Product Information

Product Features • LightFrame™ for Windows • Technical Specifications • Automatic Power Saving • Physical Specification • Pin Assignment • Product Views

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Product Features

Model	Regulation	Color
107T60	TCO'03	Gray
107T61	MPRII	Gray
107T66	MPRII	Black

107T6

- 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 71 kHz offering a maximum resolution of 1280 x 1024 with flicker free display of 1024 x 768 at up to 89 Hz.
- Real Flat High Contrast CRT with high-resolution 0.25 mm dot pitch (0.21 hdp)
- LightFrame™ for brightest and sharpest display of movie and photo windows.
- Large screen display in a small footprint: 17-inch conventional monitor with maximum depth of only 424 mm/16.7"
- Multimedia Base option.
- sRGB for true on screen color representation.
- FCC, CE (in selected countries only) and ISO9241, ISO14001 certified

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LightFrame™ for Windows

Introduction
Philips LightFrame™ feature enriches the experience of pictures and video on a Philips CRT (picture tube) monitor. LightFrame™ will boost the brightness and sharpness of photos and videos on the monitor screen.

To control the LightFrame™ feature in your monitor, you have to install the LightFrame™ application which you will find on this CD-ROM.

Note
Philips LightFrame™ will only work with monitors that have been built to use this software. Earlier Philips monitors or other manufacturers' monitors will not work with this special software. It is recommended that you install this software only on a Philips monitor designed to use it. These monitors can be identified by the LightFrame™ logo on the front of the monitor.

This software is not designed for use with LCD flat screen monitors.

LightFrame™ will work with true Windows-based programs and DOS-based programs that operate in a Windows environment. It will not work with DOS-based programs operating only in a DOS environment.

Language Selection

While English is the default language of LightFrame™, the User Interface can be set up to operate in Dutch, French, German, Italian, Portuguese, Spanish, Simplified Chinese, Traditional Chinese or Korean.

Installation

1) To install LightFrame™, place the CD in the CD-ROM drive.

2) Next, when the menu of items on the CD appears on your screen, click on 'Install LightFrame™'.

3) Now, follow the on-screen prompts to properly install the program. The software checks to see if you have a compatible monitor. You must agree to the license agreement terms for the software to install.

4) After installation, LightFrame™ automatically loads and the icon appears in the taskbar.

Notes

If LightFrame™ detects that your monitor is not LightFrame™ compatible, a message appears on the monitor screen. If you see this message, you can select to abort or continue the installation. However, if you continue the installation, LightFrame™ will probably not work on the monitor.

How to use LightFrame™

After installation, LightFrame™ starts up automatically whenever the computer is started.

For information about using LightFrame™ please refer to the help information which is available after installation.

Compatibility
This version of LightFrame™ is compatible with
Windows® 95

Windows® 98
Windows® Me (Millenium Edition)
Windows® XP
Windows® 2000 Professional Edition.

LightFrame™ 3 -- Frequently Asked Questions (and answers)

LightFrame™

Q: Is LightFrame™ 2 compatible with LightFrame™ 3?

A: No. If you run LightFrame&trade**;** 1 or 2 software with a Philips LightFrame™ 3 monitor, nothing will happen.

Q:Can I use LightFrame™ 3 software on my LightFrame™ 1 / 2 monitor.

A:No for a LightFrame™ 1 or 2 monitor you need to use LightFrame™ 1 or 2 software. It is however possible to use the LightFrame™ 2 software on a LightFrame™ 1 monitor.

Q:What is the difference between LightFrame™ 1, LightFrame™ 2 and LightFrame™ 3?

A:LightFrame™ 1 was the very first generation of the LightFrame™ feature introduced by Philips. In that version the user needs to manually turn on/off the feature and select the window or area to apply it to.

LightFrame™ 2 offers the automatic detection in Internet Explorer on top of the LightFrame™ 1 functions. With this feature LightFrame™ will automatically scan a web page in Internet Explorer, find the largest picture and enhance it.
LightFrame™ 3 offers everything that LightFrame™ 2 has but now with the possibility to enhance multiple pictures at the same time. So in a web page LightFrame™ will find all the pictures and enhance them simultaneously or in a photo viewing application you can enhance multiple photos at once. Furthermore LightFrame™ 3 comes with an easy to activate full screen function. This is especially handy for games and movies. Just one click on the full screen button and LightFrame™ enhances your total monitor.

Q:Can I upgrade my current Philips monitor to LightFrame™ 3?

A:No. For LightFrame™ 3 Philips developed special hardware which is build into the monitor. Therefore upgrading from LightFrame™ 1 or 2 to 3 is not possible. It is however possible to upgrade your LightFrame™ 1 monitor to LightFrame™ 2 by installing the LightFrame™ 2 software.

Q:Can I install LightFrame™ 3 over an older version?

A:When you install LightFrame™ 3 the setup wizard will scan your system to check if you have an older version installed. If so, the setup wizard will remove that version before continuing with the installation of the new version. Please be aware that for LightFrame™ 3 you also need a monitor which is capable of running the LightFrame™ 3 feature.

Q:How can I tell which version LightFrame™ my monitor can support?

A:To check which version of LightFrame™ is supported by your monitor check the LightFrame logo which you will find on the top, right-hand corner of the monitor. If this logo has a small 3 in it, your monitor is ready for LightFrame™ 3. Otherwise you should use the LightFrame™ 1 or 2 software.

Q: How many windows can I enhance at the same time?

A:In LightFrame™ 3 it is possible to enhance up to 8 windows at the same time. It is however important to understand that when other windows, toolbars or menus overlap the enhanced windows, the maximum number of enhanced windows can be less.

Q:How many pictures can LightFrame™ enhance in Internet Explorer?

A:In Internet Explorer LightFrame™ 3 can enhance up to 16 pictures at the same time. LightFrame™ 3 filters the pictures it finds based on the minimum size of the picture therefore it may happen that some pictures are not enhanced when you open a web page.

Q:Can I enhance two or more area's at the same time?

A:Yes. With LightFrame™ 3 you have the possibility to select several windows with pictures and videos and enhance them at the same time.

Q:Some times my mouse changes to a light bulb with a plus sign and sometimes with a minus sign. What is the difference?

A:The mouse pointer in the shape of a light bulb indicates that LightFrame™ is ready to accept a selection from you for which window should be enhanced.
If there is a minus sign it means that you are moving over a window where LightFrame™ is already active and clicking this window will switch the enhancement off. A plus sign appears when moving over a window which is not enhanced and clicking that one will enable LightFrame™ on that window.

Q:What is wrong when my mouse changes into a light bulb with a red cross?

A:Nothing. It just means that your mouse moves outside the application where you already have one or more windows enhanced. You can only select windows with in the same application. The cross indicates that you move into an area where you cannot make a selection.

Q:Can I use LightFrame™ with Netscape?

A: You can use LightFrame™ with Netscape, but its functions are limited to manually highlighting the entire Netscape client window. Since LightFrame™ is specifically designed for bright, high contrast photo and video display, highlighting an entire Web page -- including text -- is not recommended.

For best results, we recommend you use LightFrame™ with Microsoft Internet Explorer version 5.0 or higher. You can downloaded Internet Explorer free of charge from the Microsoft website (www.microsoft.com). A copy of Internet Explorer 5.5 is also included on the CD-ROM shipped with your monitor.

Q:Can I activate LightFrame™ on my entire screen?

A:Yes you can. And with LightFrame™ 3 this becomes even easier. There are three ways to do

this: 1) click the full screen button in the LightFrame control bar with your mouse. 2) Press the "windows" hotkey on your keyboard and press "L". 3) Via the OSD menu, scroll to Extra controls, press "OK", then LightFrame On.

Q:When I apply LightFrame™ to a text document I get blurry characters, what is wrong?

A:Nothing is wrong. The effect which you see is due to the sharpness enhancement that LightFrame™ is doing on your monitor. This sharpness improves a photo or video significantly however on black text on a light background the effect is less favorable. Please keep in mind that LightFrame™ is developed to enhance your photos and videos and not really for text or synthetic pictures.
You can decrease this effect by lowering the sharpness setting in the LightFrame™ 3 control panel.

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Technical Specifications*

CRT

• Size and deflection	17 inch / 41 cm ; 90° deflection angle
• Dot pitch	0.25 mm
• Horizontal pitch	0.21 mm
• Tube type	Shadow mask, Real Flat, high contrast, anti-glare, anti-static, anti reflection, light transmission 50%
• Phosphor	P22
• Recommended display area	12.0" x 9.0" / 306 x 230 mm

• Maximum display area	12.8" x 9.6" / 325 x 244 mm

SCANNING

• Horizontal scanning	30 - 71 KHz
• Vertical scanning	50 - 160 Hz

VIDEO

• Video dot rate	120 MHz
• Input impedance	
- Video	75 ohm
- Sync	2.2 kOhm
• Input signal levels	0.7 Vpp
• Sync input signal	Separate sync
• Sync polarities	Positive and negative

WHITE COLOR TEMPERATURE

Chromaticity CIE coordinates:

• at 9300 degrees K	x = 0.283 / y = 0.297
• at 6500 degrees K	x = 0.313 / y = 0.329
• at sRGB	x = 0.313 / y = 0.329

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 Color temperature and press OK again. Then move the down button to go to sRGB and press OK again.

Exit this OSD.

After this, please don't 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

** These information are subject to change without notice.*

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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's Mode	Video	H-sync	V-sync	Power Used	Power Saving (%)	LED color
ON	Active	Yes	Yes	Typical 68 W	0 %	Green
OFF	Blanked	No	No	< 1W	99%	Flashing Green

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	15.6" x 15.1" x 16.7" / 397 x 383 x 424 mm (including base) 15.6" x 13.1" x 16.7" / 397 x 333 x 424 mm (excluding base)
• Weight	15.5 kg
• Power supply	90 - 132VAC / 195 - 264 VAC, 50/60Hz (Please refer to rating label)
• Temperature (operating)	0° to 40°C / 32° to 104°F
• Temperature (storage)	-25° to +65°C / -13° to +149°F
• Relative humidity(storage)	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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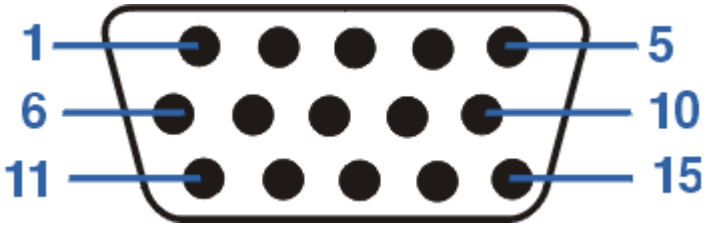
Pin Assignment

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



Pin No.	Assignment		Pin No.	Assignment
1	Red video input		9	+5V DDC supply
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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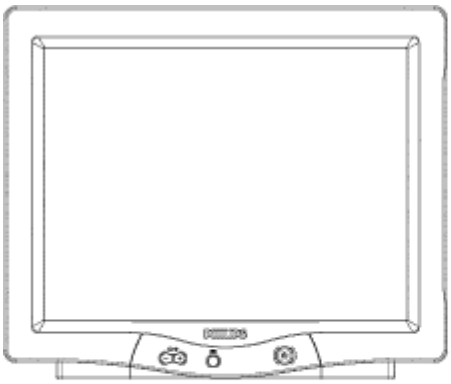
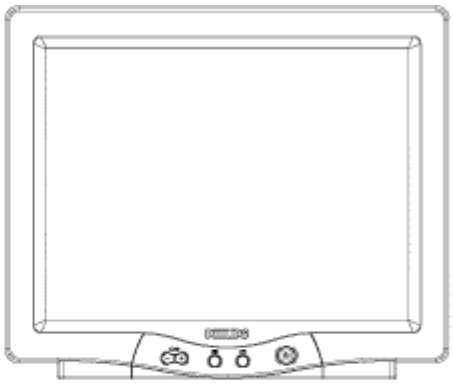
Installing your Monitor

Front View • Rear View • 6G3B11 Multimedia Base (option)

Front View



107E6/107G6/107V6



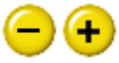
107C6/107T6

Power button switches your monitor on.

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

Contrast hotkey. When the "-" button is pressed, the adjustment controls for the CONTRAST will show up.

Brightness hotkey. When the "+" button is pressed, the adjustment controls for BRIGHTNESS will show up.



"-" and "+" buttons, are used for adjusting the OSD of your monitor.

LightFrame™ hotkey. When the button is pressed, the high-brightness function of LightFrame™ will show up.

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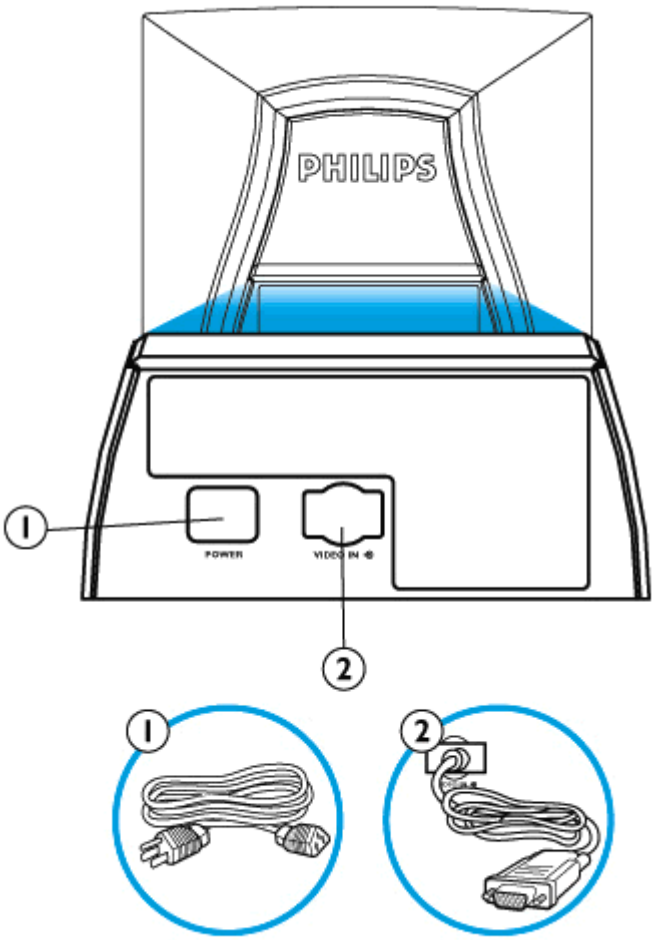
Rear View



1. Power in - attach power cable here.
2. 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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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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