Installstion and Operating Instructions

Product Information

Product Features

150S5

- **Best Total Cost of Ownership solution**
  - Lower power consumption-- savings 20 percent above the industry average
  - Kensington anti-thief lock-ready for added security
- **Outstanding front of screen performance**
  - Accurate color displaying and great detail with high resolution 1024 x 768 XGA
  - Get the job done quicker with fast response time

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Technical Specifications*

LCD PANEL	
• Type	TFT LCD
• Screen size	15" visual
• Pixel Pitch	0.297 x 0.297 mm
• LCD Panel type	1024 x 768 pixels R.G.B. vertical stripe Anti-glare polarizer, hard coated
• Effective viewing area	304.1 x 228.1 mm
• Display Colors	16.7M colors
SCANNING	
Vertical refresh rate	56 Hz-76 Hz
Horizontal Frequency	31 kHz-82 kHz
VIDEO	
• Video dot rate	80 MHz
• Input impedance	
- Video	75 ohm
- Sync	2K ohm
• Input signal levels	700m Vpp
• Sync input signal	Separate sync Composite sync Sync on green
• Sync polarities	Positive and negative
• Input Frequency	XGA Hsync 48- 61 kHz, Vsync 60 - 76 Hz (N.I.) SVGA Hsync 35- 50 kHz, Vsync 56 - 75 Hz (N.I.) VGA Hsync 31- 38 kHz, Vsync 60 - 76 Hz (N.I.)
• Video interface	Analog (D-Sub)

Optical characteristics	
• Contrast ratio	400:1 (typ.)
• Brightness	250 cd/m^2 (typ.)
• Peak contrast angle	6 o'clock
• White Chromaticity	x: 0.283 y: 0.297 (at 9300°K) x: 0.313 y: 0.329 (at 6500°K) x: 0.313 y: 0.329 (at sRGB)
• Viewing Angle (C/R>10)	Upper ≥45° (typ.) Lower ≥55° (typ.) Left ≥65° (typ.) Right ≥65° (typ.)
• Response time	≤16 ms (typ.)

sRGB

sRGB is a standard for ensuring correct exchange of colors between different devices (e.g. digital cameras, monitors, printers, scanners, etc.)

Using a standard unified color space, sRGB will help represent pictures taken by an sRGB compatible device correctly on your sRGB enabled Philips monitors. In that way, the colors are calibrated and you can rely on the correctness of the colors shown on your screen.

Important with the use of sRGB is that the brightness and contrast of your monitor is fixed to a predefined setting as well as the color gamut. Therefore it is important to select the sRGB setting in the monitor's OSD.

To do so, open the OSD by pressing the OK button on the front of your monitor. Use the down button to go to Adjust Color and press OK again. Then move the down button to go to sRGB and press OK again.

Exit this OSD.

After this, please do not change the brightness or contrast setting of your monitor. If you change either of these, the monitor will exit the sRGB mode and go to a color temperature setting of 6500K.

For more information on sRGB, please visit: www.srgb.com

** This data is subject to change without notice.*

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Resolution & Preset Modes

- Maximum 1024 x 768 at 75 Hz
- Recommended 1024 x 768 at 60 Hz

14 user definable modes

14 factory preset modes:

H. freq (kHz)	Resolution	V. freq (Hz)
31.469	640*350	70.086

31.469	720*400	70.087
31.469	640*480	59.940
35.000	640*480	67.000
37.861	640*480	72.809
37.500	640*480	75.000
35.156	800*600	56.250
37.879	800*600	60.317
48.077	800*600	72.188
46.875	800*600	75.000
49.700	832*624	75.000
48.363	1024*768	60.004
56.476	1024*768	70.069
60.023	1024*768	75.029

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Automatic Power Saving

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

Power Management Definition					
VESA Mode	Video	H-sync	V-sync	Power Used	LED color
ON	Active	Yes	Yes	< 20 W	Green
OFF	Blanked	No	No	< 1 W	Amber

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

• Dimension (WxHxD) *	342 x 364 x 170 mm (incl. Pedestal)
• Weight	3.6 Kg
• Tilt	-5° ~ 25°

• Power supply	100 — 240 VAC, 50/60 Hz
• Power consumption	18 W* (typ.)
• Temperature	5° C to 40° C (operating) -20° C to 60° C (storage)
• Relative humidity	20% to 80%
• System MTBF	50K hours (CCFL 30K hours)
• Cabinet color	150S5FG: Light Gray 150S5FB: Black 150S5FS: Silver

** This data is subject to change without notice.*

** Resolution 1024x768, standard size, brightness max., contrast 50%, full white pattern, without audio/USB.*

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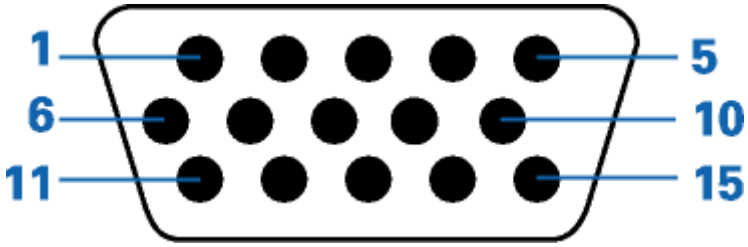
Pin Assignment

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



Pin No.	Assignment	Pin No.	Assignment
1	Red video input	9	DDC +5V
2	Green video input/SOG	10	Logic ground
3	Blue video input	11	Ground
4	Ground	12	Serial data line (SDA)
5	Cable detect	13	H. Sync / H+V
6	Red video ground	14	V. Sync
7	Green video ground	15	Data clock line (SCL)
8	Blue video ground		

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Product Views

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

Front View Product Description

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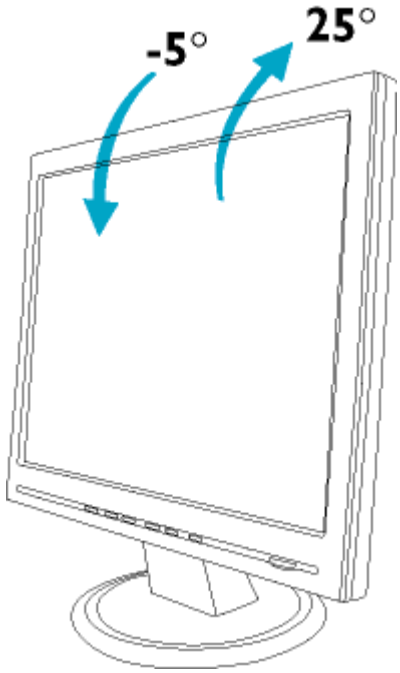
Physical Function

1) Tilt



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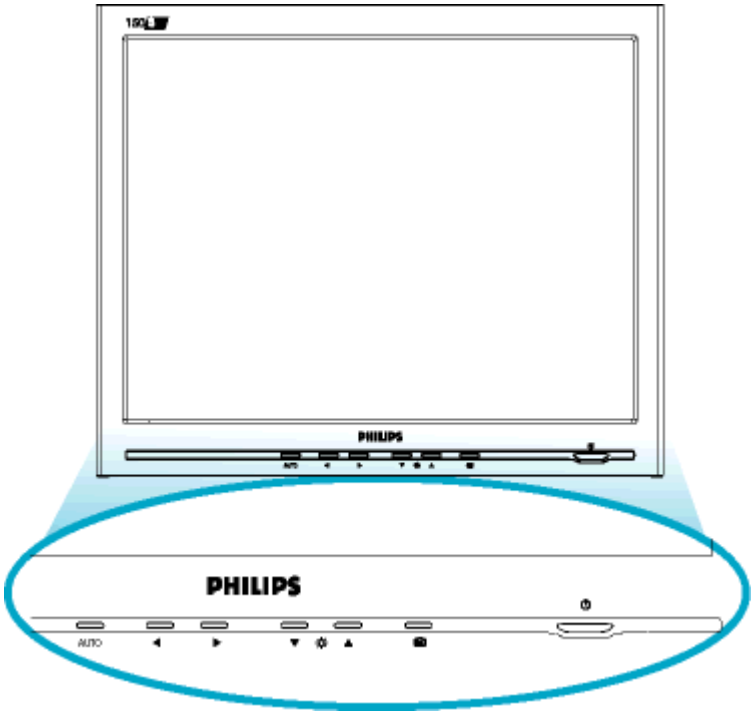
Installing Your LCD Monitor

Front View Product Description



▲▼	UP and DOWN buttons are used when adjusting the OSD of your monitor.
◀▶	LEFT and RIGHT buttons, like the UP and DOWN buttons, are also used in adjusting the OSD of your monitor.
☼	BRIGHTNESS hotkey. When the UP and DOWN arrow buttons are pressed, the adjustment controls for the BRIGHTNESS will show up.
OK	OK button which when pressed will take you to the OSD controls.
⏻	POWER button switches your monitor on.
AUTO	Automatically adjust the horizontal position, vertical position, phase and clock setting.

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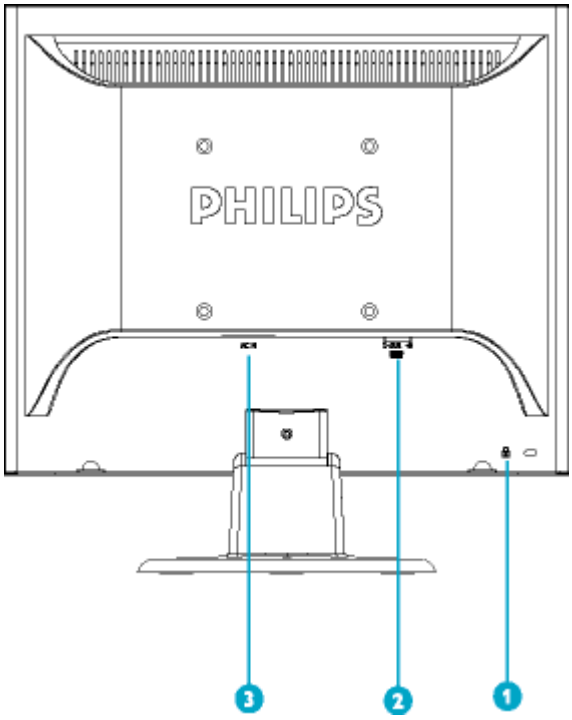
Rear View



1 Kensington anti-thief lock
2 VGA input
3 AC power input

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Optimizing Performance

- For best performance, ensure that your display settings are set at 1024x768, 60Hz.

***Note:** You can check the current display settings by pressing the 'OK' button once. Go into the Product Information. The current display mode is shown on the item called RESOLUTION.*

- You can also install the Flat Panel Adjust (FP Adjust) program, a program for getting the best performance out of your monitor. This is included on this CD. Step-by-step instructions are provided to guide you through the installtion process. Click on the link to know more about this program.

More about  FP_setup04.exe

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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.

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 auxlimites des appareils numériques de class B,aux termes de l'article 15 Des règles de la FCC. Ces limites sont conçues de façon à fourir 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 installé et utilisé selon les consignes données, peuvent causer des interférences nuisibles aux communications radio. Cependant, rien ne peut garantir l'absence d'interférences dans le cadre d'une installation particulière. Si cet appareil est la cause d'interférences nuisibles pour la réception des signaux de radio ou de télévision, ce qui peut être décelé en fermant l'équipement, puis en le remettant en fonction, l'utilisateur pourrait essayer de corriger la situation en prenant les mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmenter la distance entre l'équipement et le récepteur.
- Brancher l'équipement sur un autre circuit que celui utilisé par le récepteur.
- Demander l'aide du marchand ou d'un technicien chevronné en radio/télévision.

Toutes modifications n'ayant pas reçu l'approbation des services compétents en matière de conformité est susceptible d'interdire à l'utilisateur l'usage du présent

équipement.

N'utiliser que des câbles RF armés pour les connections avec des ordinateurs ou périphériques.

CET APPAREIL NUMERIQUE DE LA CLASSE B RESPECTE TOUTES LES EXIGENCES DU REGLEMENT SUR LE MATERIEL BROUILLEUR DU CANADA.

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