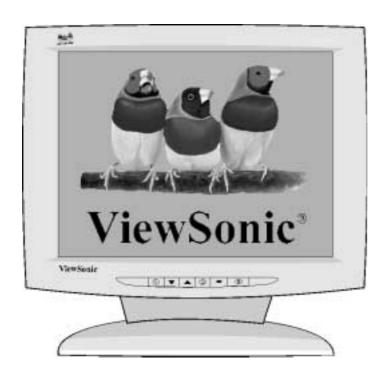
# **ViewSonic®**

# *VG171 VG171b*



With Plug & Play

Full 17.0" Diagonal Viewable Screen

# ViewPanel®

**User Guide** 

Guide de l'utilisateur

Benutzerhandbuch

Guía del usuario

Guida dell'utente

Guia do usuário

Användarhandbok

Käyttöopas

Руководство пользователя

Podręcznik użytkownika

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#### **Product Registration**

To meet your future needs, and to receiskKpr c-eiibeOzbb):xOGxbbcOG::biOG:)bcOG:xb O"bprOG:xboduOGOC

# **Getting Started**

Congratulations on your purchase of a VG171/VG171b color ViewPanel®. Important! Save the original box and all packing material for future shipping needs.

**NOTE:** The word "Windows" refers to Microsoft Windows '95, NT, 98, 2000 and ME (Millennium).

### **Package Contents**

**IMPORTANT:** Save all packing material.

- VG171/VG171b ViewPanel
- Quick Start Guide
- U.S. power cord
- Schuko power cord
- Standard VGA video cable
- DVI video cable (to be used with computers with DVI video cards)
- AC/DC Adapter
- ViewSonic Wizard CD-ROM (including user guide PDF file and INF/ICM display optimization files)

### **Precautions**

- Sit at least 18" from your ViewPanel.
- **Avoid touching the screen.** Skin oils are difficult to remove.
- Never remove the rear cover. Your ViewPanel contains high-voltage parts. You may be seriously injured if you touch them.
- Avoid exposing your ViewPanel to direct sunlight or another heat source. Orient your ViewPanel away from direct sunlight to reduce glare.
- Always handle your ViewPanel with care when moving it.

- Place your ViewPanel in a well ventilated area. Do not place anything on your ViewPanel that prevents heat dissipation.
- Ensure the area around the ViewPanel is clean and free of moisture.
- Do not place heavy objects on the ViewPanel, video cable, or power cord.
- If smoke, abnormal noise, or strange odor is present, immediately switch the ViewPanel off and call your dealer or ViewSonic. It is dangerous to continue using the ViewPanel.

### **Quick Installation**

#### 1 Connect video cable

Make sure both the ViewPanel® and computer are turned OFF.

- Remove the lower back cover and lift up the upper back cover.
- Connect the video cable to the computer then to the ViewPanel. Both analog and digital ports are available on the back of the ViewPanel for your convenience.

Macintosh users: Models older than G3 require a Macintosh adapter. Attach the adapter to the computer and plug the video cable into the adapter.

To order a ViewSonic® Macintosh adapter, contact ViewSonic *Customer Support*.

# 2 Connect power cord and AC/DC adapter

Connect the power cord and AC/DC adapter from the ViewPanel to a properly grounded AC outlet.

#### 3 Turn ON ViewPanel and computer

• Turn ON the ViewPanel, then turn ON the computer. This sequence (ViewPanel before computer) is very important.

**NOTE:** Windows 95, 98 or 2000 users may receive a message asking them to install the INF file. This is on the CD.

# 4 Insert the ViewSonic Wizard CD into the computer's CD drive

(1) Insert the ViewSonic Wizard CD-ROM into your computer's CD-ROM drive.

If your computer does not have a CD-ROM drive, contact Customer Support.

(2) Wait for the CD-ROM to auto-start.

**NOTE:** If the CD-ROM does not auto-start: double-click on the CD-ROM icon in the Windows Explorer, then double-click on **viewsonic.exe.** 

(3) Follow the on-screen instructions.

# 5 <u>Windows users</u>: Set the timing mode (resolution and refresh rate)

Example: 1280 X 1024 @ 60 Hz.

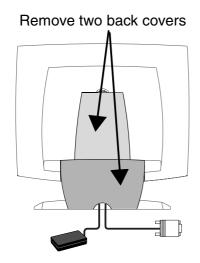
For instructions on changing the resolution and refresh rate, see the graphic card's user guide.

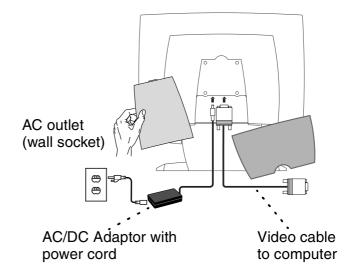
## Installation is complete. Enjoy your new ViewSonic ViewPanel.

To be best prepared for any future customer service needs: print this user guide and write the serial number in "For Your Records" on page 2. (See back of ViewPanel.)

You can register your product online at the website for your region. See the Customer Support table in this guide.

The ViewSonic Wizard CD-ROM also provides an opportunity for you to print the registration form which you may mail or fax to ViewSonic.





# Using the ViewPanel

# **Setting the Timing Mode**

Setting the timing mode is important for maximizing the quality of the screen image and minimizing eye strain. The **timing mode** consists of the **resolution** (example 1280 x 1024) and **refresh rate** (or vertical frequency — example 60 Hz). After setting the timing mode, use the OnView® controls to adjust the screen image.

The recommended timing mode for this ViewPanel is: VESA® 1280 x 1024 @ 60 Hz

To set the Timing Mode:

- 1 <u>Set the resolution</u>: Right-click on the Windows® desktop > **Properties** > **Settings** > set the resolution.
- 2 <u>Set the refresh rate</u>: See your graphic card's user guide for instructions.

### **OSD and Power Button Lock Modes**

**OSD Lock** This mode locks all current control settings and prevents access to the control menus until this mode is unlocked.

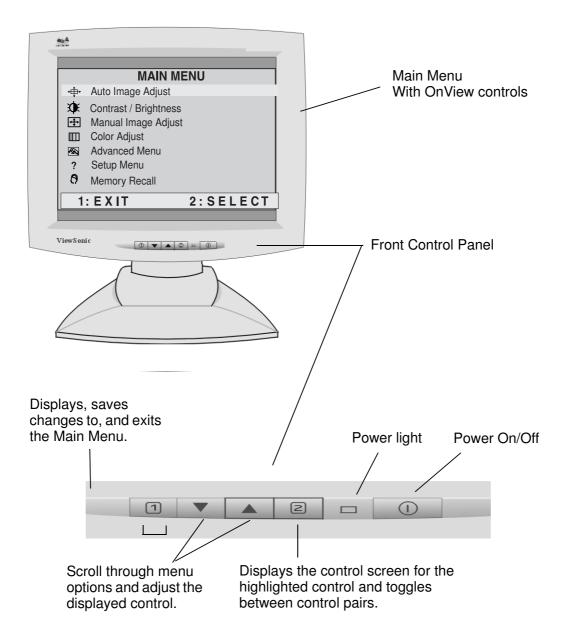
- To lock all OSD menus, press and hold both the [1] button and the ▲ (up-arrow) button for 10 seconds. While in this mode, when any button is pushed, *OSD Locked* displays for a few seconds.
- To unlock the OSD menus, press and hold both the [1] button and the ▲ (uparrow) button for 10 seconds.

**Power Button Lock** This mode locks the power of the ViewPanel in the ON position.

- To lock the power of the ViewPanel ON, press and hold both the [1] button and the ▼ (down-arrow) button for 10 seconds. While in this mode, when the power button is pushed, *Power Button Locked* displays for a few seconds.
- NOTE: After a power failure, whether or not the Power Button Lock mode was active, your ViewPanel's power automatically turns on when power is restored.
- To unlock this mode, press and hold both the [1] button and the ▼ (down arrow) again for 10 seconds.

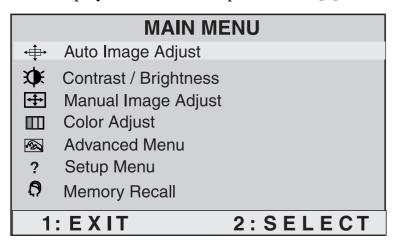
## **Adjusting the Screen Image**

Use the buttons on the front control panel to display and adjust the OnView® controls which display on the screen. The OnView controls are explained at the top of the next page and are defined in "Main Menu Controls on page 10.



#### Do the following to adjust the screen image:

1 To display the Main Menu, press button [1].



- 2 To select a control you want to adjust, press ▲ or ▼ to scroll up or down the Main Menu.
- **3** After the control is selected, press button [2].
- **4** To adjust the control, press the up **△** or down **▼** buttons.
- **5** To save the adjustments and exit the menu, press button [1] *twice*.

#### The following tips may help you optimize your display:

- Adjust your computer's graphic card so that it outputs a video signal 1280 x 1024 @ 60Hz to the ViewPanel display. (Look for instructions on "changing the refresh rate" in your graphic card's user guide.)
- If necessary, make small adjustments using H POSITION and V POSITION until the screen image is <u>completely visible</u>. (The black border around the edge of the screen should barely touch the illuminated "active area" of the ViewPanel® display.)

### **Main Menu Controls**

Adjust the menu items shown below by using the up ▲ and down ▼ buttons.

#### **Control** Explanation



**Auto Image Adjust** automatically sizes, centers, and fine tunes the video signal to eliminate waviness and distortion.

Press the [2] button to obtain a sharper image.

**NOTE**: Auto Image Adjust works with most common video cards. If this function does not work on your ViewPanel® display, then lower the video refresh rate to 60 Hz and set the resolution to its pre-set value.



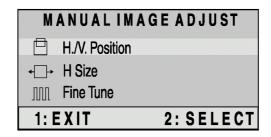
**Contrast** adjusts the difference between the image background (black level) and the foreground (white level).



**Brightness** adjusts background black level of the screen image.



Manual Image Adjust displays the Manual Image Adjust menu.]



Manual Image Adjust controls are explained below

<b>H./V. Position</b> adjusts horizontal and vertical position of the screen image. You can toggle between Horizontal and Vertical by pressing button [2]. Horizontal moves the screen image to the left or to the right. Vertical moves the screen image up and down
 H O: (H:

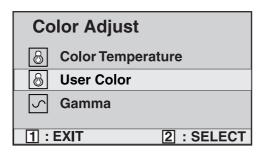
H. Size (Horizontal Size) adjusts the width of the screen image. (NOTE: Vertical size is automatic with your ViewPanel®.display)

Fine Tune fine tunes the video distortion.

#### **Control** Explanation



Color Adjust displays the Color Adjust Menu explained below.



Color Adjust provides three color adjustment modes (color temperature, user color, gamma).

Color temperature – improves colors including skin tones.

9300K – for a colder, more blue image.

6500K – for a warmer, more red image.

5400K — Adds green to the screen image for a darker color.

5000K — Adds blue and green to the screen image for a darker color.

User Color – Individual adjustments for red, green, and blue.

To adjust selected color, press  $\triangle$  or  $\nabla$ .

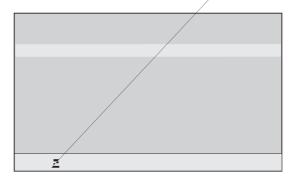
Gamma is used to calibrate individual color adjustmens for your particular graphics card.

**NOTE**: This adjustment is for advanced users.

When you are finished making all color adjustments, press button [1] twice.]



Advanced Menu displays the Advanced Menu explained below.



The Advanced menu controls are explained below.

#### **Control** Explanation



**Scaling** adjusts the video input signal to the screen size using the following options.

**1:1** adjusts the video signal so that the height and width of the picture are the same.

Fill all adjusts the video signal to fill the screen.

**Fill Aspect Ratio** maintains the correct video signal proportions for different resolutions.



**Sharpness** adjusts the clarity and focus of the screen image.



**Backlight** extends the range of the brightness adjustment.

**Information** displays the timing mode (video signal input) coming from the graphics card in your computer. See your graphic card's user guide for instructions on changing the resolution and refresh rate (vertical frequency).

NOTE: VESA 1280 x 1024 @ 60Hz (recommended) means that the resolution is 1280 x 1024 and the refresh rate is 60 Hertz.

**Setup Menu** displays the Setup Menu explained below.

The Setup menu controls are explained below.

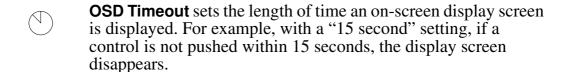
**Input Select** allows you to toggle between two or more input signals.

**Language Select** allows you to choose the language used in the menus and control screens.

**Resolution Notice** allows you to enable you to display or hide the Information menu (see above). The Information menu advises the optimal resolution to use.

**OSD Position** allows you to move the on-screen display menus and control screens.

#### **Control** Explanation



**OSD Message On/Off** Allows you to enable or disable the message. That appear when the input source or timing is change.

**OSD Background** turns the OSD background clear so that open applications can be seen while making OSD adjustments.

Memory Recall returns adjustments to the original factory settings if the display is operating in a factory Preset Timing Mode listed in this user guide.

Exception: This control does not affect changes made with the User Color control.

# **Other Information**

# **Specifications**

LCD	Type  Color Filter	17" (full 17" viewable diagonal area), TFT (Thin Film Transistor), Active Matrix SXGA LCD, 0.264mm pixel pitch RGB vertical stripe	
	Glass surface	Anti-Glare '	
Input signal	Video Sync	RGB analog (0.7/1.0 Vp-p, 75 ohms) DVI-D (TMDS, 100 ohms) Composite Sync, Separate Sync, Sync on Green f <sub>h</sub> :30-82 kHz, f <sub>v</sub> :50-75 Hz	
Compatibility	PC Macintosh <sup>1</sup>	Up to 1280 x 1024 Non-interlaced (NI) Up to 1280 x 1024 Non-interlaced (NI)	
Resolution	Recommended and supported	1280 x 1024 @ 60, 75 Hz 1024 x 768 NI @ 72, 75 Hz 800 x 600 @ 56, 60, 72 Hz 640 x 480 @ 60, 66 Hz 640 x 400 @ 70 Hz 1024 x 768 NI @ 60, 70 Hz 832 x 624 @ 75 Hz 720 x 400 @ 70 Hz 640 x 480 @ 72, 75 Hz 640 x 350 @ 70 Hz	
Power	Voltage 100-240 VAC, 50/60 Hz (auto switch)		
Display area	Full Scan	337.9mm (H) x 270.3 mm (V) 13.3" (H) x 10.64" (V)	
Operating conditions	Temperature Humidity Altitude	32° F to + 104° F (0° C to + 40° C) 10% to 90% (no condensation) To 10,000 feet (3,000m)	
Storage conditions			
<b>Dimensions</b> Physical (ViewPanel® only) 410 mm (W) x 410		410 mm (W) x 410 mm (H) x 167 mm (D) 16.1" (W) x 16.1" (H) x 6.6" (D)	
Weight	Net	6.5 kg (14.3 lbs) ViewPanel only	
Regulations		UL, FCC-B, c-UL, CB, CE, TCO '99 (VG171), TCO '95 (VG171b), TUV/GS, NEMKO, SEMKO, DEMKO, FIMKO, PSB, PCBC, EPA, E2000, BSMI, VCCI, TUV/Ergo, GOST-R + Hygienic, NOM, C-Tick	
Power saving modes	On Active Off	Normal (green LED) <3W (orange LED)	
Preset Timing Mode		Pre-adjusted to VESA <sup>®</sup> 1280 x 1024 @ 60 Hz <b>Warning:</b> Do not set the graphics card in your computer to exceed 75 Hz; doing so may result in permanent damage to the ViewPanel.	

<sup>&</sup>lt;sup>1</sup> Macintosh computers older than G3 require a ViewSonic<sup>®</sup>, Macintosh adapter. To order an adapter, contact ViewSonic.

# **Troubleshooting**

#### No power

- Make sure power button (or switch) is ON.
- Make sure A/C power cord is securely connected to the DC power supply and the power supply is firmly connected to the ViewPanel®.
- Plug another electrical device (like a radio) into the power outlet to verify that the outlet is supplying proper voltage.

#### Power on but no screen image

- Make sure the video cable supplied with the ViewPanel is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the ViewPanel, tightly secure it to the ViewPanel.
- Adjust brightness and contrast.
- If you are using an Macintosh older than G3, you need a Macintosh adapter.

#### Wrong or abnormal colors

- If any colors (red, green, or blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the ViewPanel to another computer.
- If you have an older graphics card, contact ViewSonic® for a non-DDC adapter.

#### Control buttons do not work

• Press only one button at a time.

# **Customer Support**

For technical support or product service, see the table below or contact your reseller.

**NOTE:** You will need the product serial number.

Country/ Region	Web site	T = Telephone F = FAX	Email
United States	viewsonic.com/ support	<b>T</b> : (800) 688-6688 <b>F</b> : (909) 468-1202	service.us@ viewsonic.com
Canada	viewsonic.com/ support	<b>T</b> : (800) 688-6688 <b>F</b> : (909) 468-1202	service.ca@ viewsonic.com
United Kingdom	viewsoniceurope.com	<b>T</b> : 0800 833 648 <b>F</b> : (01293) 643910	service.eu@ viewsoniceurope.com
Europe, Middle East, Baltic countries, and North Africa	viewsoniceurope.com	Contact your reseller	service.eu@ viewsoniceurope.com
Australia and New Zealand	viewsonic.com.au	T: +61 2 9929 3955 F: +61 2 9929 8393	service.au@ viewsonic.com
Singapore/India and Southeast Asia	viewsonic.com.sg	<b>T</b> : 65 273 4018 <b>F</b> : 65 273 1566	service.sg@ viewsonic.com
Other Asia/Pacific countries and Indian Peninsula	viewsonic.com.tw	T: 886 2 2246 3456 F: 886 2 8242 3668	service.ap@ viewsonic.com
South Africa	viewsonic.com/asia	T: 886 2 2246 3456 F: 886 2 8242 3668	service.ap@ viewsonic.com

# Cleaning the ViewPanel

- MAKE SURE THE VIEWPANEL® IS TURNED OFF.
- NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE.

#### To clean the screen:

- 1 Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
- **2** If still not clean, apply a small amount of <u>non-ammonia</u>, <u>non-alcohol</u> based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

#### To clean the case:

- 1 Use a soft, dry cloth.
- **2** If still not clean, apply a small amount of a non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

#### **Disclaimer**

ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the ViewPanel screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the ViewPanel. ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

# Limited Warranty VIEWSONIC LCD VIEWPANEL®

#### What the warranty covers:

**ViewSonic**® warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, **ViewSonic** will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

#### How long the warranty is effective:

**ViewSonic** LCD ViewPanels are warranted for three (3) years for all parts including the light source and three (3) years for all labor from the date of the first consumer purchase.

#### Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

#### What the warranty does not cover:

- Any product on which the serial number has been defaced, modified or removed.
- 2. Damage, deterioration or malfunction resulting from:
  - a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - b. Repair or attempted repair by anyone not authorized by ViewSonic.
  - c. Any damage of the product due to shipment.
  - d. Removal or installation of the product.
  - e. Causes external to the product, such as electrical power fluctuations or failure.
  - f. Use of supplies or parts not meeting ViewSonic's specifications.
  - g. Normal wear and tear.
  - h. Any other cause which does not relate to a product defect.
- 3. Removal, installation, and set-up service charges.

#### How to get service:

- For information about receiving service under warranty, contact ViewSonic Customer Support. You will need to provide your product's serial number.
- 2. To obtain service under warranty, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
- Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
- For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

#### Limitation of implied warranties:

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

#### **Exclusion of damages:**

VIEWSONIC'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. VIEWSONIC SHALL NOT BE LIABLE FOR:

- DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELA-TIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES
- 2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
- 3. ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

#### Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

#### Sales outside the U.S.A. and Canada:

For warranty information and service on **ViewSonic** products sold outside of the U.S.A. and Canada, contact **ViewSonic** or your local **ViewSonic** dealer.

ViewSonic LCD Warranty (V2.0) Release Date: 10-15-1999

# **Appendix Safety Guidelines**

Warning: This device must be operated with the original power supply, part number: LSE9901B1250, UP06031120A, 0217B1248,

CAUTION: The socket-outlet shall be installed near the equipment and shall be easily accessible.

**CAUTION:** Use a power cable that is properly grounded. Always use the appropriate AC cord that is certified for the individual country. Some examples are listed below:

USA .....UL Switzerland......SEV Canada .....CSA Britain.....BASE/BS

Germany ......VDE Japan..... Electric Appliance Control Act

#### IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The power cord set for this unit has been enclosed and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set, or if the cord set is not enclosed.

The female receptacle of the cord set must meet IEC-60320 requirements and may look like (Figure A1 below):





#### For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure A2), UL Listed, and CSA Labeled. For units which are mounted on a desk or table, type SVT or SJT cord sets may be used. For units which sit on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for your unit. Please consult the table below for the selection criteria for power cords used in the United States and Canada.

Cord Type	Size of Conductors in Cord	Maximum Current Rating of Unit
SJT	18 AWG 16 AWG 14 AWG	10 Amps 12 Amps 12 Amps
SVT	18 AWG 17 AWG	10 Amps 12 Amps

#### For European Countries

In Europe you must use a cord set which is appropriate for the receptacles in your country. The cord set is HAR-Certified, and a special mark that will appear on the outer sheath, or on the insulation of one of the inner conductors.

#### AC PLUG CORD PRECAUTIONS FOR THE UNITED KINGDOM

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET THEN THE PLUG SHOULD BE CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO AN APPROPRIATE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.

If in any doubt, please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

**IMPORTANT:** The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow: Farth Blue: Neutral Brown: Live

If the coloured wires of the mains lead of this appliance do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the Earth symbol or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

If you have any questions concerning which proper power cord to use, please consult with the dealer from whom you have purchased the product.

### Compliance Information for U.S.A.

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.

#### FCC Warning

To assure continued FCC compliance, the user must use grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC(5) cable. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

#### **Notice for Japan**

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to

# **CE Conformity for Europe only**



The device complies with the requirements of the EEC directive 89/336/EEC as amended by 92/31/EEC and 93/68/EEC Art.5 with regard to "Electromagnetic compatibility," and 73/23/EEC as amended by 93/68/EEC Art.13 with regard to "Safety."

