fury Pro (AGP)32MB SDRAM
USB	Pure Hub 1 Up Stream / 4 Down Stream
AUDIO	Stereo Mini Jack 0.5W x 2
PLUG & PLAY	DDC 2B
POWER SUPPLY	AC/DC 90-264VAC, 48-62Hz Adapter
INPUT SIGNAL	5.9 ft. (1.8m) Pigtailed 25-pin DVI Connector
MAX. POWER CONSUMPTION	On: 65 watts, Power Saving: <8 watts (with USB)
OVERALL DIMENSION (W x H x D)	19.55" x18.5x" 7.7" (496.5 x468.5x95.5mm)
WEIGHT	Net: 16.94 lb. (7.7kg) Gross: 23.54 lb. (10.7kg)
CERTIFICATIONS	UL, TUV/GS, CE, CUL, FCC-B, VCCI II, TCO '99(optional)



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