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 201B Color Monitor. It describes the mon features, setup, operation and all other information, which is the same exact information described in our printed

The sections are as follows:

- Safety and Troubleshooting Information provides tips and solutions for common problems, and other rela 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 monitor.
- Installing Your Monitor describes the initial setup process and gives an overview of how to use the monito
- 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 he phone numbers and information on the applicable warranty of your product..
- Glossary provides more information for technical terms.
- Download Option allows you to consumer 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 inc 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. ¯ 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

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 prol

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 spe
presentation of the warning is mandated by regulatory authority.
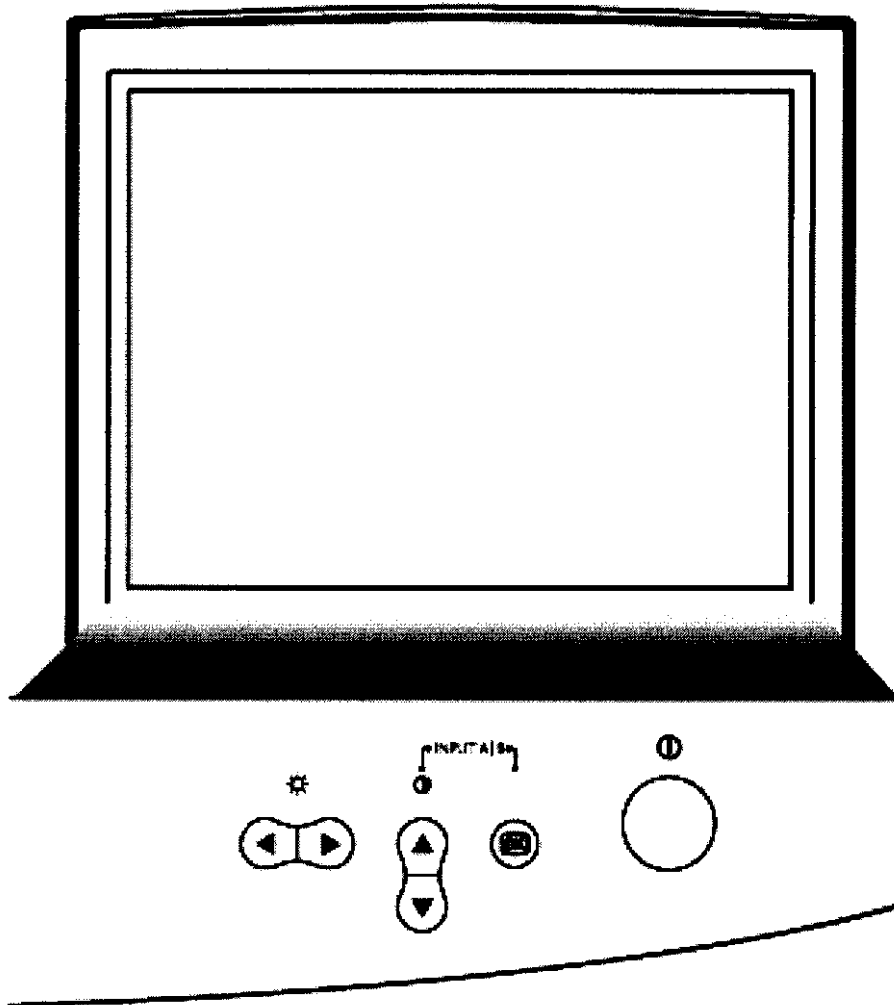
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Installing your Monitor

Front View • Rear View • PCUH411 USB Hub (option)

Front View

(power icon)	Power button switches your monitor on.
(OK icon)	OK button which when pressed will take you to the OSD controls
(contrast icon)	Contrast hotkey. When the UP arrow is pressed, the adjustment controls for the CONTRAST will show up.
(up/down icons)	UP and DOWN buttons are used when adjusting the OSD of your monitor

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

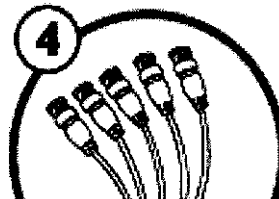LEFT and RIGHT buttons, like the UP and DOWN buttons, are also used in adjusting the OSD of your monitor.

INPUT A|B By pressing both the UP and OK buttons, you can easily access the Input Signals A and/or B.

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Rear View
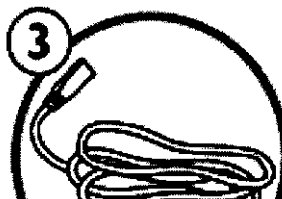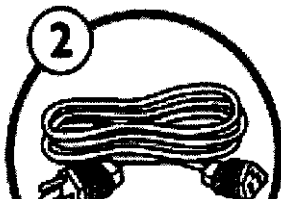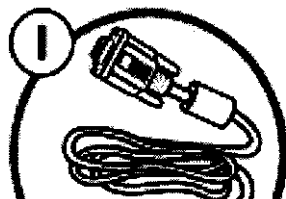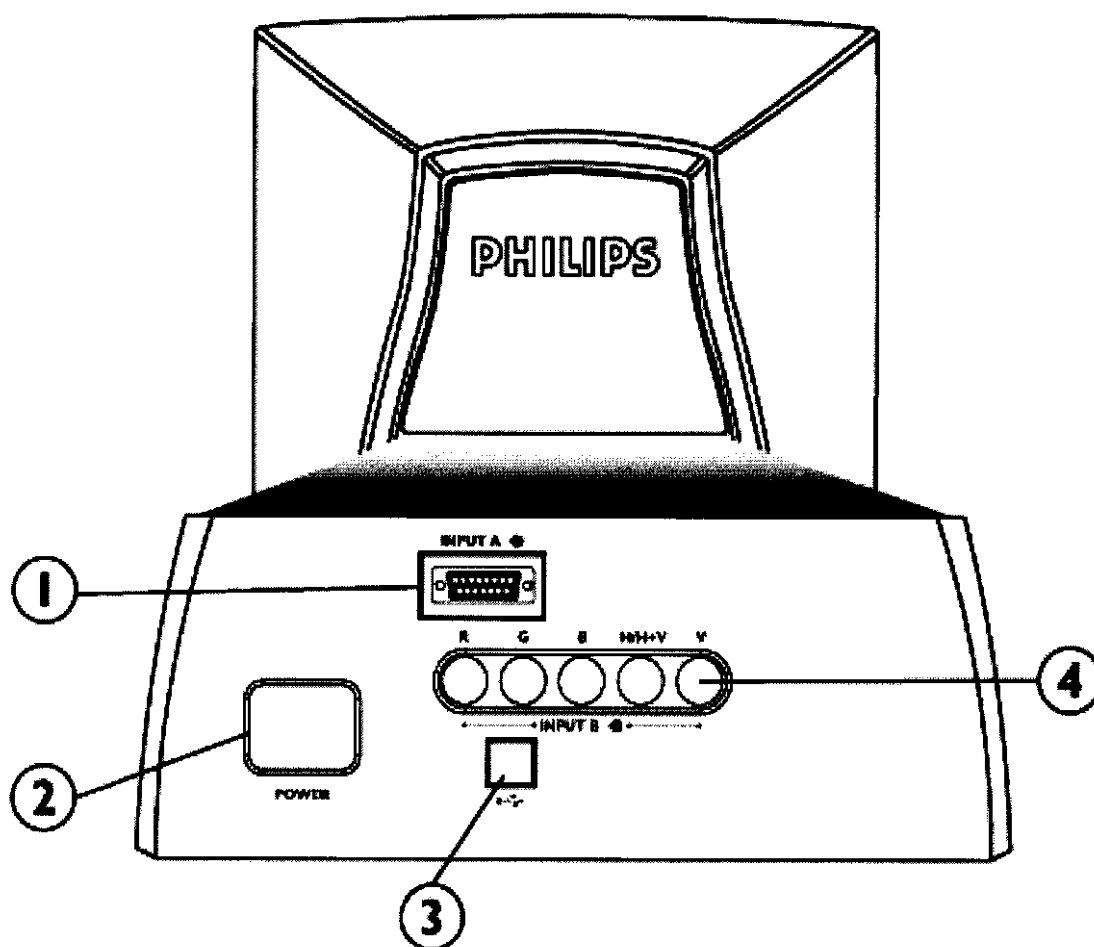
1. D-Sub Port - Attach the D-Sub connector that comes with your monitor here. Other end connects to your PC.

2. Power in - Attach power cable here.

3. USB Port - Attach your USB Upstream cable here. Connect the other end to your USB hu or your PC's USB connector. *(Not available on all models.)*

4. BNC Connectors - Attach the connectors here to get the best video performance from your monitor.

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On-Screen Display

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

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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 directl an on-screen instruction window. The user interface provides user-friendliness and ease-of-use when operating th

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

will pop up and you can now start making adjustments to your monitor's various features. Use the 🔘 🔘 or th

🔽 keys to make your adjustments within.
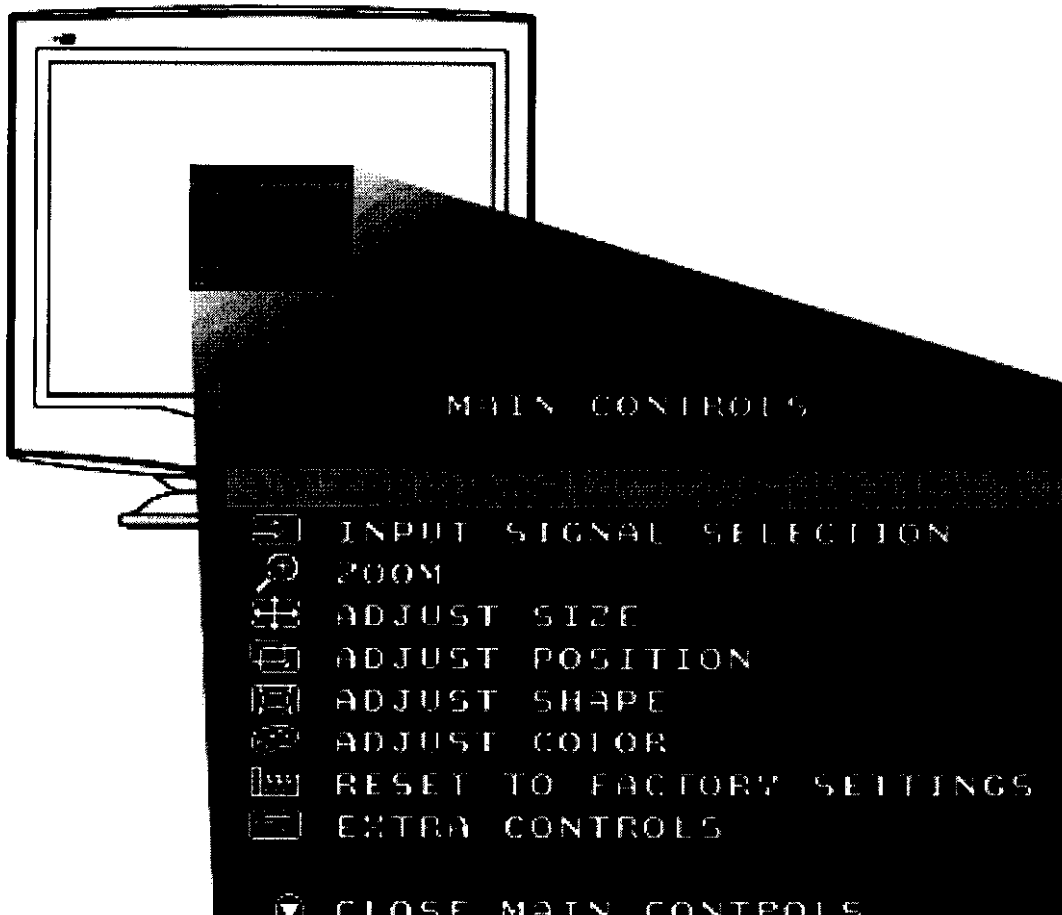
MOVE SELECTION THEN

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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.

First Level   *Second Level*   *Third Level*

LANGUAGE ———————————————— ENGLISH
                                       ESPAÑOL
                                       FRANÇAIS
                                       DEUTSCH
                                       ITALIANO

INPUT SIGNAL   *(for 107P, 109P, 201P and*   INPUT A
SELECTION   *201B models only)*   INPUT B

ZOOM

ADJUST HORIZONTAL ———————————— ADJUST POSITION
                                       ADJUST SIZE

ADJUST VERTICAL ———————————————— ADJUST POSITION
                                       ADJUST SIZE

ADJUST SHAPE ——————————————————— ADJUST SIDE CURVE ———————————— PINCUSHION
                                                                 BALANCED

                                       ADJUST SIDE ANGLES ——————— TRAPEZOID
                                                                 PARALLELOGRA

                                       ROTATE IMAGE

ADJUST COLOR   *(for 105S, 107S, and*   9300K FOR GENERAL USE
                109S models only)   6500K FOR GAME
                                          USER PRESET
                                             RED
                                             GREEN
                                             BLUE

                (for 105B model only)   9300K FOR GENERAL USE
                                          6500K FOR IMAGE MANAGEMENT
                                          USER PRESET

```
                                        ┌ RED
                                        ├ GREEN
                                        └ BLUE

                            ┌──────── 9300K FOR GENERAL USE
        (for 107B, 107P 109B            ├ 6500K FOR IMAGE MANAGEMENT
        109P, 201B, and 201P            ├ 5500K FOR PHOTO RETOUCH
        models only)                    └ USER PRESET
                                          ┌ RED
                                          ├ GREEN
                                          └ BLUE


├─ RESET TO FACTORY SETTING ─────── ┌ NO
                                    └ YES


├─ EXTRA CONTROLS ──────────────── ┌ DEGAUSS
        (for 105S, 105B, 107S,     └ ADJUST MOIRE
        107B, 107P, 109S,
        and 109B models only)


                            ┌ DEGAUSS
        (for 201B model only)├ ADJUST MOIRE
                            └ AUTO CALIBRATE


                            ┌ DEGAUSS
        (for 109P and 201P   ├ ADJUST MOIRE
        models only)         ├ AUTO CALIBRATE
                            ├ ADJUST PURITY
                            └ ADJUST CONVERGENCE


└─ CLOSE MAIN CONTROLS
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• Specifications are subject to change without prior notice

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Product Information

Product Features • Technical Specifications • Power Management • Automatic Power Saving
• Physical Specification • Pin Assignment • Product Views

Product Features

201B10:

- 21-inch (20.0" VIS) color monitor with excellent front of screen performance for use with MACs, PCs or Workstations
- Autoscan covers horizontal frequencies up to 107 kHz offering a maximum resolution of supporting 1920 with flicker free display of 1600 x 1200 at up to 86 Hz
- Flat square Super High Contrast CRT with high-resolution 0.25 mm pitch (0.21 hdp)
- Auto Calibrate extends the useful life of the monitor by automatically adjusting color and luminance to values.
- XSD-Xtra Space Design for large screen display in a small footprint: World's shortest 21-inch monitor with maximum depth of only 467 mm/18.4"
- Outstanding ease of use thanks to CustoMax® monitor control software via USB
- TCO99, E2000, NUTEK, EPA, FCC, CE and ISO9241 certified

201B12:

- 21-inch (20.0" VIS) color monitor with excellent front of screen performance for use with MACs, PCs or Workstations
- Autoscan covers horizontal frequencies up to 107 kHz offering a maximum resolution of supporting 1920 with flicker free display of 1600 x 1200 at up to 86 Hz
- Flat square Super High Contrast CRT with high-resolution 0.25 mm pitch (0.21 hdp)
- Auto Calibrate extends the useful life of the monitor by automatically adjusting color and luminance to values
- XSD-Xtra Space Design for large screen display in a small footprint: World's shortest 21-inch monitor with maximum depth of only 428 mm/16.8" that matches most of today's 17-inch monitors.
- Outstanding ease of use thanks to CustoMax® monitor control software via USB
- TCO99, E2000, NUTEK, EPA, FCC, CE and ISO9241 certified

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Technical Specifications*

CRT

• Size and deflection	21 inch / 51 cm ; 201B10 - 90° deflection angle / 201B12 - 100° deflection angle
• Dot pitch / Grille pitch	0.25 mm
• Horizontal pitch	0.21 mm
• Tube type	Shadow mask, flat square, super high contrast, anti-glare, anti-static, reflection, light transmission 43%

- Phosphor   P22
- Recommended display area   15.4" x 11.6" / 392 x 294 mm
- Maximum display area   16.0" x 12.0" / 406 x 305 mm

SCANNING

- Horizontal scanning   30 - 107 KHz
- Vertical scanning   50-160 KHz

VIDEO

- Video dot rate   261 MHz
- Input impedance
- Video   75 ohm
- Sync   2.2 kOhm
- Input signal levels   0.7 Vpp

                                                 Separate sync
- Sync input signal

                                                 Composite sync
- Sync polarities   Positive and negative

WHITE COLOR TEMPERATURE

Chromaticity CIE coordinates:
- at 9300 K degrees   x = 0.283 / y = 0.297
- at 6500 K degrees   x = 0.313 / y = 0.329
- at 5500 K degrees   x = 0.332 / y = 0.347

* These information are subject to change without notice.

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Power Management

Complies with EPA Energy Star and NUTEK specifications
- Typical operation :   201B10 - 104W / 201B12 - 112W
- Suspend / Standby Mode :   < 7W
- Off Mode :   < 2.8W

Automatic Power Saving

If you have VESA's DPMS compliance display card or software installed in your PC, the monitor can automatica
reduce its power consumption when not in use. And if an input from a keyboard, mouse or other input device is c
the monitor will automatically "wake up". The following table shows the power consumption and signaling of this
automatic power saving features:

Power Management Definition						
VESA's Mode	Video	H-sync	V-sync	Power Used	Power Saving (%)	LED c
ON	Active	Yes	Yes	< 85W	0 %	Gree
Stand-by	Blanked	No	Yes	< 15W	86%	Yello
Suspend	Blanked	Yes	No	< 15W	86%	Yello
OFF	Blanked	No	No	< 5W	95%	Amb₁

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	201B10 - 19.0" x 18.7" x 18.4" / 482 x 476 x 467 mm (including base) 201B12 - 19.0" x 18.7" x 16.8" / 482 x 476 x 428 mm (including base) 201B10 - 19.0" x 17.2" x 18.4" / 482 x 437 x 467 mm (excluding base) 201B12 - 19.0" x 17.2" x 16.8" / 482 x 437 x 428 mm (excluding base)
• Weight	201B10 - 28.0 kg / 201B12 - 27.0 kg
• Power supply	90 - 264 VAC, 50/60Hz
• Power consumption	105 Watt*
• Temperature (operating)	0° to 35°C / 32° to 95°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):
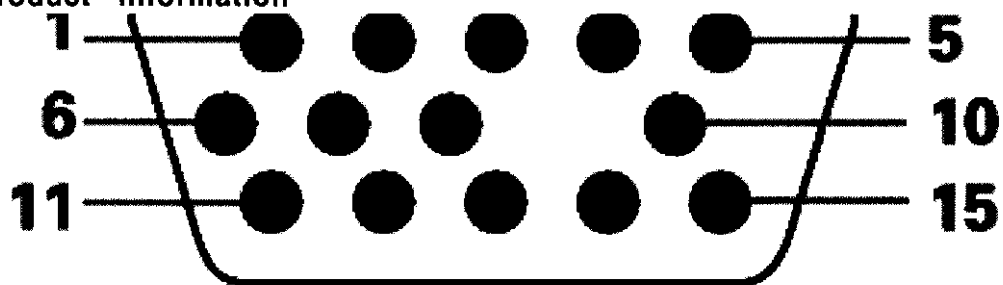
Pin No.	Assignment	Pin No.	Assignment
1	Red video input	9	No pin
2	Green video input	10	Logic ground
3	Blue video input	11	Identical output - connected to pin 10
4	Identical output - connected to pin 10	12	Serial data line (SDA)
5	Ground	13	H. Sync / H+V
6	Red video ground	14	V. Sync (VCLK for DDC)
7	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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