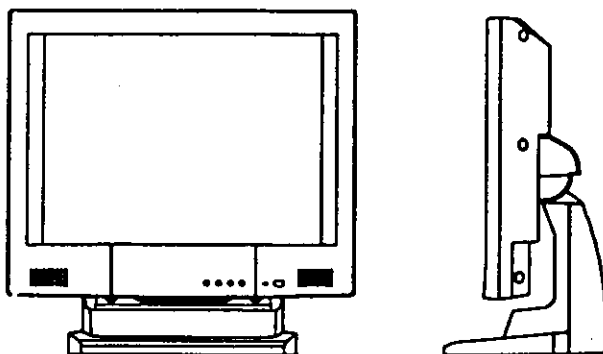


Operation Manual

LT510


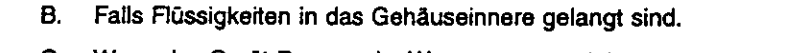


15" Ultra High Resolution
Digital Control
LCD Monitor

FCC ID: IAWLT510C

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.

- 
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:
 - 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.
- 

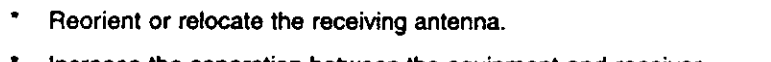




FCC COMPLIANCE STATEMENT

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 I/O 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.

3





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)
- 
- 





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1. INTRODUCTION

1.1. General Information

Welcome to the exciting world of high resolution graphics with your purchase of the Model color LCD monitor!

The Model is a 15-inch intelligent LCD monitor with ultra high resolutions of up to 1024 x 768. The microprocessor-based design was implemented with the user in mind by providing digital controls.

We invite you, the proud new owner of this fine monitor, to read this user's manual before operating.

1.2 Features

- 15" Large Size XGA TFT LCD Panel
- 0.297 mm Pixel pitch
- No Radiation
- Lower Power Consumption (Below 35W)
- Ergonomic Style ID
- 256 K colors
- Digital interface(TMDS)
- Microprocessor-based design with digital controls and surge / signal protect.
- Universal auto-switched power Adapter
- TCO92 Compliant
- VESA DPMS compliant



1.3 Check list

Before using this monitor, please make sure that all the items listed below are present in your package:

- LCD monitor
- AC-DC power adapter (Inside the monitor)
- This manual
- Power Cord

2. SETUP

2.1 PCI card installation (For Reference)

Installing the PCI card into your system is straightforward and simple. Follow the instructions below for error-free installation.

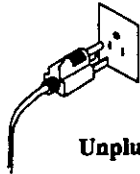
To install your PCI card:

1. Touch a metal plate on your system to ground yourself and discharge any static electricity.



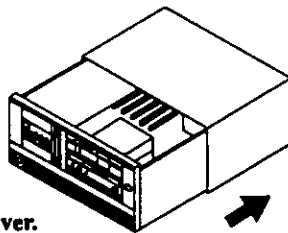
Discharging static electricity.

2. Switch off your system and all peripheral devices. Unplug the power cord from the wall outlet.



Unplugging power cord.

3. Remove the cover from your system.

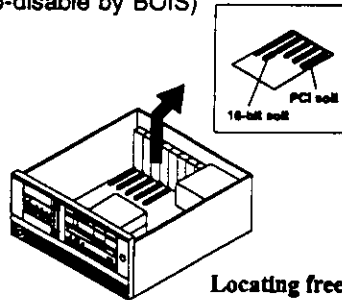


Removing system cover.

9

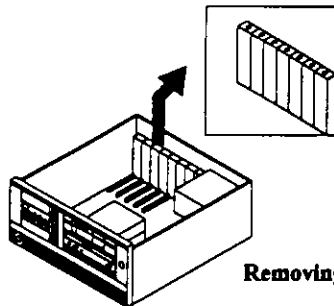


4. Locate a free PCI expansion slot. (If you have a old VGA card remove it from your system, If your computer's VGA on board, the system will auto-disable by BOIS)



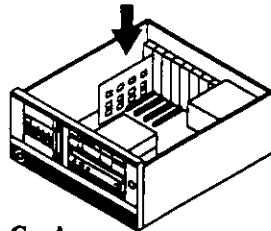
Locating free expansion slot.

5. Remove the metal plate from the expansion slot you have chosen. Put the screw aside. This screw will be used later to secure the mounting bracket of the card. Also, keep the metal plate in case the VGA card is removed from the expansion slot and you need to cover the slot.



Removing metal plate.

6. Align the card's gold-stripped expansion bus connector with the free expansion slot and gently lower the card into the slot.



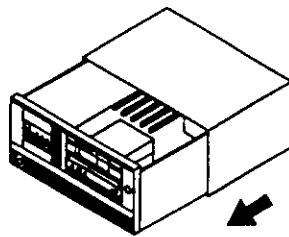
Inserting Video Card.

10



7. Secure the card to the expansion slot with the screw you removed from the metal plate.

8. Replace the cover of your system.



Replacing system cover



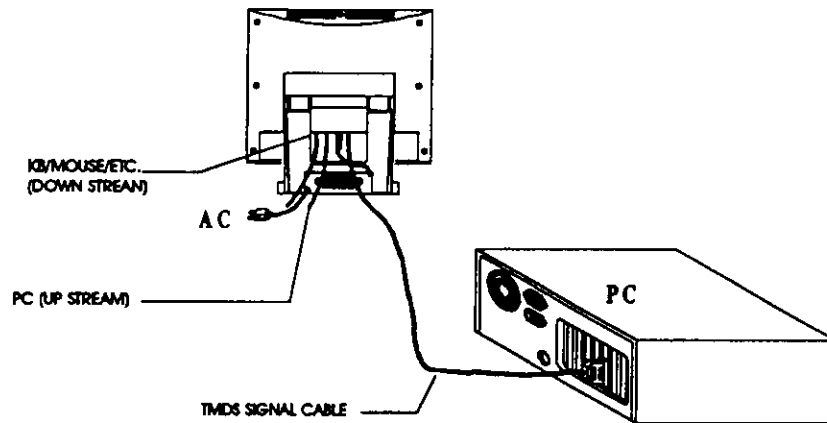
2.2 LCD Monitor setup

2.21. Power Cable Connection

Connection the female end of the power cable to the power input receptacle on the power adapter of the monitor. Then, plug the power cable into the wall outlet, the other end of the power adapter into the DC-IN of the monitor (for check).

2.22 Signal Cable Connection

Connect the 26-pin end of the signal cable to the female 26-pin receptacle of your VGA card.



2.23 Power ON

Switch ON the power to both your monitor and your computer.





3. ADJUSTING THE CRADLE

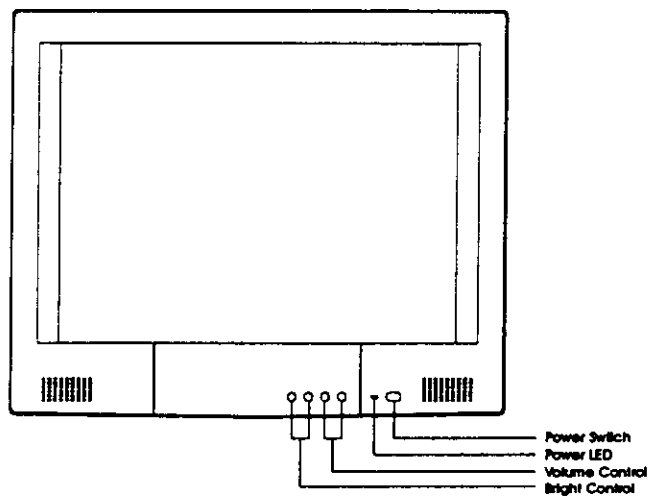
3.1 Bezel Adjustment

The Cradle can be adjusted for your maximum viewing comfort. It can be adjusted through angles of 20 degree up and 5 degree down.



4. CONTROL AND ADJUSTMENTS

Front Panel Controls



4.1 Power Switch

Press this button to turn the power ON or OFF. There will be a second delay for the monitor to boost up.

4.2 Power LED

The LED 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 there is no signal applied (the signal cable may not be properly connected or your computer fail.).

When the brightness and Contrast button adjust to maximum or minimum position, the power LED will be flash. This control allows you to adjust the brightness of your screen.





4.3 Brightness Control (☀)

This control allows you to adjust the brightness of your screen.

Button ⊕ and ⊖ can increase or decrease the brightness of display.

4.5 Volume Control (🔊)

This control allows you to adjust the volume of your speaker.

Button ⊕ and ⊖ can increase or decrease the volume.

4.6 Recall Default Setting

Power off system. Press "Contrast +" and "Power" buttons simultaneously. The system will then display factory default settings.





5. DISPLAY POWER MANAGEMENT

5.1 Definition of modes

There are three mode of operation for the model. These are ON, SUSPEND and OFF.

ON Both horizontal and Vertical syncs are present and the monitor is in normal operation.

Suspend Horizontal or Vertical sync is inactive per VESA DPMS spec. and not operational. All parts of the monitor are disabled except for the Microcontroller and the Detection Logic Circuit.

OFF Both Horizontal and Vertical sync are inactive per VESA DPMS spec. and not operational and all parts of the monitor are disabled. This is the lowest possible power state of the monitor that maintains automatic on when the both Horizontal and Vertical signals are active again.



5.2 Power Consumption

Normal operation : 35 W

Suspend/off mode : < 8 W



APPENDIX:

Specifications

* Panel Part :

- **LCD:**
15.0" 1024X768 TFT (Thin Film Transister)

* Monitor Part:

- **Effective Display Size: (Diagonal)**
15.0 inch (304mm x 228mm) — near 17" CRT > A4 paper size
- **Resolution & Display Colors:**
XGA 1024X768 120 HZ/ a-si TFT 64/256K Color
- **Pixel pitch:**
0.297mm RGB Stripe
- **Brightness(Luminance):**
Two Lamps (CCFT) for Monitor 200 cd/m2 Type.
- **Contrast ratio:**
200:1
- **Response time:**
50ms Type
- **View angle:**
Left/Right +/- 65 deg.(H), Up/Down + 40 / - 60 deg.(V)
- **User controls:**
Front Panel — POWER LED, POWER Key, Brightness (+/-), Volum (+/-)
Rear Cover — Digital Video In ,DC In Jack (+12V/+6V), USB In / Out
- **PC interface:**
Using a private PCI card (Trident 9385 - 1 chip)
4 MB EDO-DRAM on board



Build-in TMPS interface

- **Signal Cable:**
2.8mm Long 26Pin SCSI type Cable
- **Signal Cable:**
Locally (Self) powered pure hub, supporting full speed USB 1 upstream (B Type Receptack), 4 downstream (A Type Dualport Receptack)

*** Power Supply:**

- 35 Watts Max.(ON), Power Down Mode < 8 Watts (SUSPEND/OFF)
- **AC/DC Adapter :**
Input: 100 - 240 Vac, 1A, 50-60Hz
Output: 12Vdc, 3A

*** Dimension & Weight:**

- **SIZE :**
Landscape : 380 x 376.5 x 170mm (W x H x D)
- **WEIGHT :**
Gross : TBD
Net : TBD

*** Regulation:**

- **Safety Standards**
UL, CUL, TÜV, T-Mark
- **EMI Standards**
CE, FCC CLASS B, VCCI II
- **Emissions Standards**
MPR II, TCO 1992 , TCO 1995 (Optional)
- **Energy Saving Standards**
EPA Energy Star™, VESA®, DPMS™



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