

**Exhibit 5**

**INSTALLATION AND OPERATING  
INSTRUCTION**

# About This Electronic User's Manual

[About This Guide](#) • [Other Documents You May Need](#) • [Notational Descriptions](#)

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## About This Guide

This electronic user's guide is intended for anyone who uses the Philips 107B Color Monitor. It describes the monitor's features, setup, operation and all other information, which is the same exact information described in our printed manual.

The sections are as follows:

- [Safety and Troubleshooting Information](#) provides tips and solutions for common problems, and other related information you may need.
- About This Electronic User's Manual gives overview of what information are included as well as notation descriptions and other documentation you can refer to.
- [Product Information](#) gives an overview of the monitor's features and as well as the technical specification of the monitor.
- [Installing Your Monitor](#) describes the initial setup process and gives an overview of how to use the monitor.
- [On Screen Display](#) provides information on adjusting the settings on your monitor.
- [Customer Care and Warranty](#) is a list of worldwide Philips consumer information centers along with the phone numbers and information on the applicable warranty of your product..
- [Glossary](#) provides more information for technical terms.
- Download Option allows you to download and keep a copy of the entire manual in your hard drive.

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## Other Documents You May Need

In addition to this *Electronic User's Guide*, you may need to refer to the following documentation:

- *Philips Color Monitor Quick Start Guide* which summarizes the steps for setting up the monitor. This is included with this product.

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## Notational Descriptions

The following subsections describe notational conventions used in this document.

### Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, cautions, and warnings, and they are used as follows:



**NOTE:** This icon indicates important information and tips that help you make better use of your computer system.



**CAUTION:** This icon indicates information that tells you how to avoid either potential damage to hardware or loss of data.



**WARNING:** This icon indicates the potential for bodily harm and tells you how to avoid the problem.



**SMART HELP:** This icon indicates helpful information when adjusting the On Screen Display of monitor.

Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

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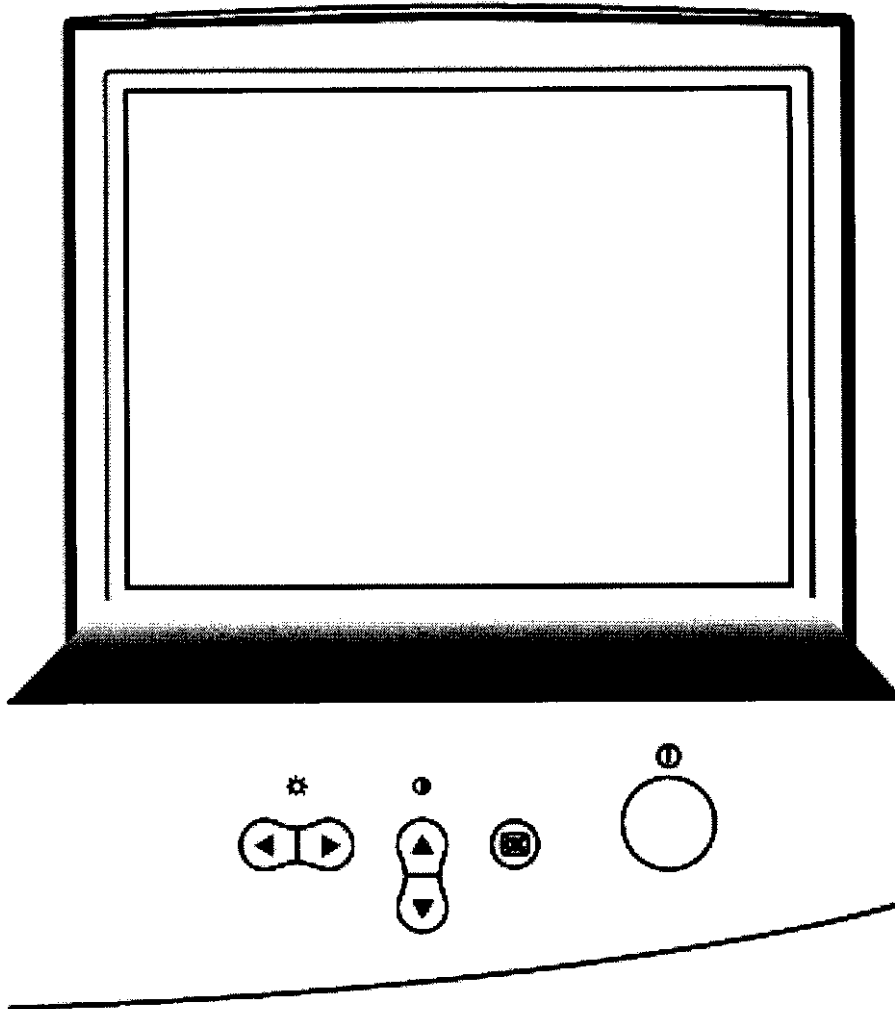
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## Installing your Monitor

Front View • Rear View • 6G3B10 Multimedia Base (option) • PCUH411 USB Hub (option)

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### Front View



Power button switches your monitor on.



OK button which when pressed will take you to the OSD controls



Contrast hotkey. When the UP arrow is pressed, the adjustment controls for the CONTRAST will show up.



UP and DOWN buttons are used when adjusting the OSD of your monitor

## Installing your Monitor

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Brightness hotkey. When both the LEFT and RIGHT arrows are pressed at the same time, then the adjustment controls for BRIGHTNESS will show up.

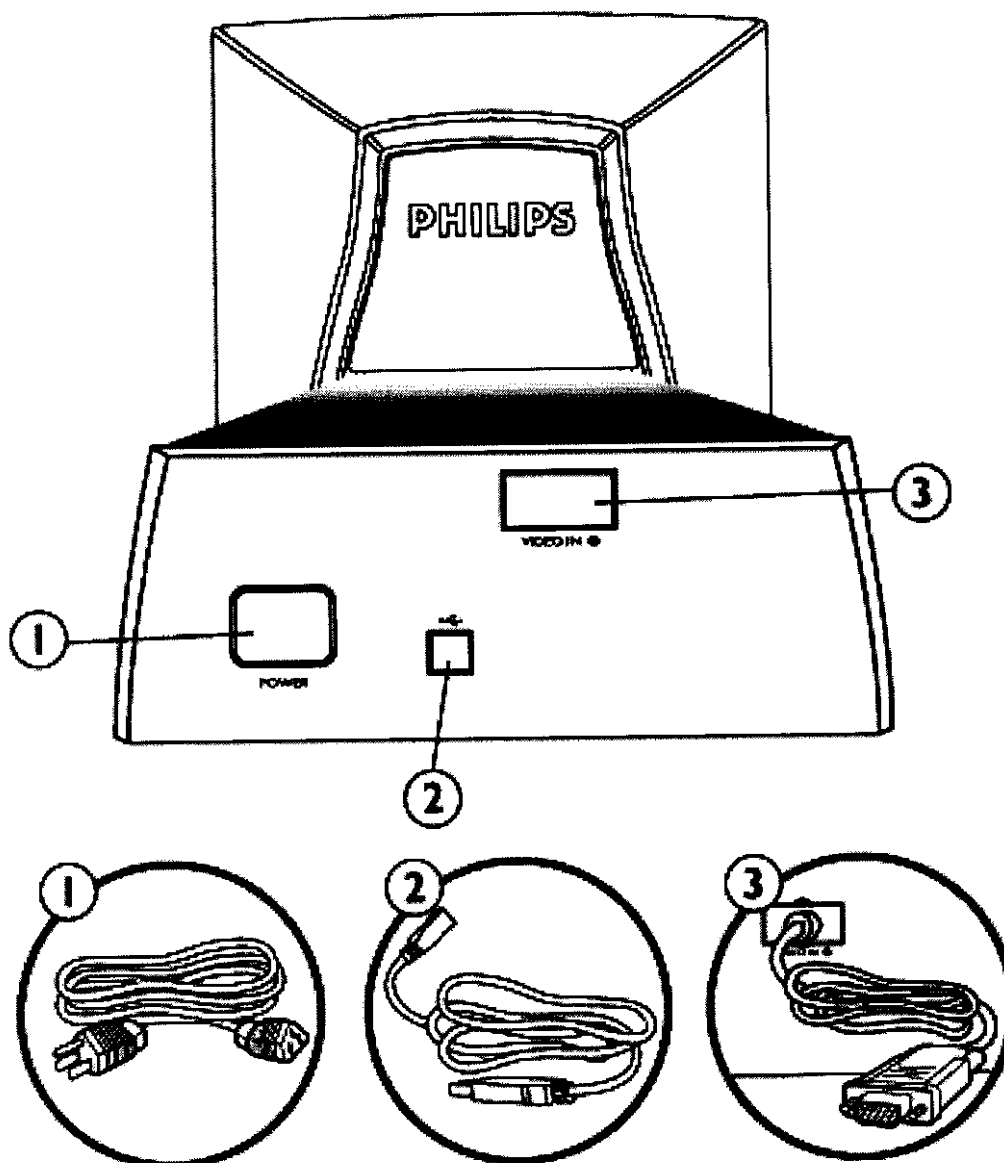


LEFT and RIGHT buttons, like the UP and DOWN buttons, are also used in adjusting the OSD of your monitor.

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### Rear View



1. Power in - attach power cable here.

2. USB Port - attach your USB Upstream cable here. *(Not available on all models.)*
3. Video In - this is a cable which is already attached to your monitor. Connect the other end of the cable to your PC.

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# On-Screen Display

[Description of the On-Screen Display](#) • [The OSD Tree](#) • [The OSD Controls](#)

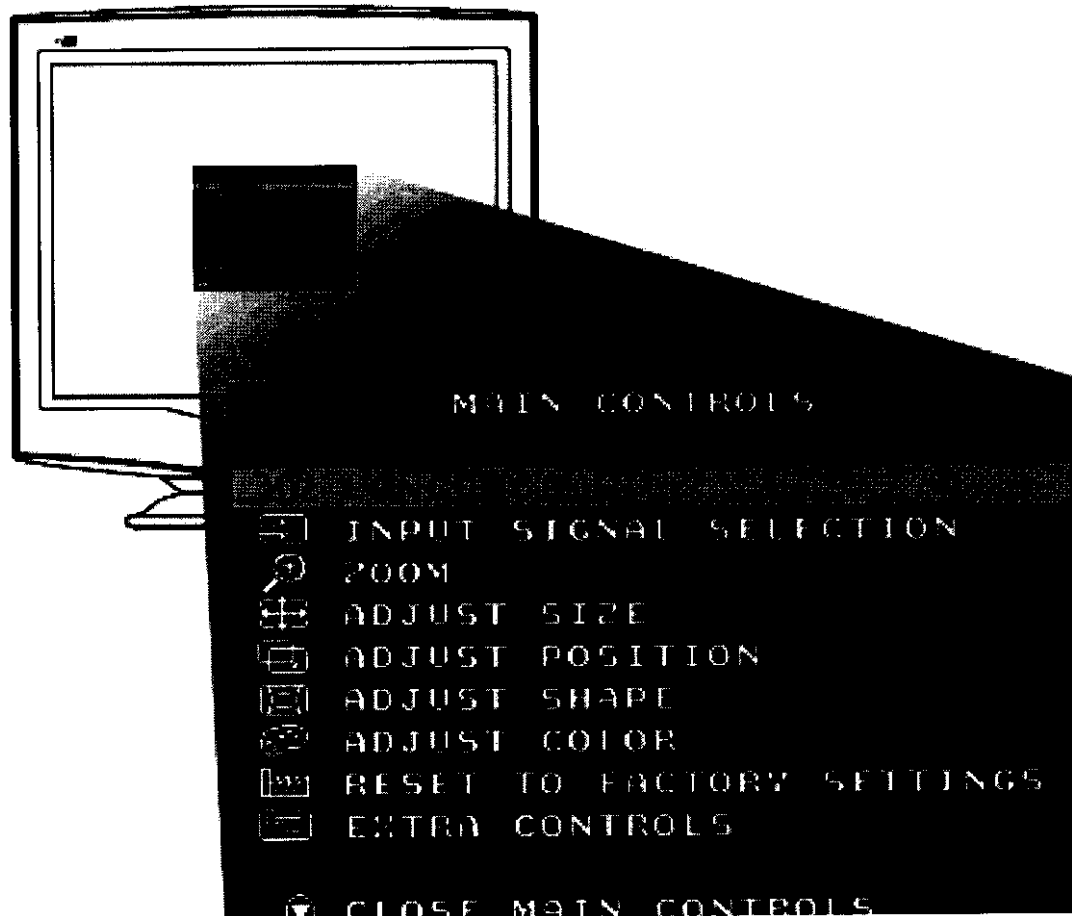
## Description of the On Screen Display

### *What is the On-Screen Display?*

This is a feature in all Philips monitors which allows an end-user to adjust screen performance of monitors directly through an on-screen instruction window. The user interface provides user-friendliness and ease-of-use when operating the monitor.

### *Basic and simple instruction on the control keys.*

On the front controls of your monitor, once you press the  button, the On Screen Display (OSD) Main Control window will pop up and you can now start making adjustments to your monitor's various features. Use the   or the  keys to make your adjustments within.

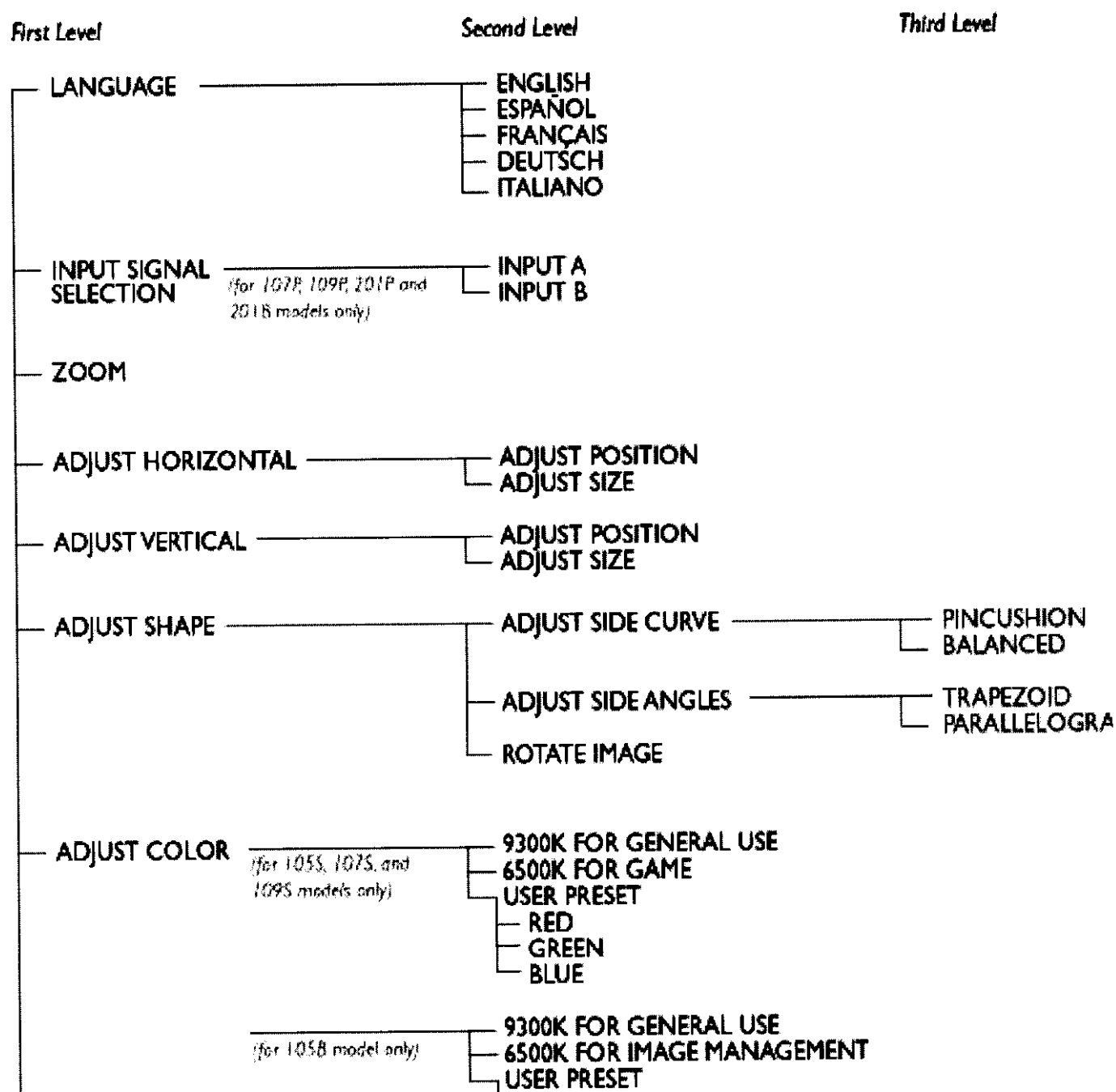


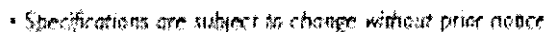


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## The OSD Tree

Below is an overall view of the structure of the On-Screen Display. You can use this as reference when you want work your way around the different adjustments.





**file:///PHILIPS/manual/english/107B/osd/osddesc.htm**

## The OSD Controls

### Description of the On-Screen Display • The OSD Tree

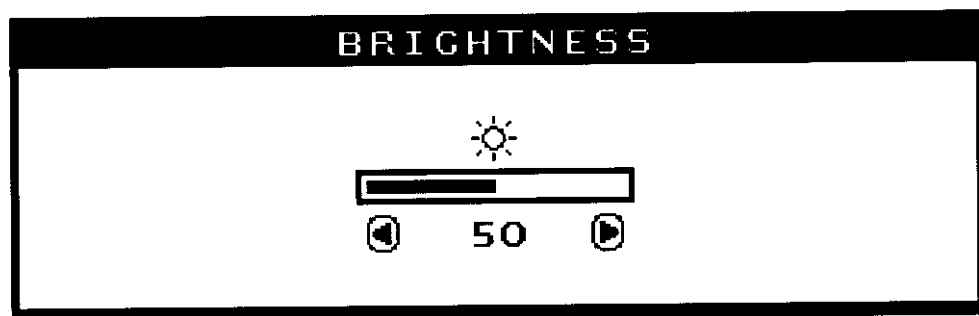
The OSD Controls : Brightness (HotKey) • Contrast (HotKey) • Language • Input Signal Selection • Adjust Horizontal • Adjust Vertical • Adjust Shape • Adjust Color • Reset to Factory Settings • Extra ( • Close Main Controls

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### BRIGHTNESS

To adjust your screen's brightness, follow the steps below. Brightness is the overall intensity of the light coming from the screen. A 50% brightness is recommended.

- 1) Press the  or  button on the monitor. The BRIGHTNESS window appears.



- 2) Press the  or  button to adjust the brightness.

- 3) When the brightness is adjusted to the level desired, stop pressing the  or  button and after three seconds the BRIGHTNESS window will disappear with the new adjustment saved.



Smart  
Help

*After the BRIGHTNESS window has disappeared, to continue to the CONTRAST window, follow the steps under CONTRAST.*

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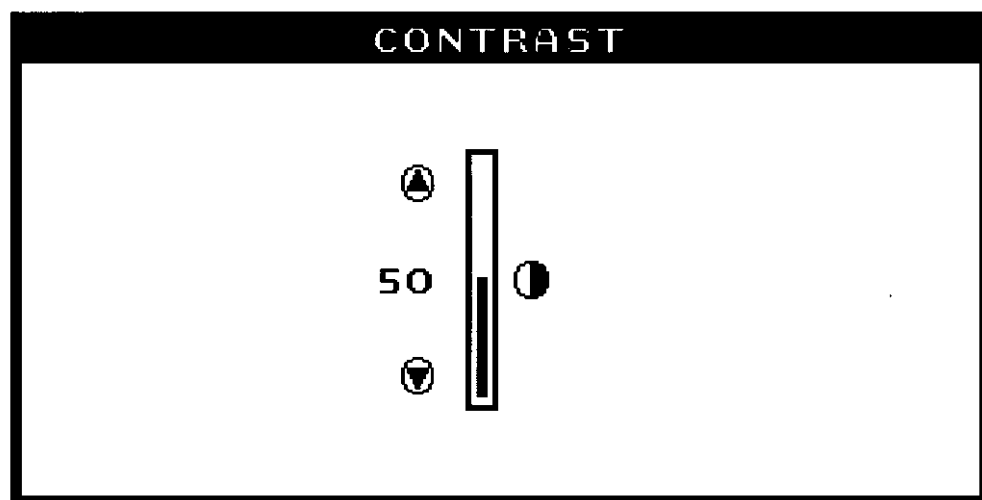
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### CONTRAST

To adjust your screen's contrast, follow the steps below. Contrast is the difference between the light and dark areas of the screen.

screen. A 100% contrast is recommended.

- 1) Press the  or  button on the monitor. The CONTRAST window appears.



- 2) Press the  or  button to adjust the contrast.

- 3) When the contrast is adjusted to the level desired, stop pressing the  or  button and after three second CONTRAST window will disappear with the new adjustment saved.



*After the CONTRAST window has disappeared, to continue to the MAIN CONTROLS, follow the steps under LANGUAGE*

Smart Help

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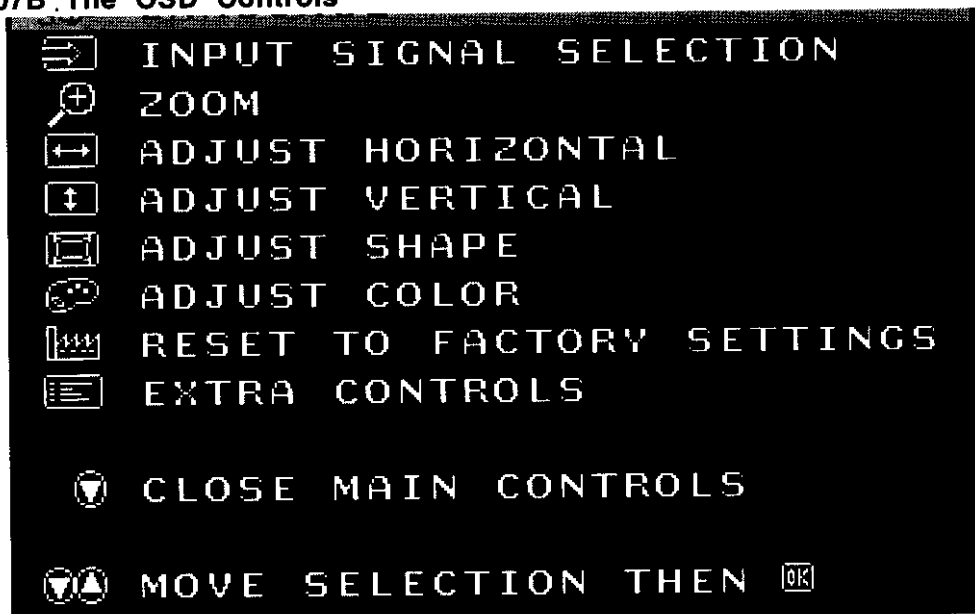
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## LANGUAGE

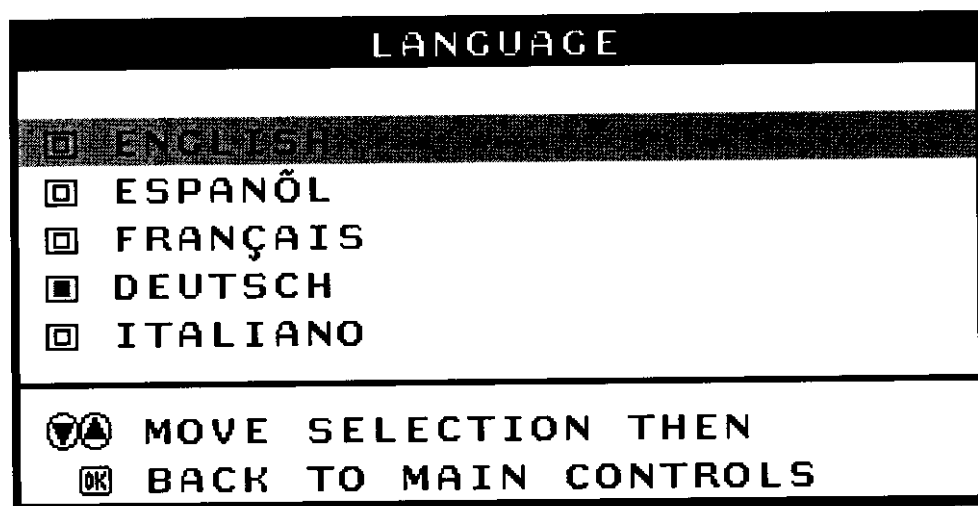
The ON SCREEN DISPLAY shows its settings in one of five languages. The default is English, but you can select Spanish, German, or Italian.

- 1) Press the  button on the monitor. The MAIN CONTROLS window appears. LANGUAGE should be highlighted.
- 2) Press the  button again. The LANGUAGE window appears.





3) Press the or button until the desired language is highlighted.



4) Press the button to confirm your selection and return to MAIN CONTROLS window. CLOSE MAIN CONTROLS will be highlighted...



Smart Help

After returning to MAIN CONTROLS...

... to continue to INPUT SIGNAL SELECTION, press the button until INPUT SIGNAL SELECTION is highlighted. Next, follow steps 3 - 5 under INPUT SIGNAL SELECTION.

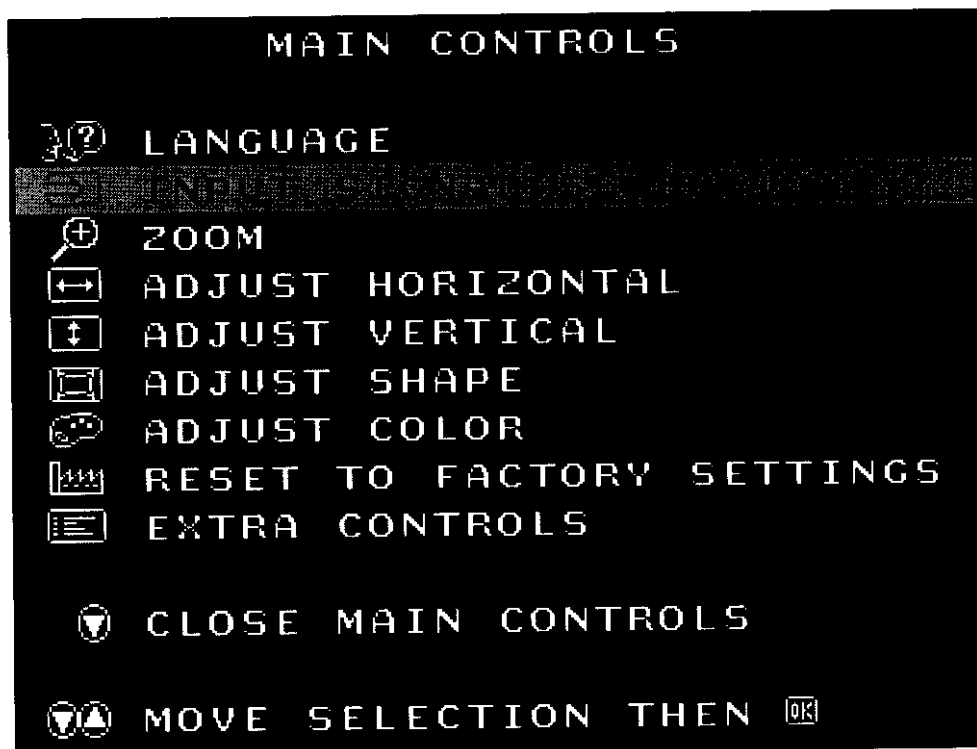
... to exit completely, press the button

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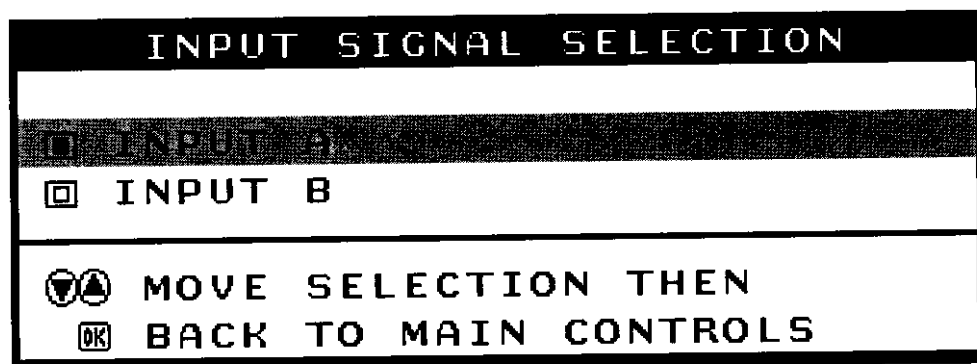
**INPUT SIGNAL SELECTION** *(Not available in all models)*

INPUT SIGNAL SELECTION determines what you see on the screen. The default setting is INPUT A, but if the video signal is different than the output signal, you may want to change it to INPUT B.

- 1) Press the  button on the monitor. The MAIN CONTROLS window appears.
- 2) Press the  button until INPUT SIGNAL SELECTION is highlighted.



- 3) Press the  button. The INPUT SIGNAL SELECTION window appears.



- 4) Press the  or  button to highlight INPUT B or INPUT A.
- 5) Press the  button to confirm your selection and return to the MAIN CONTROLS window. CLOSE MAIN CONTROLS will be highlighted.

# Product Information

[Product Features](#) • [Technical Specifications](#) • [Power Management](#) • [Automatic Power Saving](#)  
• [Physical Specification](#) • [Pin Assignment](#) • [Product Views](#)

## Product Features

### 107B10

- 17" -inch (16.0" VIS) color monitor with excellent front of screen performance for use with MACs and PCs
- Autoscan covers horizontal frequencies up to 92 kHz offering a maximum resolution of 1920 x 1440 with free display of 1024 x 768 at up to 115 Hz
- Flat square high contrast CRT with high-resolution 0.25 mm dot pitch (0.21 hdp)
- XSD-Xtra Space Design for large screen display in a small footprint: World's shortest 17-inch monitor with maximum depth of only 368 mm/14.5" that matches most of today's 14-inch monitors.
- Outstanding ease of use thanks to CustoMax® monitor control software via USB
- Multimedia Base and USB Hub option
- TCO99, E2000, NUTEK, EPA, FCC, CE and ISO9241 certified

### 107B13

- 17-inch (16.0" VIS) color monitor with excellent front of screen performance for use with MACs and PCs
- Autoscan covers horizontal frequencies up to 92 kHz offering a maximum resolution of 1920 x 1440 with free display of 1024 x 768 at up to 115 Hz
- Flat square High Contrast CRT with high-resolution 0.25 mm dot pitch (0.21 hdp)
- XSD-Xtra Space Design for large screen display in a small footprint: World's shortest 17-inch conventional monitor with maximum depth of only 408 mm/16.1"
- Outstanding ease of use thanks to CustoMax® monitor control software via USB
- Multimedia Base and USB Hub option
- TCO92, E2000, NUTEK, EPA, FCC, CE and ISO9241 certified

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## Technical Specifications\*

### CRT

- |                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| • Size and deflection      | 17 inch / 41 cm ; 100° deflection angle                                                                                           |
| • Dot pitch / Grille pitch | 0.25 mm                                                                                                                           |
| • Horizontal pitch         | 107B10 - 0.21 mm / 107B13 - 0.22 mm                                                                                               |
| • Tube type                | Shadow mask, flat square, high contrast, anti-glare, anti-static, anti reflection, light transmission 46% (107B10) / 47% (107B13) |
| • Phosphor                 | P22                                                                                                                               |
| • Recommended display area | 12.0" x 9.0" / 306 x 230 mm                                                                                                       |
| • Maximum display area     | 12.9" x 9.7" / 327 x 245 mm                                                                                                       |

92  
30 - ~~85~~ KHz  
50-160 KHz

**107B Product Information**

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| VESA's Mode | Video   | H-sync | V-sync | Power Used | Power Saving (%) | LED color |
|-------------|---------|--------|--------|------------|------------------|-----------|
| ON          | Active  | Yes    | Yes    | < 85W      | 0 %              | Green     |
| Stand-by    | Blanked | No     | Yes    | < 15W      | 86%              | Yellow    |
| Suspend     | Blanked | Yes    | No     | < 15W      | 86%              | Yellow    |
| OFF         | Blanked | No     | No     | < 5W       | 95%              | Ambient   |

This monitor is ENERGY STAR® compliant. As an ENERGY STAR® Partner, PHILIPS has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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**Physical Specifications**

- Dimensions
  - 107B10 - 15.7" x 16.1" x 14.5" / 399 x 410 x 368 mm (including base)
  - 107B13 - 15.7" x 16.1" x 16.1" / 399 x 410 x 408 mm (including base)
  - 107B10 - 15.7" x 14.7" x 14.5" / 399 x 373 x 368 mm (excluding base)
  - 107B13 - 15.7" x 14.7" x 16.1" / 399 x 373 x 408 mm (excluding base)
- Weight
  - 107B10 - 14.8 kg / 107B13 - 15.0 kg
- Power supply
  - 90 - 264 VAC, 50/60Hz
- Power consumption
  - 105 Watt\*
- Temperature (operating)
  - 0° to 40°C / 32° to 104°F
- Temperature (storage)
  - 25° to +65°C / -13° to +149°F
- Relative humidity
  - 5% to 95%

\* Resolution 1280 x 1024, standard size, contrast max., brightness 50%, 9300°, full white pattern.

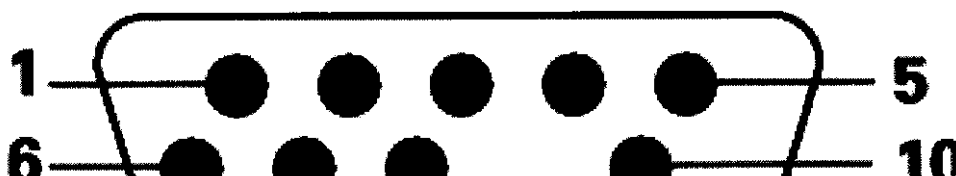
\* These information are subject to change without notice.

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**Pin Assignment**

The 15-pin D-sub connector (male) of the signal cable (IBM systems):





| Pin No. | Assignment                             | Pin No. | Assignment                             |
|---------|----------------------------------------|---------|----------------------------------------|
| 1       | Red video input                        | 9       | No pin                                 |
| 2       | Green video input                      | 10      | Logic ground                           |
| 3       | Blue video input                       | 11      | Identical output - connected to pin 10 |
| 4       | Identical output - connected to pin 10 | 12      | Serial data line (SDA)                 |
| 5       | Ground                                 | 13      | H. Sync / H+V                          |
| 6       | Red video ground                       | 14      | V. Sync (VCLK for DDC)                 |
| 7       | Green video ground                     | 15      | Data clock line (SCL)                  |
| 8       | Blue video ground                      |         |                                        |

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## Views

Follow the links to see various views of the monitor and its components.

[Front View](#)

[Rear View](#)

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### **Federal Communications Commission (FCC) Notice (U.S. Only)**



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.



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

Use only RF shielded cable that was supplied with the monitor when connecting this monitor to a computer device.



**WHEN POSITIONING THIS EQUIPMENT ENSURE THAT THE POWER PLUG AND SOCKET ARE EASILY ACCESSIBLE.**

To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or excessive moisture.

**THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.**

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### **Commission Federale de la Communication (FCC Declaration)**



Cet équipement a été testé et déclaré conforme aux limites des appareils numériques de class B, aux termes de l'article 15 Des règles de la FCC. Ces limites sont conçues de façon à fournir une protection raisonnable contre les interférences nuisibles dans le cadre d'une installation résidentielle. CET appareil produit, utilise et peut émettre des hyperfréquences qui, si l'appareil n'est pas