



捷聯電子股份有限公司

Top Victory Electronics (Taiwan) Co., Ltd.

18F, No. 738, Chung-Cheng Ro., Chung-Ho, Taipei Hsien, Taiwan 臺北縣中和市中正路738號18樓 TEL: 886-2-82261668 FAX: 866-2-82261666

TO COMPANY _____ FROM _____

ATTENTION _____ CC _____

CC _____

SUBJECT: _____

APPLICATION FOR CERTIFICATION

on Behalf of

Top Victory Electronics (Taiwan) Co., Ltd.

Monitor

Model No. : 105S6**

FCC ID. : ARSCM554S

Application No. : ACS-F0413

May.09, 2004



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APPLICATION FOR FCC CERTIFICATION

Applicant : *Top Victory Electronics (Taiwan) Co., Ltd.*
 Equipment : *Monitor*
 Model No. : *105S6***
 FCC ID. : *ARSCM554S*
 EMC Report No. : *ACS-F04104*

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EXHIBIT 1

Label Drawing

Label Drawing

Glare tube

PHILIPS

MODEL NO./ 型號: 105S69

Power Rating/電源: 100-240V~50/60Hz 1.5A 中國製造

MADE IN CHINA FABRIQUÉ EN CHINE

Chassis No.: 5554V-1

Manufactured/製造日期: March 2004

Philips Elec. Industries Ltd.
台灣勝利電子工業股份有限公司


5, Tze Chiang 1 Road, Chungli Industrial Park P.O. Box 123, Chungli, Taoyuan, Taiwan
臺灣省桃園縣中壢工業區自強一路5號


Chassis No.: 5554V-1
Manufactured/製造日期: March 2004


X-Ray emission: Monitor complies with DHHS rules 21 CFR subchapter J applicable at date of manufacture. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.


Apparater ma kun tilkoples jordet stikkontakt.
Apparaten skall anslutas till jordat uttag när den ansluts till ett nätverk.
Laitte on liitettävä suojakosketinpistorasiin.


This class B digital apparatus complies with Canadian ICES-003
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada
As an ENERGY STAR® Partner, Philips has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.
注意: 本顯示器內有高壓, 非專業人員, 請勿自行打開後殼以免危險!























FCC ID: ARSCM554S   

40A2050-813-9A XXXXXX-XX

← 130mm →

75mm

MPR II tube

PHILIPS CONSUMER ELECTRONICS COMPANY
Knoxville Tennessee 37914 U.S.A.
A DIVISION OF PHILIPS ELECTRONICS NORTH AMERICA

Power Rating: 100-240V~50/60Hz 1.5A

MADE IN CHINA FABRIQUÉ EN CHINE

Philips Elec. Industries Ltd.


5, Tze Chiang 1 Road, Chungli Industrial Park P.O. Box 123, Chungli, Taoyuan, Taiwan


MODEL NO.: 105S61
Chassis No.: 5554V-1
Manufactured: March 2004


X-Ray emission: Monitor complies with DHHS rules 21 CFR subchapter J applicable at date of manufacture. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.


Apparater ma kun tilkoples jordet stikkontakt.
Apparaten skall anslutas till jordat uttag när den ansluts till ett nätverk.
Laitte on liitettävä suojakosketinpistorasiin.


This class B digital apparatus complies with Canadian ICES-003
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada
As an ENERGY STAR® Partner, Philips has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.























FCC ID: ARSCM554S   

40A2050-813-10A

← 130mm →

75mm

MPR II tube

PHILIPS

MODEL NO./ 型號: 105S61

Power Rating/電源: 100-240V~50/60Hz 1.5A 中國製造

MADE IN CHINA FABRIQUÉ EN CHINE

Chassis No.: S554V-1

Manufactured/製造日期: March 2004

Philips Elec. Industries Ltd.
台灣萬利浦電子工業股份有限公司

S. Tze Chiang 1 Road, Chungli Industrial Park P.O. Box 123, Chungli, Taoyuan, Taiwan
臺灣省桃園縣中壢工業區自強一路3號

X-Ray emission: Monitor complies with DHHS rules 21 CFR, subchapter J applicable as date of manufacture. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
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Apparaten skall anslutas till jordat uttag när den ansluts till ett nätverk.
Laito on liitettävä suojakosketuspistorasiin.

Geprüft nach Tested Acc. to MPR II: MPR 1990:8/1990:10

WARNING:
A) This apparatus must be earthed.
B) Live parts are made accessible when backcover is removed.
C) Always remove mains plug from wall socket before any service operations. Never remove covers unless qualified to do so. This unit contains dangerous voltages.

This class B digital apparatus complies with Canadian ICES-003
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

As an ENERGY STAR® Partner, Philips has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.
注意:本顯示器內有高壓,非專業人員,請勿自行打開後殼以免危險!

UL E136889 LISTED I.T.E. MONITOR 1K21

ENERGY STAR PARTNER APPROVED

GS

BZ02

B

CE

40A2050-813-11A

FCC ID: ARSCM554S

75mm

130mm

Glare tube

PHILIPS

MODEL NO./ 型號: 105S68

Power Rating/電源: 100-240V~50/60Hz 1.5A 中國製造

MADE IN CHINA FABRIQUÉ EN CHINE

Chassis No.: S554V-1

Manufactured/製造日期: March 2004

Philips Elec. Industries Ltd.
台灣萬利浦電子工業股份有限公司

S. Tze Chiang 1 Road, Chungli Industrial Park P.O. Box 123, Chungli, Taoyuan, Taiwan
臺灣省桃園縣中壢工業區自強一路3號

X-Ray emission: Monitor complies with DHHS rules 21 CFR, subchapter J applicable as date of manufacture. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
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UL E136889 LISTED I.T.E. MONITOR 1K21

ENERGY STAR PARTNER APPROVED

GS

RXXXXX

B

CE

40A2050-813-12A

FCC ID: ARSCM554S

75mm

130mm

Please refer Exhibit 2 Figure 2 for Label Placement Location

EXHIBIT 2

Photographs

Photographs

From Page 7 to Page 9

Photographs

Figure 1
General Appearance



Figure 2
General Appearance

Label Location



Figure 3
Main Board, Component Side



Figure 4
Main Board, Component Side



Figure 5
Main Board, Component Side



Figure 6
Main Board, Component Side



EXHIBIT 3

EUT and Simulators Configuration

Block Diagram and Schematic Diagram

EUT CONFIGURATION

Description of EUT

Applicant : Top Victory Electronics (Taiwan) Co., Ltd.
18F, No. 738, Chung Cheng Road Chung Ho, Taipei,
Hsien, Taiwan 235

Manufacturer : Top Victory Electronics (Fujian) Co., Ltd.
Yuanhong Road Shangzheng, Honglu, Fuqing City,
Fujian, China

Product Name : Monitor

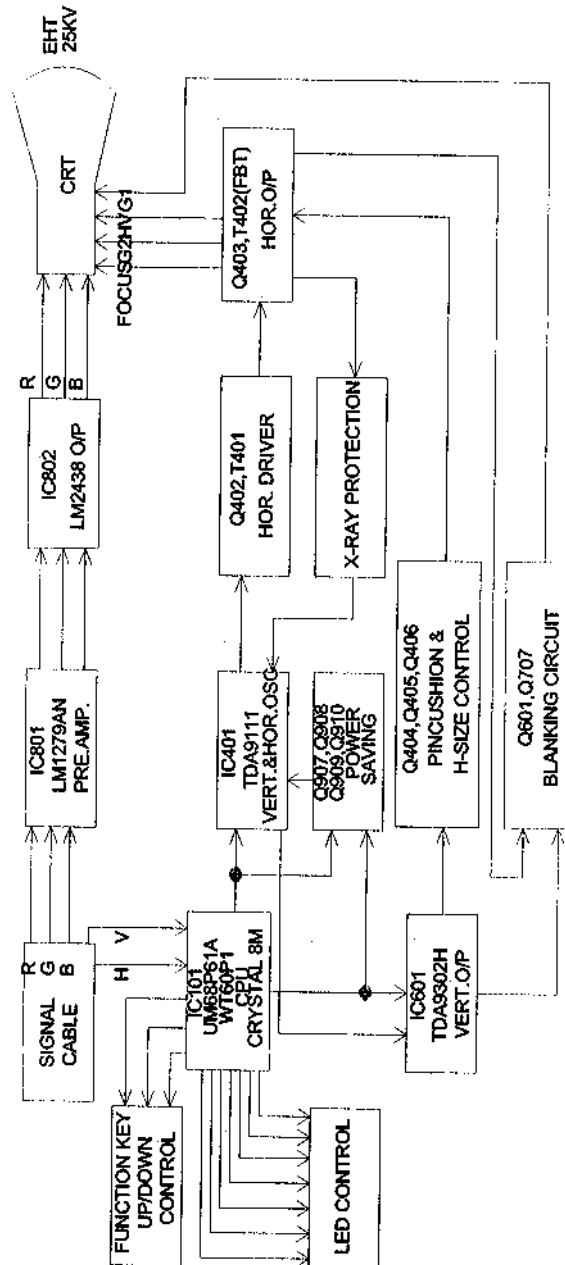
Model Number. : 105S6**

FCC ID : ARSCM554S

EMC Report No. : ACS-F04104

Block Diagram

BLOCK DIAGRAM



Schematic Diagram

NOTE:
This document is a guide. It does not guarantee the accuracy of this information.
after the date of publication. The manufacturer is not responsible for any changes,
errors or omissions.



Test condition: 800x600@65Hz
The 1.8k resistor not to label power.
The 50u capacitor not to label voltage.

MODEL	SES1	ORRHED BY	SEAN TRNG
P/N	SSS1-01-1	CHECKER	
DATE	HRB-3-2004	APPROVED BY	

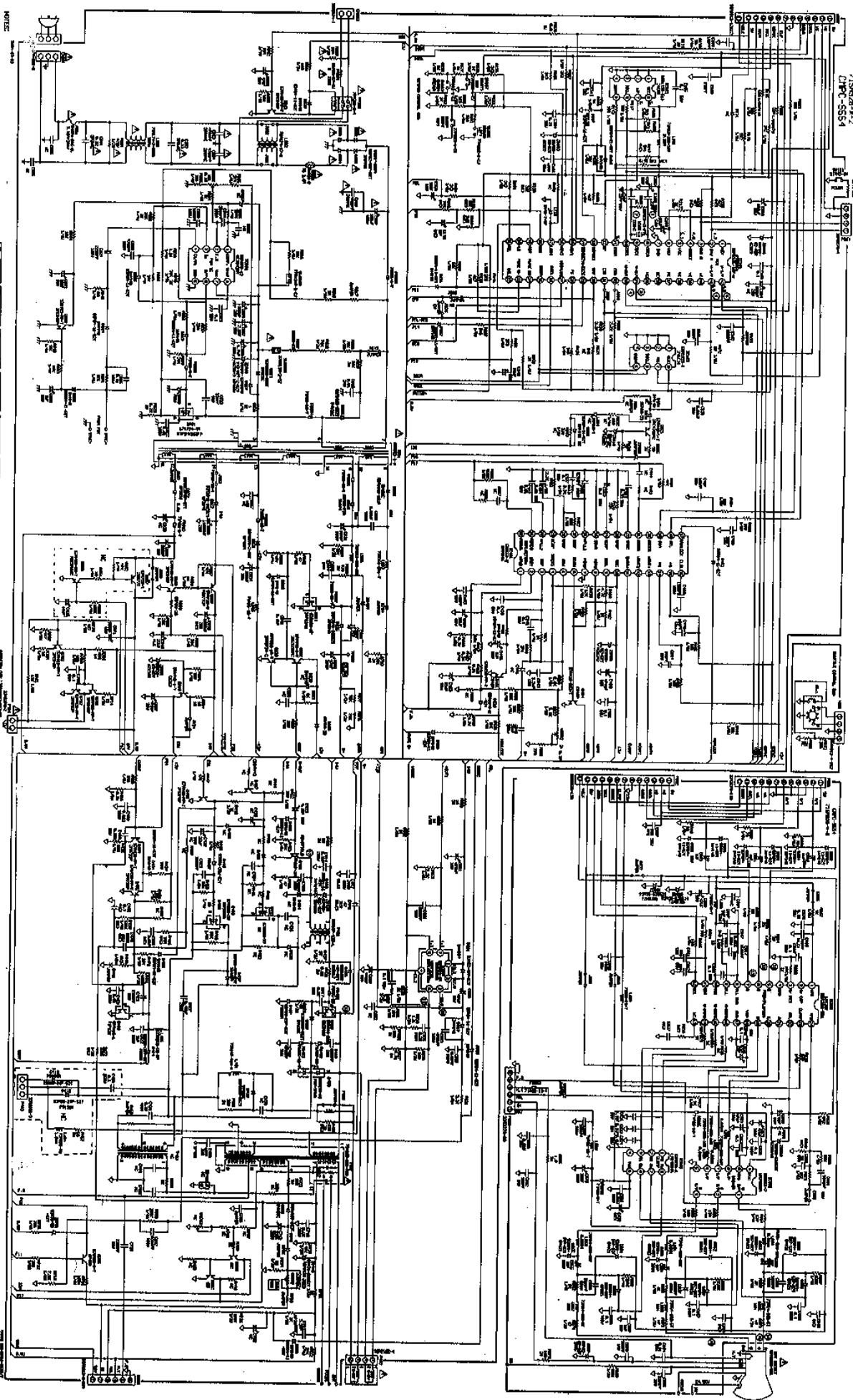


EXHIBIT 4

Test Report

Test Report

ACS-F04104

EXHIBIT 5

Operational Description

User's Manual

Operational Description

Circuit Description

IC101 the 8MHz crystal oscillator drivers the base of IC801 and IC802 RGB operation, And IC401 oscillator drivers the base of Q402 and T401 horizontal operation. IC101 oscillator drivers the base of IC601 vertical operation.

Signal is sent to IC401 and IC601 by IC101, and displayed in CRT.

User's Manual

CRT Monitor

Quick Start Guide

Guide de Démarrage
Guía Rápida del Comienzo
Краткое руководство

PHILIPS

Additional information available at our website:
www.philips.com

Specifications subject to change without notice.
All dimensions shown are approximate.

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Before operating the monitor please read this manual thoroughly. This manual should be retained for future reference.

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PACKING LIST

The product package should include the following items:

1. Monitor
2. Owner's Manual
3. Power Cord
4. Swivel Base

PRECAUTIONS

- Do not use the monitor near water, e.g. near a bathtub, washbowl, kitchen sink, laundry tub, swimming pool or in a wet basement.
- Do not place the monitor on an unstable cart, stand, or table. If the monitor falls, it can injure a person and cause serious damage to the appliance. Use only a cart or stand recommended by the manufacturer or sold with the monitor. If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of the monitor and to protect it from overheating, be sure these openings are not blocked or covered. Do not place the monitor on a bed, sofa, rug, or similar surface. Do not place the monitor near or over a radiator or heat register. Do not place the monitor in a bookcase or cabinet unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.
- Unplug the unit during a lightning storm or when it will not be used for long periods of time. This will protect the monitor from damage due to power surges.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- Never push any object into the slot on the monitor cabinet. It could short circuit parts causing a fire or electric shock. Never spill liquids on the monitor.
- Do not attempt to service the monitor yourself; opening or removing covers can expose you to dangerous voltages and other hazards. Please refer all servicing to qualified service personnel.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100 - 240 VAC, Min. 1.5A.
- The wall socket shall be installed near the equipment and shall be easily accessible.

INSTALLATION INSTRUCTIONS

Swivel Base

To attach the swivel base to the monitor, do the following:

- Carefully turn the monitor on its side or upside down. (see figure 1)
- Locate the cavities at the bottom front of the monitor.
- Insert the pegs on the swivel base into these cavities. Push the swivel base forward until the swivel base locks in place.
- To remove the swivel base, hold the bottom of the swivel base, then push it out.

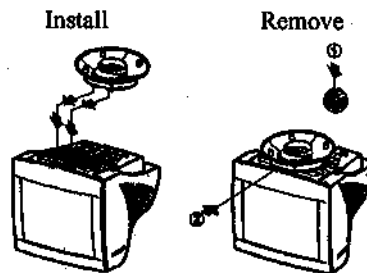


Figure 1 Installing and Removing the Swivel Base

Power Cord

Power Source:

1. Make sure the power cord is the correct type that required in your area.
2. This monitor has a universal power supply that allows operation in either 100/120V AC or 220/240V AC voltage area (No user adjustment is required.)
3. Connect the power cord into your monitor's power input socket, and then plug the other end into a 3-pin AC power outlet. The power cord may be connected to either a wall power outlet or the power outlet socket on your PC, depending on the type of power cord supplied with your monitor.

Video cable

Connecting the Video Cable: The monitor comes with a built-in video cable. Plug the signal cable's 15-pin connector into the computer's video port and tighten the two screws on the cable connector.

Caution: Don't bend the signal cable, otherwise it will break the inner wire.

Connecting the Power Cord: Plug the power cord into the monitor's AC power socket. Then plug the power cord into a grounded AC outlet or UL-approved power strip or the power output socket on your PC.

Caution: If the AC outlet is not grounded (with three holes), install the proper grounding adapter (not supplied).

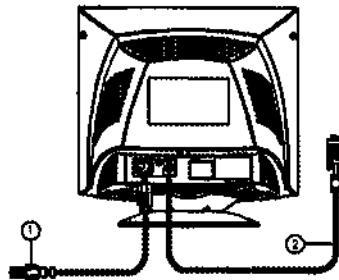


Figure 2 Connecting Cables

1.	Power Cord	2.	Signal Cable
----	------------	----	--------------

OPERATING INSTRUCTIONS

General Instructions

The power switch is located at front panel of the monitor. Press the power switch to turn the monitor on or off. The other control knobs are located at the base of the monitor (See Figure 3). By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- To turn the monitor on, press the POWER switch to ON position. The power indicator will light up.
- Your monitor features a unique quick switch system which provides a picture within seconds after the monitor is switched on.

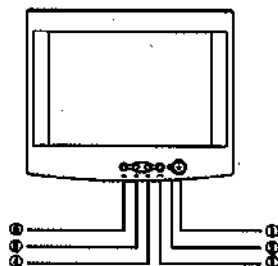






Figure 3 External Control Knob

1.	POWER SWITCH	4.	CONTRAST/▶
2.	POWER INDICATOR	5.	BRIGHTNESS/◀
3.	MENU	6.	EXIT

Notes

- Do not install the monitor in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- Save the original shipping carton and packing materials, as they will come in handy if you ever have to ship your monitor.
- For maximum protection, repackage your monitor as it was originally packed at the factory.
- To keep the monitor looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner, benzene, or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug the monitor before cleaning it.

Front Panel Control

- **Power Switch:** Press this knob to switch ON/OFF of monitor's power.
- **MENU:** Active OSD menu or function adjust confirm.
- **Contrast**  /  : Adjust contrast or function adjust.
- **Brightness**  /  : Adjust brightness or function adjust.
- **EXIT:** Press the EXIT key to inactive OSD menu.
- **Power Indicator:**
 - Green — Power On mode.
 - Orange — Off mode.

How to adjust a setting

The monitor controls are accessed by pressing button MENU to enable OSD (On-Screen-Display). The main menu will be displayed as follows.

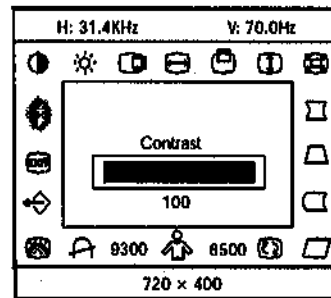














Figure 4 The OSD Message

Note: If adjustment or selection of any OSD menu is not made for more than 10 seconds, the current setup will be saved and the OSD will disappear automatically.

Adjusting the picture

The description for functional control icons

1. Contrast  :
Adjust the picture contrast.
2. Brightness  :
Adjust the picture brightness.
3. H-center  :
Adjust the horizontal position of the picture.
4. H-size  :
Adjust the picture's horizontal size.
5. V-center  :
Adjust the vertical position of the picture.
6. V-size  :
Adjust the picture's vertical size.
7. Zoom  :
Adjust the picture's horizontal and vertical size simultaneously.
8. Pincushion  :
Adjust the pincushion and barrel.
9. Trapezoid  :
Adjust the picture's trapezoid distortion.
10. Pin-Balance  :
Adjust to compensate the pincushion imbalance.
11. Parallelogram  :
Adjust the picture to be a rectangle.
12. Rotation  :
Adjust the picture tilt to horizontal position.
13. Recall 6500°k/9300°k color Temperature
The color temperature for 6500°K is $x=0.313$, $y=0.329$ and 9300°K is $x=0.283$, $y=0.297$. It presents two different color sets on the screen. You can select 9300°K or 6500°K by pressing MENU Key.

14. User color



If the 9300°K normal white or 6500°K warmer white do not satisfy your desire, properly adjust R . B GAIN controls to obtain your optimum whiteness level.

15. Degauss



If color impurity occurs when moving or swiveling the monitor, press MENU Key and degauss to fix the picture condition.

16. H-Moire Reduce/Moire Disable/V-Moire Reduce/Quit



Moire is the result of interference between the phosphor layout and the video signal. In some cases, you may find the moire very noticeable. Press the MENU to enter in the moire reduce setting. Please adjust the level to the optimum condition. Note: Too high of a setting will cause the picture to shake.

17. Recall



Press RECALL to restore the monitor to factory settings.

18. Exit



Close OSD window.

19. Select language



Select the language as you like.

THIS MONITOR WILL APPEAR TO BE NON-FUNCTIONAL IF THERE IS NO VIDEO INPUT SIGNAL. IN ORDER FOR THIS MONITOR TO OPERATE PROPERLY, THERE MUST BE A VIDEO INPUT SIGNAL.

This monitor meets the Power Management standards as set by the Video Electronics Standards Association (VESA) and/or the United States Environmental Protection Agency (EPA) and The Swedish Confederation Employees (NUTEK). This feature is designed to conserve electrical energy by reducing power consumption when there is no video input signal present. When there is no video input signal this monitor, following a time-out period, will automatically switch to an OFF mode. This reduces the monitor's internal power supply consumption. After the video input signal is restored, full power is restored and the display is automatically redrawn. The appearance is similar to a "Screen Saver" feature except the display is completely off. The display is restored by pressing a key on the keyboard, or clicking the mouse.

Plug and play

Plug & Play DDC1/2B Feature

This monitor is equipped with VESA DDC1/2B capabilities according to the VESA DDC STANDARD. It allows the monitor to inform the host system of its identity and, depending on the level of DDC used, communicate additional information about its display capabilities. The communication channel is defined in two levels, DDC1 and DDC2B.

The DDC1 is a unidirectional data channel from the display to the host that continuously transmits EDID information. The DDC2B is a bidirectional data channel based on the I²C protocol. The host can request EDID information over the DDC2B channel.

Video Cable Pin Assignments:

1. Red	5. Ground	9. NC	13. H-sync
2. Green	6. R-Ground	10. Ground	14. V- sync / * VCLK
3. Blue	7. G-Ground	11. Monitor Ground	15. DDC-Serial Clock
4. Ground	8. B-Ground	12. DDC-Serial Data	* FOR DDC

TECHNICAL SUPPORT (FAQ)

Problem & Question	Possible Solution
Power LED is not on	<ul style="list-style-type: none"> *Check if the Power Switch is in the ON position *Power Cord should be connected
No Plug & Play	<ul style="list-style-type: none"> *Check if the PC system is Plug & Play compatible *Check if the Video Card is Plug & Play compatible *Check if the D-15 plug pin of Video Cable is bent *Make sure the Monitor Drivers are installed
Picture is fuzzy	*Adjust the Contrast and Brightness Controls.
Picture bounces or a wave pattern is present in the picture	*Move electrical devices that may cause electrical interference.
The power LED is ON (orange) but there's no video or no picture	<ul style="list-style-type: none"> *Computer Power Switch should be in the ON position *Computer Video Card should be snugly seated in its slot *Make sure monitor's video cable is properly connected to the computer. *Inspect monitor's video cable and make sure none of the pins are bent. *Make sure computer is operational by hitting the CAPS LOCK key on the keyboard while observing the CAPS LOCK LED. The LED should either turn ON or OFF after hitting the CAPS LOCK key.
Missing one of the primary colors (RED, GREEN, or BLUE)	*Inspect the monitor's video cable and make sure that none of the pins are bent.

APPENDIX A - SPECIFICATIONS

CRT	38cm(15"), 90° deflection, 29mm neck, 0.28mm dot pitch non-glare screen.
Viewable Image Size	35.6cm (14"), diagonal
Display Color	Unlimited colors
• Analog input	All timing that meets scanning frequencies Specification
Input Signal	
• Video	• Analog R, G, B 0.7Vpp positive/75 ohm
• Sync.	• Horizontal sync. : Positive/Negative • Vertical sync. : Positive/Negative
Synchronization	
• Horizontal	30kHz to 54kHz automatically
• Vertical	50Hz to 120Hz automatically
Max. Resolution	1024×768
Video bandwidth	65MHz
Factory Preset Timings :	6
User mode Timings :	9
Misconvergence	
• Center	0.3mm Max.
• Corner	0.4mm Max.
Power Source	Switching mode power supply AC 100-240V, 50Hz/60Hz full range
Operating	0°C to 40°C ambient
Humidity	10% to 85% relative, non-condensing
Weight	11.5kg(Net)
Dimensions	
• Monitor	360(W) × 362(H) × 387(D)mm
Signal Cable	15 pin mini D-Sub
External Controls:	
Switch	• POWER SWITCH • MENU KEY • CONTRAST/UP KEY • BRIGHTNESS/DOWM KEY • EXIT KEY

Functions (OSD)		<ul style="list-style-type: none"> • Contrast • Brightness • H-center • H-size • V-center • V-size • Zoom • Pincushion • Trapezoid • Pin-Balance • Parallelogram • Rotation • 6500°k • User color • 9300°k • Degauss • Moire • Recall • Exit • Select language
Plug & Play		DDC1/2B
EPA ENERGY STAR®	On mode	≤ 75W
	Off mode	≤ 8W
Power consumption		75W Max.
Preset display area		270mm × 202mm
Regulations		UL, CSA, CB report, SEMKO, TUV-S, TUV-Buart, FCC, ICES(State in FCC), CE, EPA
		For selected models :TUV/GS, MPR II

APPENDIX B - FACTORY PRESET TIMING TABLE

STANDARD	RESOLUTION	HORIZONTAL FREQUENCY	VERTICAL FREQUENCY
IBM	720×400	31.5kHz	70Hz
VGA	640×480	31.5kHz	60Hz
VESA/85	640×480	37.5kHz	75Hz
VESA/85	800×600	46.9kHz	75Hz
VESA/85	800×600	53.6kHz	85Hz
VESA/60	1024×768	48.4kHz	60Hz

Your International Guarantee

Dear Customer,

Thank you for purchasing this Philips product which has been designed and manufactured to the highest quality standards.

If, unfortunately, something should go wrong with this product Philips guarantees free of charge labor and replacement parts irrespective of the country where it is repaired during a period of 12 months from date of purchase. This international Philips guarantee complements the existing national guarantee obligations to you of dealers and Philips in the country of purchase and does not affect your statutory rights as a customer.

The Philips guarantee applies provided the product is handled properly for its intended use, in accordance with its operating instructions and upon presentation of the original invoice or cash receipt, indicating the date of purchase, dealer's name and model and production number of the product.

The Philips guarantee may not apply if:

- the documents have been altered in any way or made illegible;
- the model or production number on the product has been altered, deleted, removed or made illegible;
- repairs or product modifications and alterations have been executed by unauthorized service organizations or persons;
- damage is caused by accidents including but not limited to lightning, water or fire, misuse or neglect.

Please note that the product is not defective under this guarantee in the case where modifications become necessary in order for the product to comply with local or national technical standards which apply in countries for which the product was not originally designed and/or manufactured. Therefore always check whether a product can be used in a specific country.

In case your Philips product is not working correctly or is defective, please contact your Philips dealer. In the event you require service whilst in another country a dealer address can be given to you by the Philips Consumer Help Desk in that country, the telephone and fax number of which can be found in the relevant part of this booklet.

In order to avoid unnecessary inconvenience, we advise you to read the operating instructions carefully before contacting your dealer. If you have questions which your dealer cannot answer or any related question please contact the Philips Consumer Information Centers or via:

Website: <http://www.philips.com>

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: 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.