



SlimView 527

User's Guide

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT INFORMATION TO THE USER

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 assistance.

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

Connecting of peripherals requires the use of grounded shielded signal cables.

TCO'95

Congratulations! You have just purchased a TCO'95 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also, to the further development of environmentally adapted electronics products.

Why do we have environmentally labelled computers?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem, as far as computers and other electronics equipment are concerned, is that environmentally harmful substances are used both in the products and during the manufacturing. Since it has not been possible for the majority of electronics equipment to be recycled in a satisfactory way, most of these potentially damaging substances sooner or later enter Nature.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Since all methods of conventional electricity generation have a negative effect on the environment (acidic and climate-influencing emissions, radioactive waste, etc.), it is vital to conserve energy. Electronics equipment in offices consume an enormous amount of energy since they are often left running continuously.

What does labelling involve?

This product meets the requirements for the TCO'95 scheme which provides for international and environmental labelling of personal computers. The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Naturskyddsforeningen (The Swedish Society for Nature Conservation) and NUTEK (The National Board for Industrial and Technical Development in Sweden). The requirements cover a wide range of issues: environment, ergonomics, usability, emission of electrical and magnetic fields, energy consumption and electrical and fire safety. The environmental demands concern restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons) and chlorinated solvents, among other things. The product must be prepared for recycling and the manufacturer is obliged to have an environmental plan which must be adhered to in each country where the company implements its operational policy. The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the computer shall be reasonable for the user. Labelled products must meet strict environmental demands, for example, in respect of the reduction of electric and magnetic fields, physical and visual ergonomics and good usability.

On the back page of this folder, you will find a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

TCO Development Unit

S-114 94 Stockholm
Sweden

Fax: +46 8 782 92 07

Email (Internet) : development@tco.se

Current information regarding TCO'95 approved and labelled products may also be obtained via the Internet, using the address:

<http://www.tco-info.com/>

TCO'95 is a co-operative project between **TCO** (The Swedish Confederation of Professional Employees), **Naturskyddsforeningen** (The Swedish Society for Nature Conservation) and **NUTEK** (The National Board for Industrial and Technical Development in Sweden).

Environmental Requirements

Brominated flame retardants

Brominated flame retardants are present in printed circuit boards, cables, wires, casings and housings. In turn, they delay the spread of fire. Up to thirty percent of the plastic in a computer casing can consist of flame retardant substances. These are related to group of environmental toxins, PCBs, which are suspected to give rise to similar harm, another including reproductive damage in fish eating birds and mammals, due to the bio-accumulative processes. Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur.

TCO'95 demand requires that plastic components weighing more than 25 grams must not contain organically bound chlorine and bromine.

Lead**

Lead can be found in picture tubes, display screens; solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning. *TCO'95 requirement permits the inclusion of lead since no replacement has yet been developed.*

Cadmium**

Cadmium is present in rechargeable batteries and in the colour generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses.

TCO'95 requirement states that batteries may not contain more than 25 ppm (parts per million) of cadmium. The colour-generating layers of display screens must not contain any cadmium.

Mercury**

Mercury is sometimes found in batteries, relays and switches. Mercury damages the nervous system and is toxic in high doses.

TCO'95 requirement states that batteries may not contain more than 25 ppm (parts per million) of mercury. It also demands that no mercury is present in any of the electrical or electronics components concerned with the display unit.

CFCs (freons)

CFCs (freons) are sometimes used for washing printed circuit boards and in the manufacturing of expanded foam for packaging. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on Earth of ultraviolet light with consequent increased risks of skin cancer (malignant melanoma).

The relevant TCO'95 requirement: Neither CFCs nor HCFCs may be used during the manufacturing of the product or its packaging.

* Bio-accumulative is defined as substances which accumulate within living organisms

** Lead, Cadmium and Mercury are heavy metals which are Bio-accumulative.

◦ .ENGLISH

Please check your power cord before installation if it is UL listed one.

◦ .FRANÇAIS

Veillez vérifier que votre cordon d'alimentation soit homologué UL avant l'installation.

◦ .ITALIANO

Prima di installare controllare che il cavo di alimentazione sia approvato UL.

◦ .DEUTSCH

Bitte prüfen Sie vor der Installation des Netzkabels, ob es in der UL-Liste aufgeführt ist.

◦ .ESPAÑOL

Compruebe el cable de potencia antes de la instalación si es uno de la lista UL.



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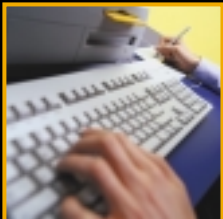
15" TFT LCD Color Monitor

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1. Introduction

This manual contains instructions for installing and operating Slimview S527.

Slimview S527 is a highly ergonomic color display unit.

- 15" viewable XGA LCD
- Supporting full scan flicker-free picture quality
- With On Screen Display menus for user control
- 100-240V AC input voltage
- VESA DPMS (Display Power Management Signalling)
- VESA DDC1/2B compatibility

2. Safety Information

This Monitor has been engineered and manufactured to assure your safety. You can prevent serious electrical shock and other hazards by keeping in mind the following:

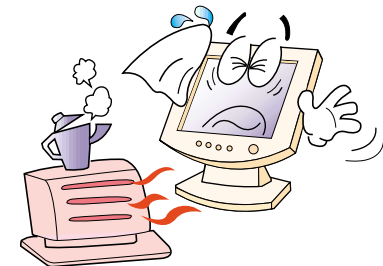


Do not place anything wet on the monitor or the power cord. Never cover the ventilation openings with any material and never touch them with metallic or inflammable materials.

Avoid operating the monitor in extreme heat, humidity or areas affected by dust.

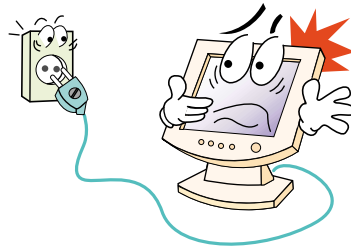
Temperature : 5~35°C

Humidity : 30~80RH



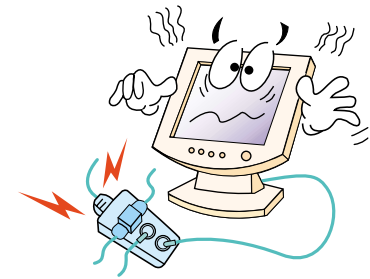
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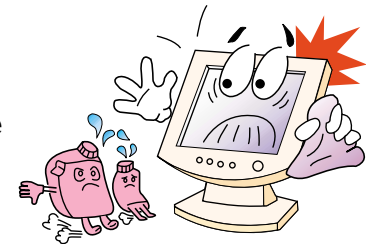
Be sure to turn the monitor off before plugging the power cord into the socket. Make sure that the power cord and the other cords are securely and rightly connected.

Overloaded AC outlets and extension cords are dangerous, as are frayed power cords and broken plugs, which may cause electric shock or fire. Call your service technician for replacement.



Do not use sharp tools such as a pin or a pencil near the monitor, as they may scratch the LCD surface.

Do not use a solvent, such as benzene, to clean the monitor, as it will damage the LCD surface.



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Cleaning and Maintenance

- To avoid risk of electric shock, do not disassemble the display unit cabinet. The unit is not user-serviceable. Remember to unplug the display unit from the power outlet before cleaning.
- Do not use alcohol (methyl, ethyl or isopropyl) or any strong dissolvent. Do not use thinner or benzene, abrasive cleaners or compressed air.
- Do not wipe the screen with a cloth or sponge that could scratch the surface.
- To clean your antistatic screen, use water and a special microfiber screen cleaning tissue used in optical lens cleaning, or lightly dampen a soft, clean cloth with water or a mild detergent.
- If the instructions above do not help in removing stains, contact an authorized service agent.

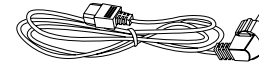
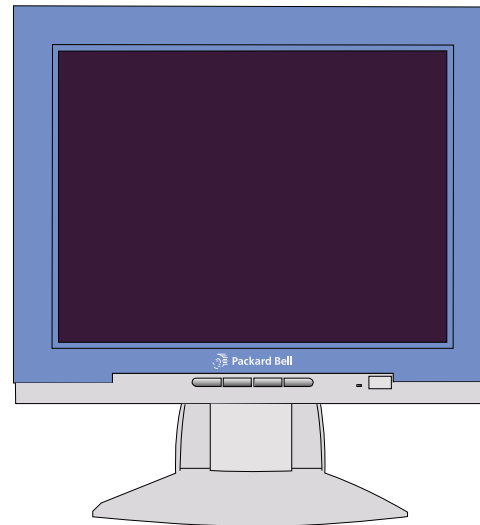
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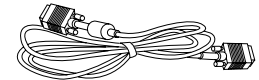
3. Installing the monitor

3-1. Packing List

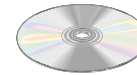
The following items should be found in the packaging.



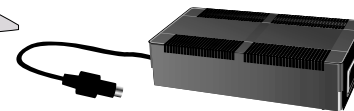
Power cord



Signal cable



Compact Disc



AC/DC Power adapter



UK



Japan



American/Canada



Europe



South Africa



Australia



Korea



Above power cord can be changed upon different voltage areas. Please contact your dealer if anything is missing or damaged.

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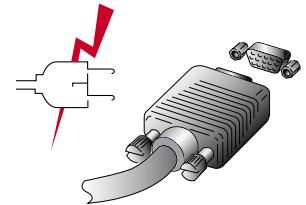
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3-2. Selecting a suitable location

- Place the monitor at least 30cm from other electrical or heat-emitting equipment and allow at least 10cm on each side for ventilation.
- Place the monitor in a position where no light shines directly onto or is reflected on the screen.
- To reduce eye strain, avoid installing the display unit against a bright background such as a window.
- Position the monitor so that the top of the screen is no higher than eye level.
- Position the monitor directly in front of you at a comfortable reading distance (around 45 to 90cm)

3-3. Connecting the monitor

- !** Before you start cabling your monitor, check that the power is off on all units. To avoid any possibility of electric shock, always connect your equipment to properly earthed outlets.

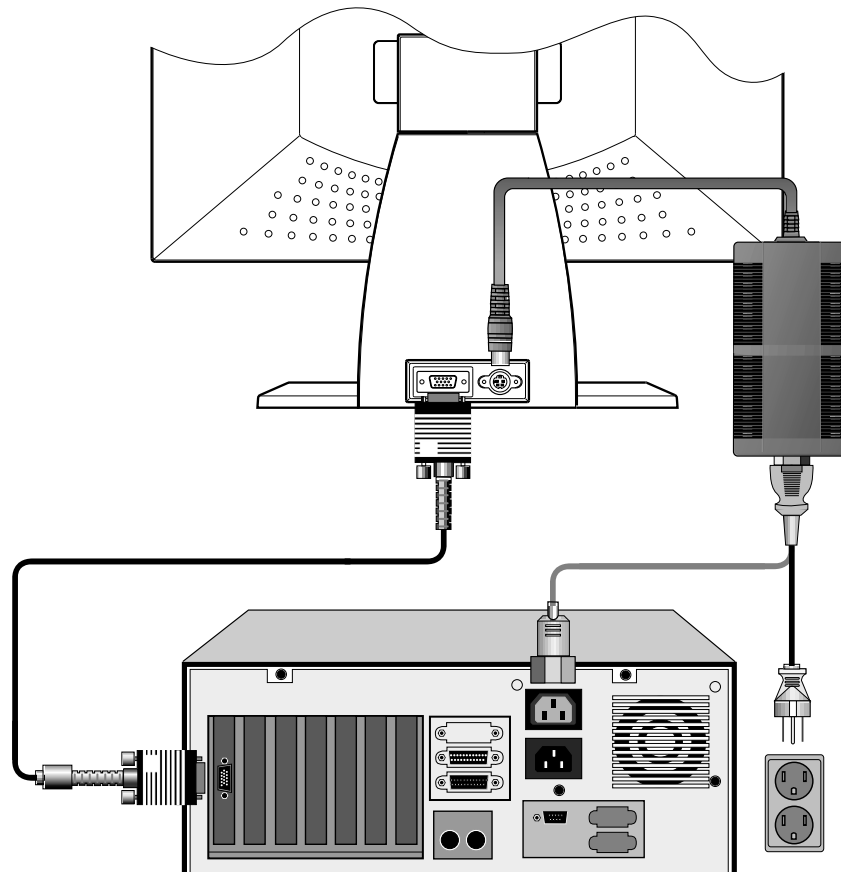


1. Insert the other 15-pin signal cable connector into the 15-pin VGA connection on your computer and screw it down.
2. Plug the power cord connection to connection on the AC-DC Power adapter.
3. Plug the jack of the AC-DC Power adapter connection to connection on monitor.
4. Plug the other end of the power cord to your computer's main supply or to a 100V-240V earthed electrical outlet.
5. Turn on the monitor using the power switch and check that the power LED is on. If not, repeat steps 1,2,3 and 4 or refer to the Troubleshooting section of this guide.

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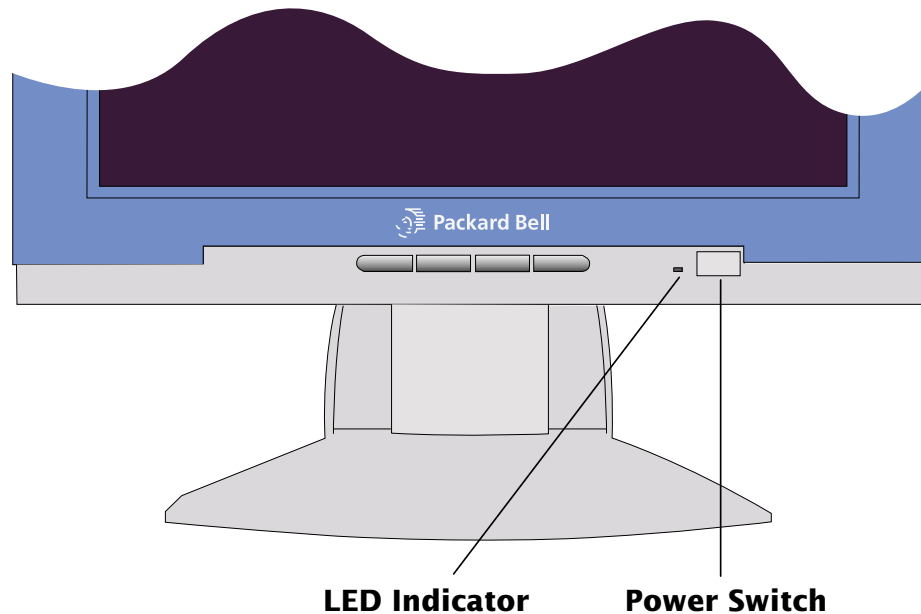
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6. Turn on the power to the computer. The picture will appear within about 10 seconds. Adjust the picture to obtain optimum picture quality. See section Adjusting the picture in this guide for more information.



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3-4. Setting the refresh rate

Follow the instructions below to set your refresh rate in Windows 98.

1. Go to the configuration window(Start-Settings-Configuration window).
2. Double click on the 'Display' icon.
3. Click on the 'Settings' tab.
4. Click on the 'Advanced' button.
5. Click on 'Adapter' and select 60Hz from the list.
6. Click on 'Apply' to accept the selected value.

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Preset Timing Table

! If the signal from the system doesn't equal to the preset timing mode, adjust the mode with reference to the user guide of videocard because the screen may not be displayed.

The recommended setting is a resolution of 1024x768 and a refresh rate of 60Hz.

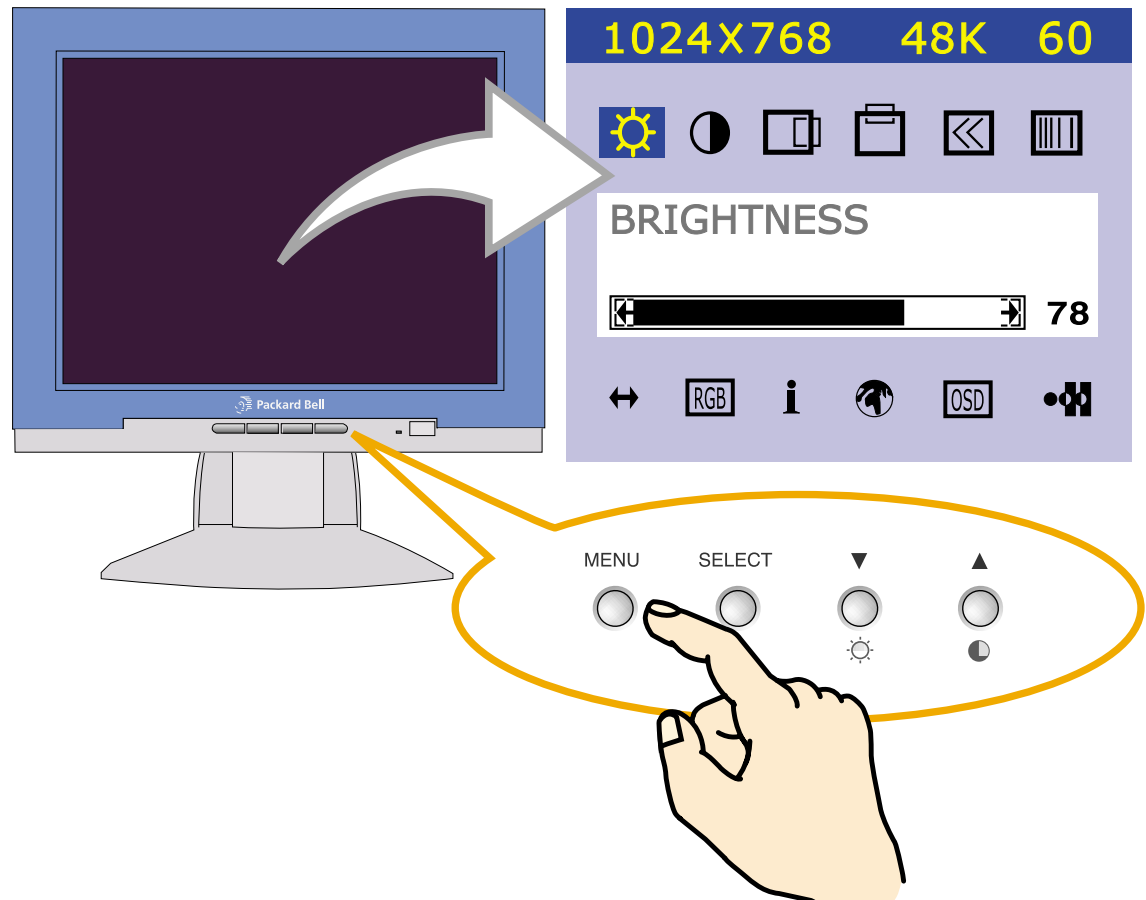
| No. | Resolution | Horizontal Frequency | Refresh rate |
|-----|------------|----------------------|--------------|
| 1 | 720 x 400 | 31.5 KHz | 70.1 Hz |
| 2 | 640 x 480 | 31.5 KHz | 59.9 Hz |
| 3 | 640 x 480 | 37.9 KHz | 72.8 Hz |
| 4 | 800 x 600 | 37.9 KHz | 60.3 Hz |
| 5 | 800 x 600 | 46.9 KHz | 75.0 Hz |
| 6 | 1024 x 768 | 48.4 KHz | 60.0 Hz |
| 7 | 1024 x 768 | 56.5 KHz | 70.1 Hz |
| 8 | 1024 x 768 | 60.0 KHz | 75.0 Hz |

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4. Adjusting the picture

You can adjust the screen display by using the buttons located below the screen.



4-1. Using the On Screen Display

1. Push the MENU button to call the OSD to the screen. The resolution and frequency are displayed at the top of the menu box for your information.
 *The resolution is displayed only when the monitor works in the preset mode.*
2. Push the ▲ or ▼ button to choose the item you want to adjust. The selected item is highlighted.
3. Push the SELECT button to adjust the highlighted item.
4. Use the ▲ or ▼ button to adjust the selection.
5. Push the SELECT button to return to the previous menu if you are in a submenu.
6. The display unit automatically saves the new settings in 1 second after your last adjustments and the menu disappears. You can also push the MENU button to make the menu disappear.

4-2. Direct access buttons

SELECT **AUTO ADJUST**
Push the button SELECT (AUTO) to adjust the shape of screen automatically.



BRIGHTNESS
Use the button ▼ to select the brightness adjustment.
Adjust with ▲ or ▼ button.



CONTRAST
Use the button ▲ to select the contrast adjustment.
Adjust with ▲ or ▼ button.

4-3. OSD Adjustments

You can play the movie file to see how to adjust the picture image by clicking each icon or title hereunder.

The OSD adjustments available to you are listed below.



BRIGHTNESS

Adjusts the brightness of the screen.



CONTRAST

Adjusts the contrast of the screen.



H-POSITION

Adjusts the horizontal position of the entire screen image.



V-POSITION

Adjusts the vertical position of the entire screen image.



CLOCK (WIDTH)

Adjusts the horizontal size of the entire screen image.



CLOCK-PHASE

Adjusts the noise of the screen image.



AUTO ADJUST

Adjust the shape of screen automatically.



COLOR CONTROL

Color temperature affects the tint of the image. With lower color temperatures the image turns reddish and with higher temperatures bluish.

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There are three color settings available: Mode 1(a cool white), Mode 2(a warm white) or USER. With the USER setting you can set individual values for red, green and blue.



INFORMATION

Information shows the horizontal and vertical frequency of your display unit. The Information menu lists modes which are preset at the factory and modes which have been defined by user. It also shows you the mode your display unit is currently operating in. you can set the display mode (frequency and refresh rate) in Windows.



LANGUAGE

You can select the language in which adjustment menus are displayed. The following languages are available: English, French, German, Italian, Spanish, Swedish, Finnish, Danish, Portuguese and Japanese or Korean.



OSD ADJUST

You can adjust the OSD menu's horizontal or vertical position on the screen. You can also adjust display time of the OSD menu from 5 to 50 seconds.



TEST PATTERN

Displays internal test pattern.



The Clock Phase may not be optimized when the input timing is not comply with VESA standard timing. In order to get the optimized result of Auto Adjust Function, it is recommended to display bright color image on the entire screen before proceeding Auto Adjust Function.

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5. Display power management

Reducing power consumption

If the power management function of your computer is enabled, your monitor turns on and off automatically. You can control power management features from your computer.

Your computer may have power management features which enable the computer or monitor to enter a power saving mode when the system is idle. You can reactivate the system by pressing any key or moving the mouse.

| Mode | LED | Power consumption |
|-----------|---------------------------------|-------------------|
| Normal | Green | 40 W |
| Suspend | Green/Orange blinking (0.5sec.) | ≤ 10 W |
| off | Orange | ≤ 5 W |
| Unplugged | Not illuminated | 0 W |

! The power button does not disconnect the monitor from the mains. The only way to isolate the monitor completely from the mains supply is to unplug the mains cable.

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6. Troubleshooting

If your monitor is not functioning properly, you may be able to solve the problem by reading followings.

| Problem | Possible solution |
|---|--|
| Blank screen | <p>If the power LED is not lit, push the Soft power switch or check the AC cord to turn the monitor on. If the display unit is powered through the computer, check that the computer is switched on.</p> <p>The display unit might be in standby mode. Push one of the keyboard keys. Check that the keyboard is properly connected to the computer.</p> <p>Check that the signal cable connector is properly connected and that the connection pins are not bent or damaged. If the connector is loose, tighten the connector's screws.</p> <p>Check that the power cable is correctly connected to the display unit and to the power outlet.</p> |
| Error message: <i>Video mode not supported</i> | <p>Check the resolution and the frequency on the video port of your computer.</p> <p>Compare these values with the data in the Preset Timing Table.</p> |
| The display does not enter power management mode | <p>The video signal from the computer does not comply with VESA DPMS standard. Either the computer or the graphics adapter is not using the VESA DPMS power management function.</p> |

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| Problem | Possible solution |
|---|---|
| Color defects | Check that the signal cable connector is properly connected and that the connection pins are not bent or damaged. Try another color temperature. |
| Size, position, shape or quality unsatisfactory | Adjust the picture characteristics as described in the section <i>Adjusting the picture</i> . |
| Duplicated images | A problem with your graphics adapter or display unit. Contact your service representative. |
| Image is not stable | Check that the display resolution and frequency from your PC or graphic adapter is an available mode for your monitor. In your PC, you can check through Control panel, Display, Settings. If the setting is not correct, use your computer utility program to change the display settings. |

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Contacting service

If the above troubleshooting hints do not help you find a solution to the problem, contact an authorized service agent. If the monitor is sent for service, use the original package if possible.

Unplug the display unit from the power outlet and contact a service agent when:

- The monitor does not operate normally according to the operating instructions.
- The monitor exhibits a distinct change in performance.
- The monitor has been dropped or the cabinet has been damaged.
- The monitor has been exposed to rain, or water or liquid has been spilled onto the monitor.

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7. Specifications

| | |
|---------------------------------------|---|
| LCD | 15"viewable, Diagonal Dot pitch 0.297 mm, AM-TFT |
| Brightness | 180cd/m ² (Min.), 200cd/m ² (Typ.) |
| Response Time | 40msec |
| Display area | 304 X 228 mm |
| Number of color | 16,7 million colors (with dithering) |
| Input signals | R.G.B Analog, 15 pin D-sub |
| Frequency rate | Horizontal : 31.0 to 68.7KHz Vertical : 44 to 75Hz |
| Maximum bandwidth | 94.5 MHz |
| Maximum resolution | 1024X768@75Hz |
| Input voltage | DC 12V/5V $\overline{\text{---}}$ 2.0A |
| Power consumption | 40W |
| Power management | VESA DPMS |
| Plug & Play | VESA DDC 1/2B |
| OSD menu | BRIGHTNESS, CONTRAST, H. POSITION, V. POSITION, CLOCK, CLOCK-PHASE, AUTO ADJUST, COLOR CONTROL, INFORMATION, LANGUAGE, OSD ADJUST, TEST |
| Ergonomics, Safety and EMC | TCO'95 FCC Class B, CE, cULus, TÜV-GS, NEMKO, DEMKO, FIMKO, SEMKO |
| Operating Temperature | 5 ~ 35°C |
| Weight | 4.8Kg unpacked, 6.7Kg packed |
| Dimensions (W X H X D mm) | 442 X 482 X 256 mm |

- *Specification is subject to change without notice for performance improvement.*