

Exhibit 3

Installation and Operating Instruction

Product Information

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Product Features**150B2B**

- 15" color LCD monitor with excellent display performance
- VGA analog input
- Advance AUTO adjustment optimizes picture quality
- User installable bezel for optional protective cover choice and touch panel design solution
- Optional USB powered hub with 4 downstream port
- Optional protective cover to prevent LCD screen damage

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Technical Specifications*

LCD PANEL	
• Type	TFT LCD
• Screen size	15" visual
• Pixel Pitch	0.297 x 0.297mm (15.0")
• LCD Panel type	1024 x 768 pixels R.G.B. vertical stripe Anti-glare polarizer hardness
• Effective viewing area	304.1 x 228.1mm (15.0")
• Display Colors	8 bits interface (16M colors)
VIDEO	
• Video dot rate	80 MHz
• Input impedance	
- Video	75 ohm
- Sync	2 kOhm

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• Input signal levels	700m Vpp
• Sync input signal	Separate sync Composite sync
• 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	300 (typ.)
• Brightness	250 nits (typ.)
• Peak contrast angle	6 o'clock
• White Chromacity	x: 0.281 y: 0.311 (at 9300° K) x: 0.312 y: 0.338 (at 6500° K)
• Viewing Angle (C/R >5)	Upper ≥60 ° (typ.) Lower ≥55° (typ.) Left ≥75 ° (typ.) Right ≥75 ° (typ.)
• Response time	<=40ms (typ.)

* These information are subject to change without notice.

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Resolution & Preset Modes

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

14 USER DEFINABLE MODES

14 factory preset modes:

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dot rate (MHz)	H. freq (KHz)	Mode	Resolution	V. freq (KHz)
25.175	31.469	IBM VGA 10h	640*350	70.086
28.322	31.469	IBM VGA 3h	720*400	70.087
25.175	31.469	IBM VGA 12h	640*480	59.940
30.200	35.000	MACINTOSH	640*480	67.000
31.500	37.861	VESA	640*480	72.809
31.500	37.500	VESA	640*480	75.000
36.000	35.156	VESA	800*600	56.250
40.000	37.879	VESA	800*600	60.317
50.000	48.077	VESA	800*600	72.188
49.500	46.875	VESA	800*600	75.000
57.300	49.700	MACINTOSH	832*624	75.000
65.000	48.363	VESA	1024*768	60.004
75.000	56.476	VESA	1024*768	70.069
78.750	60.023	VESA	1024*768	75.029

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Automatic Power Saving

If you have VESA's DPMS compliance display card or software installed in your PC, the monitor can automatically reduce its power consumption when not in use. And if an input from a keyboard, mouse or other input device is detected, 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 Mode	Video	H-sync	V-sync	Power Used	LED color
ON	Active	Yes	Yes	< 23W	Green
Stand-by	Blanked	No	Yes	< 5W	Amber
Suspend	Blanked	Yes	No	< 5W	Amber

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OFF	Blanked	No	No	< 3W	Amber
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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

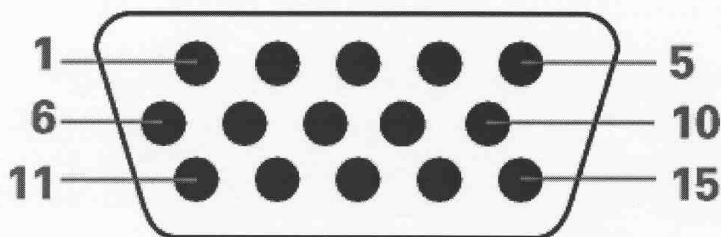
• Dimension (WxHxD)	380 x 360 x 165 mm (incl. Pedestal)
• Weight	5 Kg
• Tilt / Swivel	+/- 175°
• Forward / Backward	- 5° / 35°
• Power supply	100 — 240 VAC, 50/60 Hz
• Power consumption	23 W (typ.)
• Temperature (operating)	-20° C to +60° C
• Relative humidity	20% to 80%
• System MTBF	50K hrs (excluding LCD panel, CCFL)

* 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:



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Pin No.	Assignment		Pin No.	Assignment
1	Red video input		9	+5V power
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	Self test		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.

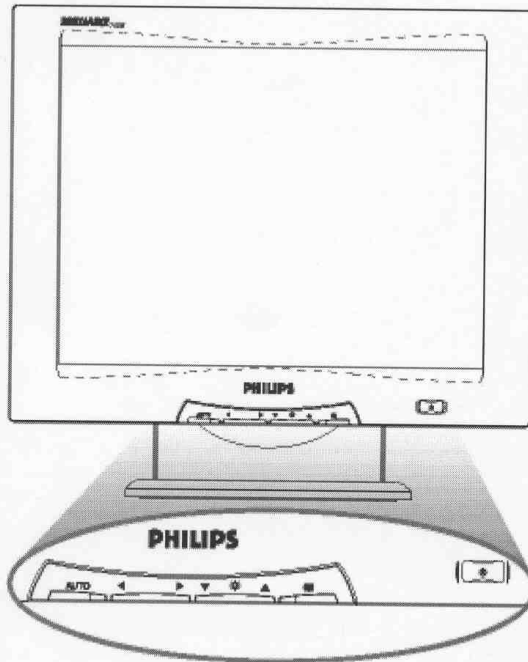
[Front View Product Description](#)

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Installing your LCD Monitor

Your LCD Monitor : [Front View Product Description](#) • [Connecting to Your PC](#) • [Getting Started](#) • [Optimizing Performance](#) • [Accessories \(optional\)](#)

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 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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Optimizing Performance

- For best performance, ensure that your display settings are set at 1024x768@60Hz (for 14"/15") or 1280x768, 60Hz (for 17"/18").



Note: You can check the current display settings by pressing the MENU "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, included in this CD. A step-by-step instructions is provided to guide you through the installation process. Click on the link to know more about this program.

More about  [FP_setup01.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)

Regulatory Information



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 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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