Brilliance

273P3L

www.philips.com/welcome

PHILIPS

Table of Contents

1. Important

This electronic user's guide is intended for anyone who uses the Philips monitor. Take time to read this user manual before you use your monitor. It contains important information and notes regarding operating your monitor.

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.

1.1 Safety precautions and mainte-nance

⚠ Warnings

Use of controls, adjustments or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards and/or mechanical hazards.

Read and follow these instructions when connecting and using your computer monitor.

Operation

- Risk of electric shock or fire!

- Keep the monitor out of direct sunlight and away from stoves or any other heat source.

- Remove any object that could fall into ventilation holes or prevent proper cool-ing of the monitor's electronics.

- Do not block the ventilation holes on the cabinet.

- When positioning the monitor, make sure the power plug and outlet are easily accessible.

- If turning off the monitor by detaching the power cable or DC power cord, wait for 6 seconds before attaching the power cable or DC power cord for normal operation.

- Please use approved power cord provided by Philips all the time. If your power cord is missing, please contact with your local service center. (Please refer to Customer Care Consumer Information Center.)

- Do not subject the monitor to severe vibration or high impact conditions during operation.

- Do not knock or drop the monitor during operation or transportation.

Maintenance

- To protect your monitor from possible damage, do not put excessive pressure on the Monitor panel. When moving your monitor, grasp the frame to lift; do not lift the monitor by placing your hand or fingers on the Monitor panel.

- Unplug the monitor if you are not going to use it for an extensive period of time.

- Unplug the monitor if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use organic solvent, such as, alcohol, or ammonia-based liquids to clean your monitor.

- To avoid the risk of shock or permanent damage to the set, do not expose the monitor to dust, rain, water, or excessive moisture environment.

- If your monitor gets wet, wipe it with dry cloth as soon as possible.

- If foreign substance or water gets in your monitor, please turn the power off immediately and disconnect the power cord. Then, remove the foreign substance or water, and send it to the maintenance center.

- Do not store or use the monitor in locations exposed to heat, direct sunlight or extreme cold.

- In order to maintain the best performance of your monitor and use it for a longer life-time, please use the monitor in a location that falls within the following temperature and humidity ranges.
Temperature: 0-40°C 32-95°F
Humidity: 20-80% RH

- IMPORTANT: Always activate a moving screen saver program when you leave your monitor unattended. Always activate a periodic screen refresh application if your monitor will display unchanging static content. Uninterrupted display of still or static images over an extended period may cause "burn in", also known as "after-imaging" or "ghost imaging", on your screen. "Burn-in", "after-imaging", or "ghost imaging" is a well-known phenomenon in Monitor panel technology. In most cases, the "burned in" or "after-imaging" or "ghost imaging" will disappear gradually over a period of time after the power has been switched off.

⚠ Warning

Severe" burn-in" or "after-image" or "ghost image" symptoms will not disappear and cannot be repaired. The damage mentioned above is not covered under your warranty.

Service

- The casing cover should be opened only by qualified service personnel.

- If there is any need for any document for repair or integration, please contact with your local service center. (please refer to the chapter of "Consumer Information Center")

- For transportation information, please refer to "Technical Specifications".

- Do not leave your monitor in a car/trunk under direct sun light.

⊜ Note

Consult a service technician if the monitor does not operate normally, or you are not sure what procedure to take when the operating instructions given in this manual have been followed.

1.2 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 or italic type. These blocks contain notes, cautions or warnings. They are used as follows:

⊜ Note

This icon indicates important information and tips that help you make better use of your computer system.

❶ 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 problem.

Some warnings may appear in alternate formats and may not be accompanied by an icon. In such cases, the specific presentation of the warning is mandated by the relevant regulatory authority.

1.3 Disposal of product and packing material

Waste Electrical and Electronic Equipment - WEEE

This marking on the product or on its packaging illustrates that, under European Directive 2012/19/EU governing used electrical and electronic appliances, this product may not be disposed of with normal household waste. You are responsible for disposal of this equipment through a designated waste electrical and electronic equipment collection. To determine the locations for dropping off such waste electrical and electronic, contact your local government office, the waste disposal organization that serves your household or the store at which you purchased the product.

Your new monitor contains materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and to minimize the amount to be disposed of.

All redundant packing material has been omitted. We have done our utmost to make the packaging easily separable into mono materials.

Please find out about the local regulations on how to dispose of your old monitor and packing from your sales representative.

Taking back/Recycling Information for Customers

Philips establishes technically and economically viable objectives to optimize the environmental performance of the organization's product, service and activities.

From the planning, design and production stages, Philips emphasizes the important of making products that can easily be recycled. At Philips, end-of-life management primarily entails participation in national take-back initiatives and recycling programs whenever possible, preferably in cooperation with competitors, which recycle all materials (products and related packaging material) in accordance with all Environmental Laws and taking back program with the contractor company.

Your display is manufactured with high quality materials and components which can be recycled and reused.

To learn more about our recycling program please visit: http://www.philips.com/sites/philipsglobal/about/sustainability/ourenvironment/productrecyclingservices.page.

2. Setting up the monitor

2.1 Installation

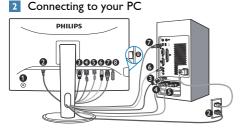### 273P3L

1 **Package contents**
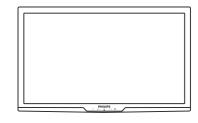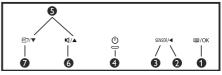
HDMI (optional)

DVI (optional)   VGA (optional)

2 **Connecting to your PC**

1 Kensington anti-thief lock
2 AC power input
3 HDMI input
4 DVI-D input
5 VGA input
6 Audio input & Earphone jack
7 USB upstream
8 USB downstream

Connect to PC

1. Turn off your computer and unplug its power cord.

2. Connect the VGA or DVI or HDMI signal cable for video connection.

3. Connect the Audio cable for audio connection.

4. Connect the USB upstream port on the monitor and the USB port on your computer with a USB cable. The USB downstream port is now ready for any USB device to plug in.

5. Plug the power cord into a nearby AC power outlet.

6. Turn on your computer and monitor. If the monitor displays images, the installation is done.

2.2 Operating the monitor

1 **Front view product description**

1	▤/OK	To access the OSD menu.
2	◀	Return to previous OSD level.
3	SENSOR	Power sensor.
4	⏻	To switch monitor's power ON and OFF.
5	▲ ▼	To adjust the OSD menu.
6	◀◻	To adjust volume of the display.

❼	⬓	SmartImage. There are 6 modes to be selected: Office, Photo, Movie, Game, Economy, Off.

2 Description of the On Screen Display

What is On-Screen Display (OSD)?

On-Screen Display (OSD) is a feature in all Philips Monitors. It allows an end user to adjust screen performance or select functions of the monitors directly through an on-screen instruction window. A user friendly on screen display interface is shown as below:

Power Sensor	On
	Off
Input	
Picture	
Audio	
Color	
▼	

Basic and simple instruction on the control keys

In the OSD shown above, users can press ▼ ▲ buttons at the front bezel of the monitor to move the cursor, or press **OK** to confirm the choice or adjustment.

The OSD Menu

Below is an overall view of the structure of the On-Screen Display. You can use this as a reference when you want to work your way around the different adjustments later on.

Main menu   **Sub menu**

Power Sensor — On — 0, 1, 2, 3, 4
              — Off

Input — VGA
      — DVI
      — HDMI

Picture — Picture Format — Wide Screen, 4:3
        — Brightness — 0~100
        — Contrast — 0~100
        — SmartResponse — Off, Fast , Faster, Fastest
        — SmartContrast — On, Off
        — Gamma — 1.8, 2.0, 2.2, 2.4, 2.6

Audio — Stand Alone — On, Off
      — Mute — On, Off

Color — Color Temperature — 5000K, 6500K, 7500K, 8200K,
                             9300K, 11500K
      — sRGB
      — User Define — Red: 0~100
                     — Green: 0~100
                     — Blue: 0~100

Language — English , Español, Français, Deutsch, Italiano,
           Português, Русский , 简体中文

OSD Settings — Horizontal — 0~100
             — Vertical — 0~100
             — Transparency — Off, 1, 2, 3, 4
             — OSD Time out — 5, 10, 20, 30, 60

Setup — Auto
      — Over Scan — On, Off
      — H. Position — 0~100
      — V. Position — 0~100
      — Phase — 0~100
      — Clock — 0~100
      — Resolution Notification — On, Off
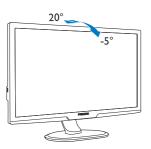   — Reset — Yes, No
      — Information

3 Resolution notification

This monitor is designed for optimal performance at its native resolution, 1920 × 1080 at 60 Hz. When the monitor is powered on at a different resolution, an alert is displayed on screen: Use 1920 × 1080 at 60 Hz for best results.

Display of the native resolution alert can be switched off from Setup in the OSD (On Screen Display) menu.

4 Physical Function

Tilt

Swivel

Pivot

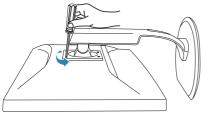Height adjustment

2.3 Remove Base Stand and Base

1 **Remove the Base**

Condition:
*   For VESA standard mounting applications.

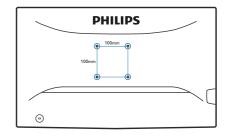### 273P3L

1.   Remove the 4 screws.

2.   Remove the base from the monitor.

Note

This monitor accepts a 100mm x 100mm VESA-Compliant mounting interface.

PHILIPS

100mm
100mm

7

3. Image Optimization

3.1 SmartImage

1 **What is it?**

SmartImage provides presets that optimize display for different types of content, dynamically adjusting brightness, contrast, color and sharpness in real time. Whether you're working with text applications, displaying images or watching a video, Philips SmartImage delivers great optimized monitor performance.
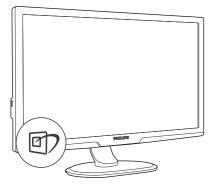
2 **Why do I need it?**

You want a monitor that delivers optimized display all your favorite types of content, SmartImage software dynamically adjust brightness, contrast, color and sharpness in real time to enhance your monitor viewing experience.

3 **How does it work?**

SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, color saturation and sharpness of images to enhance the contents being displayed - all in real time with the press of a single button.

4 **How to enable SmartImage?**

1. Press ▭ to launch the SmartImage on screen display.

2. Keep pressing ▼ ▲ to toggle between Office, Photo, Movie, Game, Economy and Off.

3. The SmartImage on screen display will remain on screen for 5 seconds, or you can also press "OK" to make confirmation.

There are six modes to select: Office, Photo, Movie, Game, Economy and Off.

- **Office:** Enhances text and dampens brightness to increase readability and reduce eye strain. This mode significantly enhances readability and productivity when you're working with spreadsheets, PDF files, scanned articles or other general office applications.

- **Photo:** This profile combines color saturation, dynamic contrast and sharpness enhancement to display photos and other images with outstanding clarity in vibrant colors - all without artifacts and faded colors.

- **Movie:** Ramped up luminance, deepened color saturation, dynamic contrast and razor sharpness displays every details in darker areas of your videos without color washout in brighter areas maintaining a dynamic natural values for the ultimate video display.

- **Game:** Turn on over drive circuit for best response time, reduce jaggy edges for fast moving objects on screen, enhance contrast

ratio for bright and dark scheme, this profile delivers the best gaming experience for gamers.

- **Economy:** Under this profile, brightness, contrast are adjusted and backlighting finetuned for just right display of everyday office applications and lower power consumption.

- **Off:** No optimization by SmartImage.

3.2 SmartContrast

1 **What is it?**

Unique technology that dynamically analyzes displayed content and automatically optimizes a Monitor's contrast ratio for maximum visual clarity and viewing enjoyment, stepping up backlighting for clearer, crisper and brighter images or dimming backlighting for clear display of images on dark backgrounds.

2 **Why do I need it?**

You want the very best visual clarity and viewing comfort for every type of content. SmartContrast dynamically controls contrast and adjusts backlighting for clear, crisp, bright gaming and video images or displays clear, readable text for office work. By reducing your monitor's power consumption, you save on energy costs and extend the lifetime of your monitor.

3 **How does it work?**

When you activate SmartContrast, it will analyse the content you are displaying in real time to adjust colors and control backlight intensity. This function will dynamically enhance contrast for a great entertainment experience when viewing videos or playing games.

4. Power Sensor™

PowerSensor is a unique environmentally friendly technology from Philips which enables user to save up to 80% of power consumption. In line with Philip's Sense and Simplicity drive, this user friendly technology works for you right out of the box without any hardware or software installation, and without any user intervention in the default mode.

1 How does it work?

- PowerSensor works on principle of transmission and reception of harmless "infrared" signals in order to detect user-presence.

- When the user is in front of the monitor the monitor operates normally, at the predetermined settings that the user has set- i.e. Brightness, contrast, color, etc.

- Assuming that the monitor was set to 100% of brightness for example, when the user leaves his seat and is no longer in front of the monitor, the monitor automatically reduces the power consumption upto 80%.

User present in front   User not present

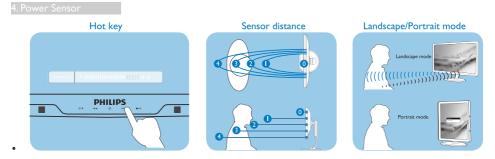Power consumption as illustrated above is for reference purpose only

2 Setting

Default settings

PowerSensor is designed to detect the presence of the user located between 30 and 100 cm (12 and 40 inches) from the display and within five degrees left or right of the monitor.

Custom settings

- If you prefer to be in a position outside the perimeters listed above, choose a higher strength signal for optimal detection efficiency: The higher the setting, the stronger the detection signal. For maximum PowerSensor efficiency and proper detection, please position yourself directly in front of your monitor.

- If you choose to position yourself more than 100 cm or 40 inches from the monitor use the maximum detection signal for distances up to 120cm or 47 inches. (setting 4)

- Since some dark colored clothing tends to absorb infrared signals even when the user is within 100 cm or 40 inches of the display, step up signal strength when wearing black or other dark-garb.

Hot key	Sensor distance	Landscape/Portrait mode

Landscape mode

Portrait mode

-

3 **How to adjust settings**

If PowerSensor is not operating correctly inside or outside the default range, here's how to fine-tune detection:

- Press the PowerSensor hot key
- You will find the adjustment bar.
- Adjust the PowerSensor detection adjustment to Setting 4 and press OK.
- Test the new setup to see if PowerSensor properly detects you in your current position.
- PowerSensor function is designed to work in Landscape mode (horizontal position) only. After PowerSensor turn on, it will automatically turn Off if the monitor is used in Portrait mode (90 degree/ vertical position); it will automatically turn ON if monitor is returned to its default Landscape position.

 Note

A manually selected PowerSensor mode will remain operational unless and until it is readjusted or the default mode is recalled. If you find that the PowerSensor is excessively sensitive to nearby motion for some reason, please adjust to a lower signal strength.

5. Technical Specifications

273P3L

Picture/Display			
Monitor panel type	TFT-LCD		
Backlight	LED		
Panel size	27" W (68.6 cm)		
Aspect ratio	16:9		
Pixel Pitch	0.31 x 0.31 mm		
SmartContrast	20,000,000:1		
Response time (typical)	1 ms		
Optimum Resolution	1920x1080 @ 60Hz		
Viewing angle	170° (H) / 160° (V) @ C/R > 10		
Picture Enhancement	SmartImage Premium		
Display colors	16.7 M		
Vertical refresh rate	56Hz -76Hz		
Horizontal Frequency	30kHz - 83kHz		
sRGB	YES		
Connectivity			
Signal input	DVI (digital), VGA (Analog), HDMI		
Input Signal	Separate Sync, Sync on Green		
Convenience			
User Convenience	Smartimage/▼, Volume/▲, Power On/Off ,Sensor/back, Menu (OK)		
OSD Languages	English, French, German, Italian, Russian, Spanish, Simplified Chinese, Portuguese		
Plug & Play Compatibility	DDC/CI, sRGB, Windows 7/Vista/XP, Mac OSX, Linux		
Stand			
Tilt	-5 / +20		
Swivel	-65/+65		
Height adjustment	110mm		
Power			
On mode	27.3W(typ), 48.2W(max)		
On mode(Eco mode)	16.7W(typ)		
Energy Consumption (EnergyStar 5.0 test method)	AC Input Voltage at 100VAC +/-5VAC, 50Hz +/-3Hz	AC Input Voltage at 115VAC +/-5VAC, 60Hz +/-3Hz	AC Input Voltage at 230VAC +/-5VAC, 50Hz +/-3Hz
Normal Operation (typcial)	20.4W	20.5W	20.6W
Sleep	0.5W	0.5W	0.5W
Off	0.3W	0.3W	0.3W
Heat Dissipation*	AC Input Voltage at 100VAC +/-5VAC, 50Hz +/-3Hz	AC Input Voltage at 115VAC +/-5VAC, 60Hz +/-3Hz	AC Input Voltage at 230VAC +/-5VAC, 50Hz +/-3Hz
Normal Operation	103.2 BTU/hr	102.9 BTU/hr	103.7 +BTU/hr

Sleep	0.546 BTU/hr	0.546 BTU/hr	0.683 BTU/hr
Off	0.512 BTU/hr	0.546 BTU/hr	0.614 BTU/hr
Power LED indicator	On mode: White, Standby/Sleep mode: White (blinking)		
Power Supply	Build-in, 100-240VAC, 50/60Hz		

Dimension	
Product with stand (WxHxD)	642 x 528 x 244 mm
Product without stand (WxHxD)	642 x 391 x 65 mm
Weight	
Product with stand	7.79 kg
Product without stand	5.40 kg
Product with packaging	9.79 kg

Operating Condition	
Temperature range (operation)	0°C to 40 °C
Temperature range (Non-operation)	-20°C to 60°C
Relative humidity	20% to 80%
Altitude	Operation: + 12,000 ft (3,658 m)
	Non-operation: + 40,000 ft (12,192 m)

Environmental	
ROHS	YES
EPEAT	Gold (www.epeat.net)
Packaging	100% recyclable
Specific Substances	PVC/BFR Free[3] for User Accessible Parts (Excluding Cables and Adaptors)
Compliance and standards	
Regulatory Approvals	CE Mark, FCC Class B, CU-EAC, SEMKO, TCO5.1, UL/cUL, TUV Ergo, TUV/GS, BSMI
Cabinet	
Color	Black/Silver
Finish	Texture

⊜ Note

1. EPEAT Gold or Silver is valid only where Philips registers the product.
   Please visit www.epeat.net for registration status in your country.
2. This data is subject to change without notice.
   Go to www.philips.com/support to download the latest version of leaflet.
3. This monitor is brominated flame retardant and polyvinyl chloride-free (PVC/BFR free) for all user accessible parts (excluding cables and adaptors). Organobromine compounds in the form of flame retardants must not be used in those portions equal to or greater than 0.09%(900ppm maximum of Bromine) and organobromine compounds in the form of polyvinyl chloride or polyvinyl chloride congeners must not be used in those portions equal to or greater than 0.1% (1000ppm maximum of Chlorine).

5.1 Resolution & Preset Modes

1 **Maximum Resolution**
1920 x 1080 at 60 Hz (analog input)
1920 x 1080 at 60 Hz (digital input)

2 **Recommended Resolution**
1920 x 1080 at 60 Hz (digital input)

H. freq (kHz)	Resolution	V. freq (Hz)
31.47	720x400	70.09
31.47	640x480	59.94
35.00	640x480	66.67
37.86	640x480	72.81
37.50	640x480	75.00
37.88	800x600	60.32
46.88	800x600	75.00
48.36	1024x768	60.00
60.02	1024x768	75.03
63.89	1280x1024	60.02
79.98	1280x1024	75.03
55.94	1440x900	59.89
70.64	1440x900	74.98
65.29	1680x1050	59.95
67.50	1920x1080	60.00

Note

Please notice that your display works best at native resolution of 1920 X 1080@60Hz. For best display quality,please follow this resolution recommendation.

6. Power Management

If you have VESA DPM 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
Active	ON	Yes	Yes	< 27.3 W (typ.) < 48.2W(max)	White
Sleep	OFF	No	No	< 0.5 W (typ.)	White (blinking)
Switch Off	OFF	-	-	< 0.3 W (typ.)	OFF

The following setup is used to measure power consumption on this monitor.

- Native resolution: 1920 x 1080
- Contrast: 50%
- Brightness: 100%
- Color temperature: 6500k with full white pattern

 Note

This data is subject to change without notice.

7. Regulatory Information

Lead-free Product

Lead free display promotes environmentally sound recovery and disposal of waste from electrical and electronic equipment. Toxic substances like Lead has been eliminated and compliance with European community's stringent RoHs directive mandating restrictions on hazardous substances in electrical and electronic equipment have been adhered to in order to make Philips monitors safe to use throughout its life cycle.

Congratulations!

This display is designed for both you and the planet.

TCO Development works for sustainable IT - manufacture, use and recycling of IT products reflecting environmental, social and economic responsibility.

TCO Certified is a third party verified program, where every product model is tested by an accredited impartial test laboratory. TCO Certified represents one of the toughest certifications for ICT products worldwide.

Some of the Usability features of TCO Certified Displays:

- Visual Ergonomics for image quality is tested to ensure top performance and reduce sight and strain problems. Important parameters are Resolution, Luminance, Contrast, Reflection and Colour characteristics
- Products are tested according to rigorous safety standards at impartial laboratories
- Electric and magnetic fields emissions as low as normal household background levels
- Workload ergonomics to ensure a good physical environment

Some of the Environmental features of TCO Certified Displays:

- Production facilities have an Environmental Management System (EMAS or ISO 14001)
- Low energy consumption to minimize climate impact
- Restrictions on Chlorinated and Brominated flame retardants, plasticizers, plastics and heavy metals such as cadmium, mercury and lead (RoHS compliance)
- Both product and product packaging is prepared for recycling
- The brand owner offers take-back options

Corporate Social Responsibility

- The brand owner demonstrates the product is manufactured under working practices that promote good labour relations and working conditions.

The Criteria Document can be downloaded from our web site. The criteria included in this label have been developed by TCO Development in co-operation with scientists, experts, users as well as manufacturers all over the world. Since the end of the 1980s TCO has been involved in influencing the development of IT equipment in a more user and environmentally friendly direction. Our ICT product labeling system began in 1992 and is now requested by users and ICT-manufacturers all over the world.

For displays with glossy bezels, the user should consider the placement of the display as the bezel may cause disturbing reflections from surrounding light and bright surfaces.

For more information, please visit: www.tcodevelopment.com

Technology for you and the planet

(Only for selective models)

User mode is used for TCO Certified compliance.

EPEAT

(www.epeat.net)

''The EPEAT (Electronic Product Environmental Assessment Tool) program evaluates computer desktops, laptops, and monitors based on 51 environmental criteria developed through an extensive stakeholder consensus process supported by US EPA.

EPEAT system helps purchasers in the public and private sectors evaluate, compare and select desktop computers, notebooks and monitors based on their environmental attributes. EPEAT also provides a clear and consistent set of performance criteria for the design of products, and provides an opportunity for manufacturers to secure market recognition for efforts to reduce the environmental impact of its products.''

Benefits of EPEAT
Reduce use of primary materials.
Reduce use of toxic materials.

Avoid the disposal of hazardous waste EPEAT'S requirement that all registered products meet ENERGY STAR's energy efficiency specifications, means that these products will consume less energy throughout their life.

CE Declaration of Conformity

This product is in conformity with the following standards:

- EN60950-1:2006 (Safety requirement of Information Technology Equipment).
- EN55022:2006 (Radio Disturbance requirement of Information Technology Equipment).
- EN55024:1998+A1:2001+A2:2003 (Immunity requirement of Information Technology Equipment).
- EN61000-3-2:2006 (Limits for Harmonic Current Emission).
- EN61000-3-3:1995+A1:2001+A2:2005 (Limitation of Voltage Fluctuation and Flicker) following provisions of directives applicable.
- EN50581:2012 (Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances).
- EN50564:2011 (Electrical and electronic household and office equipment — Measurement of low power consumption).
- 2006/95/EC (Low Voltage Directive).
- 2004/108/EC (EMC Directive).
- 2009/125/EC (EuP Directive, EC No. 1275/2008 mplementing Directive for Standby and Off mode power consumption) and is produced by a manufacturing organization on ISO9000 level.
- 2011/65/EU (RoHS Directive)

The product also comply with the following standards:

- ISO9241-307:2008 (Ergonomic requirement, Analysis and compliance test methods for electronic visual displays).
- GS EK1-2000:2013 (GS mark requirement).

- prEN50279:1998 (Low Frequency Electric and Magnetic fields for Visual Display).

- MPR-II (MPR:1990:8/1990:10 Low Frequency Electric and Magnetic fields).

- TCO CERTIFIED (Requirement for Environment Labeling of Ergonomics, Energy, Ecology and Emission, TCO: Swedish Confederation of Professional Employees) for TCO versions.

Energy Star Declaration
(www.energystar.gov)

As an ENERGY STAR® Partner, we have determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

🖴 Note
We recommend you switch off the monitor when it is not in use for a long time.

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.

❶ 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.

FCC Declaration of Conformity

Declaration of Conformity for Products Marked with FCC Logo.

United States Only

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.

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.

EN 55022 Compliance (Czech Republic Only)

Polish Center for Testing and Certification Notice

The equipment should draw power from a socket with an attached protection circuit (a three-prong socket). All equipment that works together (computer, monitor, printer, and so on) should have the same power supply source.

The phasing conductor of the room's electrical installation should have a reserve short-circuit protection device in the form of a fuse with a nominal value no larger than 16 amperes (A).

To completely switch off the equipment, the power supply cable must be removed from the power supply socket, which should be located near the equipment and easily accessible.

A protection mark "B" confirms that the equipment is in compliance with the protection usage requirements of standards PN-93/T-42107 and PN-89/E-06251.

North Europe (Nordic Countries) Information

Placering/Ventilation
VARNING:
FÖRSÄKRA DIG OM ATT HUVUDBRYTARE
OCH UTTAG ÄR LÄTÅTKOMLIGA, NÄR
DU STÄLLER DIN UTRUSTNING PÅPLATS.

Placering/Ventilation
ADVARSEL:
SØRG VED PLACERINGEN FOR, AT
NETLEDNINGENS STIK OG STIKKONTAKT
ER NEMT TILGÆNGELIGE.

Paikka/Ilmankierto
VAROITUS:
SIJOITA LAITE SITEN, ETTÄ VERKKOJOHTO
VOIDAAN TARVITTAESSA HELPOSTI
IRROTTAA PISTORASIASTA.

Plassering/Ventilasjon
ADVARSEL:
NÅR DETTE UTSTYRET PLASSERES, MÅ
DU PASSE PÅ AT KONTAKTENE FOR
STØMTILFØRSEL ER LETTE Å NÅ.

BSMI Notice (Taiwan Only)

符合乙類資訊產品之標準

Ergonomie Hinweis (nur Deutschland)

Der von uns gelieferte Farbmonitor entspricht
den in der "Verordnung über den Schutz vor
Schäden durch Röntgenstrahlen" festgelegten
Vorschriften.

Auf der Rückwand des Gerätes befindet sich
ein Aufkleber, der auf die Unbedenklichkeit der
Inbetriebnahme hinweist, da die Vorschriften
über die Bauart von Störstrahlern nach Anlage
III ¤ 5 Abs. 4 der Röntgenverordnung erfüllt sind.

Damit Ihr Monitor immer den in der Zulassung
geforderten Werten entspricht, ist darauf zu
achten, daß.

1. Reparaturen nur durch Fachpersonal
   durchgeführt werden.

2. Nur original-Ersatzteile verwendet werden.

3. Bei Ersatz der Bildröhre nur eine
   bauartgleiche eingebaut wird.

Aus ergonomischen Gründen wird empfohlen,
die Grundfarben Blau und Rot nicht auf
dunklem Untergrund zu verwenden (schlechte
Lesbarkeit und erhöhte Augenbelastung bei zu
geringem Zeichenkontrast wären die Folge).
Der arbeitsplatzbezogene Schalldruckpegel
nach DIN 45 635 beträgt 70dB (A) oder
weniger.

⚠ ACHTUNG: BEIM AUFSTELLEN
DIESES GERÄTES DARAUF
ACHTEN, DAß NETZSTECKER UND
NETZKABELANSCHLUß LEICHT
ZUGÄNGLICH SIND.

China RoHS

The People's Republic of China released a regulation called "Management Methods for Controlling Pollution by Electronic Information Products" or commonly referred to as China RoHS. All products including CRT and Monitor which are produced and sold for China market have to meet China RoHS request.

中国大陆RoHS

根据中国大陆《电子信息产品污染控制管理办法》(也称为中国大陆RoHS)，以下部分列出了本产品中可能包含的有毒有害物质或元素的名称和含量

本表适用之产品

显示器（液晶及CRT）

有毒有害物质或元素

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
外壳	○	○	○	○	○	○
液晶显示屏/灯管	×	○	○	○	○	○
电路板组件	×	○	○	○	○	○
电源适配器	×	○	○	○	○	○
电源线/连接线	×	○	○	○	○	○

* ○：表示该有毒有害物质在该部件所有均质材料中的含量均在《电子信息产品中有毒有害物质的限量要求标准》规定的限量要求以下。

× ：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出《电子信息产品中有毒有害物质的限量要求标准》规定的限量要求；但是上表中打"×"的部件，符合欧盟RoHS法规要求（属于豁免的部分）。

 环保使用期限

此标识指期限(十年),电子信息产品中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变, 电子信息产品用户使用该电子信息产品不会对环境造成严重污染或对其人身、 财产造成严重损害的期限·

中国能源效率标识

根据中国大陆《能源效率标识管理办法》本显示器符合以下要求：

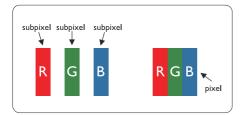| 能源效率(cd/W)	> 1.05
能效等级	1级
能效标准	GB 21520-2008

详细有关信息请查阅中国能效标识网：http://www.energylabel.gov.cn

《废弃电器电子产品回收处理管理条例》提示性说明

为了更好地关爱及保护地球，当用户不再需要此产品或产品寿命终止时，请遵守国家废弃电器电子产品回收处理相关法律法规，将其交给当地具有国家认可的回收处理资质的厂商进行回收处理。

8. Customer care and warranty

8.1 Philips' Flat Panel Monitors Pixel Defect Policy

Philips strives to deliver the highest quality products. We use some of the industry's most advanced manufacturing processes and practice stringent quality control. However, pixel or sub pixel defects on the TFT Monitor panels used in flat panel monitors are sometimes unavoidable. No manufacturer can guarantee that all panels will be free from pixel defects, but Philips guarantees that any monitor with an unacceptable number of defects will be repaired or replaced under warranty. This notice explains the different types of pixel defects and defines acceptable defect levels for each type. In order to qualify for repair or replacement under warranty, the number of pixel defects on a TFT Monitor panel must exceed these acceptable levels. For example, no more than 0.0004% of the sub pixels on a monitor may be defective. Furthermore, Philips sets even higher quality standards for certain types or combinations of pixel defects that are more noticeable than others. This policy is valid worldwide.

Pixels and Sub pixels
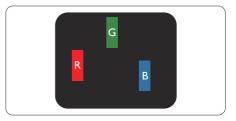
A pixel, or picture element, is composed of three sub pixels in the primary colors of red, green and blue. Many pixels together form an image. When all sub pixels of a pixel are lit, the three colored sub pixels together appear as a single white pixel. When all are dark, the three colored sub pixels together appear as a single black pixel. Other combinations of lit and dark

sub pixels appear as single pixels of other colors.

Types of Pixel Defects

Pixel and sub pixel defects appear on the screen in different ways. There are two categories of pixel defects and several types of sub pixel defects within each category.

Bright Dot Defects

Bright dot defects appear as pixels or sub pixels that are always lit or 'on'. That is, a bright dot is a sub-pixel that stands out on the screen when the monitor displays a dark pattern. There are the types of bright dot defects.

One lit red, green or blue sub pixel.

Two adjacent lit sub pixels:

-    Red + Blue = Purple
-    Red + Green = Yellow
-    Green + Blue = Cyan (Light Blue)

Three adjacent lit sub pixels (one white pixel).

🖶 Note

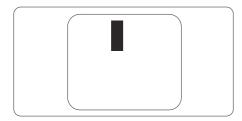A red or blue bright dot must be more than 50 percent brighter than neighboring dots while a green bright dot is 30 percent brighter than neighboring dots.
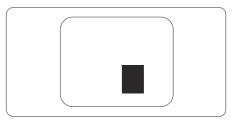
Black Dot Defects

Black dot defects appear as pixels or sub pixels that are always dark or 'off'. That is, a dark dot is a sub-pixel that stands out on the screen when the monitor displays a light pattern. These are the types of black dot defects.

Proximity of Pixel Defects

Because pixel and sub pixels defects of the same type that are near to one another may be more noticeable, Philips also specifies tolerances for the proximity of pixel defects.

Pixel Defect Tolerances

In order to qualify for repair or replacement due to pixel defects during the warranty period, a TFT Monitor panel in a Philips flat panel monitor must have pixel or sub pixel defects exceeding the tolerances listed in the following tables.

BRIGHT DOT DEFECTS	ACCEPTABLE LEVEL
1 lit subpixel	3
2 adjacent lit subpixels	1
3 adjacent lit subpixels (one white pixel)	0
Distance between two bright dot defects*	>15mm
Total bright dot defects of all types	3
BLACK DOT DEFECTS	ACCEPTABLE LEVEL
1 dark subpixel	5 or fewer
2 adjacent dark subpixels	2 or fewer
3 adjacent dark subpixels	0
Distance between two black dot defects*	>15mm
Total black dot defects of all types	5 or fewer
TOTAL DOT DEFECTS	ACCEPTABLE LEVEL
Total bright or black dot defects of all types	5 or fewer

🖶 Note

1. 1 or 2 adjacent sub pixel defects = 1 dot defect
2. This monitor is ISO9241-307 compliant (ISO9241-307: Ergonomic requirement,analysis and compliance test methods for electronic visual displays)

8.2 Customer Care & Warranty

For warranty coverage information and additional support requirement valid for your region, please visit www.philips.com/support website for details. You may also contact your local Philips Customer Care Center number listed below.

Contact Information for WESTERN EUROPE region:

Country	CSP	Hotline Number	Price	Opening hours
Austria	RTS	+43 0810 000206	€ 0.07	Mon to Fri : 9am - 6pm
Belgium	Ecare	+32 078 250851	€ 0.06	Mon to Fri : 9am - 6pm
Cyprus	Alman	800 92 256	Free of charge	Mon to Fri : 9am - 6pm
Denmark	Infocare	+45 3525 8761	Local call tariff	Mon to Fri : 9am - 6pm
Finland	Infocare	+358 09 2290 1908	Local call tariff	Mon to Fri : 9am - 6pm
France	Mainteq	+33 082161 1658	€ 0.09	Mon to Fri : 9am - 6pm
Germany	RTS	+49 01803 386 853	€ 0.09	Mon to Fri : 9am - 6pm
Greece	Alman	+30 00800 3122 1223	Free of charge	Mon to Fri : 9am - 6pm
Ireland	Celestica	+353 01 601 1161	Local call tariff	Mon to Fri : 8am - 5pm
Italy	Anovo Italy	+39 840 320 041 € 0.08	€ 0.08	Mon to Fri : 9am - 6pm
Luxembourg	Ecare	+352 26 84 30 00	Local call tariff	Mon to Fri : 9am - 6pm
Netherlands	Ecare	+31 0900 0400 063	€ 0.10	Mon to Fri : 9am - 6pm
Norway	Infocare	+47 2270 8250	Local call tariff	Mon to Fri : 9am - 6pm
Poland	MSI	+48 0223491505	Local call tariff	Mon to Fri : 9am - 6pm
Portugal	Mainteq	800 780 902	Free of charge	Mon to Fri : 8am - 5pm
Spain	Mainteq	+34 902 888 785	€ 0.10	Mon to Fri : 9am - 6pm
Sweden	Infocare	+46 08 632 0016	Local call tariff	Mon to Fri : 9am - 6pm
Switzerland	ANOVO CH	+41 02 2310 2116	Local call tariff	Mon to Fri : 9am - 6pm
United Kingdom	Celestica	+44 0207 949 0069	Local call tariff	Mon to Fri : 8am - 5pm

Contact Information for CENTRAL AND EASTERN EUROPE region:

Country	Call center	CSP	Consumer care number
Belarus	N/A	IBA	+375 17 217 3386 +375 17 217 3389
Bulgaria	N/A	LAN Service	+359 2 960 2360
Croatia	N/A	MR Service Ltd	+385 (01) 640 1111
Czech Rep.	N/A	Asupport	420 272 188 300
Estonia	N/A	FUJITSU	+372 6519900(General) +372 6519972(workshop)
Georgia	N/A	Esabi	+995 322 91 34 71
Hungary	N/A	Profi Service	+36 1 814 8080(General) +36 1814 8565(For AOC&Philips only)
Kazakhstan	N/A	Classic Service I.l.c.	+7 727 3097515
Latvia	N/A	ServiceNet LV	+371 67460399 +371 27260399
Lithuania	N/A	UAB Servicenet	+370 37 400160(general) +370 7400088 (for Philips)
Macedonia	N/A	AMC	+389 2 3125097
Moldova	N/A	Comel	+37322224035
Romania	N/A	Skin	+40 21 2101969
Russia	N/A	CPS	+7 (495) 645 6746
Serbia&Montenegro	N/A	Kim Tec d.o.o.	+381 11 20 70 684
Slovakia	N/A	Datalan Service	+421 2 49207155
Slovenia	N/A	PC H.and	+386 1 530 08 24
the republic of Belarus	N/A	ServiceBy	+ 375 17 284 0203
Turkey	N/A	Tecpro	+90 212 444 4 832
Ukraine	N/A	Topaz	+38044 525 64 95
	N/A	Comel	+380 5627444225

Contact Information for LATIN AMERICA region:

Country	Call center	Consumer care number
Brazil	Vermont	0800-7254101
Argentina		0800 3330 856

Contact Information for China:

Country	Call center	Consumer care number
China	PCCW Limited	4008 800 008

Contact Information for NORTH AMERICA :

Country	Call center	Consumer care number
U.S.A.	EPI - e-center	(877) 835-1838
Canada	EPI - e-center	(800)479-6696

Contact Information for APMEA region:

Country	ASP	Consumer care number	Opening hours
Australia	AGOS NETWORK PTY LTD	1300 360 386	Mon.~Fri. 9:00am-5:30pm
New Zealand	Visual Group Ltd.	0800 657447	Mon.~Fri. 8:30am-5:30pm
Hong Kong Macau	Company: Smart Pixels Technology Ltd.	Hong Kong: Tel: +852 2619 9639 Macau: Tel: (853)-0800-987	Mon.~Fri. 9:00am-6:00pm Sat. 9:00am-1:00pm
India	REDINGTON INDIA LTD	Tel: 1 800 425 6396 SMS: PHILIPS to 56677	Mon.~Fri. 9:00am-5:30pm
Indonesia	PT. CORMIC SERVISINDO PERKASA	+62-21-4080-9086 (Customer Hotline) +62-8888-01-9086 (Customer Hotline)	Mon.~Thu. 08:30-12:00; 13:00-17:30 Fri. 08:30-11:30; 13:00-17:30"
Korea	Alphascan Displays, Inc	1661-5003	Mon.~Fri. 9:00am-5:30pm Sat. 9:00am-1:00pm
Malaysia	R-Logic Sdn Bhd	+603 5102 3336	Mon.~Fri. 8:15am-5:00pm Sat. 8:30am-12:30am
Pakistan	TVONICS Pakistan	+92-213-6030100	Sun.~Thu. 10:00am-6:00pm
Singapore	Philips Singapore Pte Ltd (Philips Consumer Care Center)	(65) 6882 3966	Mon.~Fri. 9:00am-6:00pm Sat. 9:00am-1:00pm
Taiwan	FETEC.CO	0800-231-099	Mon.~Fri. 09:00 - 18:00
Thailand	Axis Computer System Co., Ltd.	(662) 934-5498	Mon.~Fri. 08:30am~05:30pm
South Africa	Computer Repair Technologies	011 262 3586	Mon.~ Fri. 08:00am~05:00pm
Israel	Eastronics LTD	1-800-567000	Sun.~Thu. 08:00-18:00

Vietnam	FPT Service Informatic Company Ltd. - Ho Chi Minh City Branch	+84 8 38248007 Ho Chi Minh City +84 5113.562666 Danang City +84 5113.562666 Can tho Province	Mon.~Fri. 8:00-12:00, 13:30-17:30 Sat. 8:00-12:00
Philippines	EA Global Supply Chain Solutions ,Inc.	(02) 655-7777; 6359456	Mon.~Fri. 8:30am~5:30pm
Armenia Azerbaijan Georgia Kyrgyzstan Tajikistan	Firebird service centre	+97 14 8837911	Sun.~Thu. 09:00 - 18:00
Uzbekistan	Soniko Plus Private Enterprise Ltd	+99871 2784650	Mon.~Fri. 09:00 - 18:00
Turkmenistan	Technostar Service Centre	+(99312) 460733, 460957	Mon.~Fri. 09:00 - 18:00
Japan	フィリップスモニター・サポートセンター	0120-060-530	Mon.~Fri. 10:00 - 17:00

9. Troubleshooting & FAQs

9.1 Troubleshooting

This page deals with problems that can be corrected by a user. If the problem still persists after you have tried these solutions, contact Philips customer service representative.

1 Common Problems

No Picture (Power LED not lit.)

• Make sure the power cord is plugged into the power outlet and into the back of the monitor.

• First, ensure that the power button on the front of the monitor is in the OFF position, then press it to the ON position.

No Picture (Power LED is White.)

• Make sure the computer is turned on.

• Make sure the signal cable is properly connected to your computer.

• Make sure the monitor cable has no bent pins on the connect side. If yes, repair or replace the cable.

• The Energy Saving feature may be activated.

Screen says

> Attention
>
> Check cable connection

• Make sure the monitor cable is properly connected to your computer. (Also refer to the Quick Start Guide).

• Check to see if the monitor cable has bent pins.

• Make sure the computer is turned on.

AUTO button doesn't function.

• The auto function is applicable only in VGA-Analog mode. If the result is not satisfactory, you can do manual adjustments via the OSD menu.

⊜ Note

The Auto Function is not applicable in DVI-Digital mode as it is not necessary.

Visible signs of smoke or sparks.

• Do not perform any troubleshooting steps.

• Disconnect the monitor from mains power source immediately for safety.

• Contact with Philips customer service representative immediately.

2 Imaging Problems

Image is not centered.

• Adjust the image position using the "Auto" function in OSD Main Controls.

• Adjust the image position using the Phase/Clock of Setup in OSD Main Controls. It is valid only in VGA mode.

Image vibrates on the screen.

• Check that the signal cable is properly securely connected to the graphics board or PC.

Vertical flicker appears.

• Adjust the image using the "Auto" function in OSD Main Controls.

• Eliminate the vertical bars using the Phase/Clock of Setup in OSD Main Controls. It is valid only in VGA mode.

28

Horizontal flicker appears.

- Adjust the image using the "Auto" function in OSD Main Controls.

- Eliminate the vertical bars using the Phase/ Clock of Setup in OSD Main Controls. It is valid only in VGA mode.

Image appears blurred, indistinct or too dark.

- Adjust the contrast and brightness on On-Screen Display.

An "after-image", "burn-in" or "ghost image" remains after the power has been turned off.

- Uninterrupted display of still or static images over an extended period may cause "burn in", also known as "after-imaging " or "ghost imaging", on your screen. "Burn-in", "after-imaging", or "ghost imaging" is a well-known phenomenon in Monitor panel technology. In most cases, the "burned in" or "after-imaging" or "ghost imaging" will disappear gradually over a period of time after the power has been switched off.

- Always activate a moving screen saver program when you leave your monitor unattended.

- Always activate a periodic screen refresh application if your Monitor will display unchanging static content.

- Severe "burn-in" or "after-image" or "ghost image" symptoms will not disappear and cannot be repaired. The damage mentioned above is not covered under your warranty.

Image appears distorted. Text is fuzzy or blurred.

- Set the PC's display resolution to the same mode as monitor's recommended screen native resolution.

Green, red, blue, dark, and white dots appears on the screen.

- The remaining dots are normal characteristic of the liquid crystal used in today's technology, Please refer the pixel policy for more detail.

9.2 General FAQs

Q1: **When I install my monitor what should I do if the screen shows 'Cannot display this video mode'?**

Ans.: Recommended resolution for this monitor: 1920 × 1080 @60Hz.

- Unplug all cables, then connect your PC to the monitor that you used previously.

- In the Windows Start Menu, select Settings/ Control Panel. In the Control Panel Window, select the Display icon. Inside the Display Control Panel, select the 'Settings' tab. Under the setting tab, in box labeled 'desktop area', move the sidebar to 1920 × 1080 pixels.

- Open 'Advanced Properties' and set the Refresh Rate to 60Hz, then click OK.

- Restart your computer and repeat step 2 and 3 to verify that your PC is set at 1920 × 1080 @60Hz.

- Shut down your computer, disconnect your old monitor and reconnect your Philips Monitor.

- Turn on your monitor and then turn on your PC.

Q2: **What is the recommended refresh rate for Monitor?**

Ans.: Recommended refresh rate in Monitors is 60Hz, In case of any disturbance on screen, you can set it up to 75Hz to see if that removes the disturbance.

Q3: **What are the .inf and .icm files on the CD-ROM? How do I install the drivers (.inf and .icm)?**

Ans.: These are the driver files for your monitor. Follow the instructions in your user manual to install the drivers. Your computer may ask you for monitor drivers (.inf and .icm files) or a driver disk when you first install your monitor. Follow the instructions to insert the (companion CD-ROM) included in this package. Monitor drivers (.inf and .icm files) will be installed automatically.

Q4: **How do I adjust the resolution?**

Ans.: Your video card/graphic driver and monitor together determine the available resolutions. You can select the desired resolution under Windows® Control Panel with the "Display properties".

Q5: **What if I get lost when I am making monitor adjustments via OSD?**

Ans.: Simply press the OK button, then select 'Reset' to recall all of the original factory settings.

Q6: **Is the LCD screen resistant to scratches?**

Ans.: In general it is recommended that the panel surface is not subjected to excessive shocks and is protected from sharp or blunt objects. When handling the monitor, make sure that there is no pressure or force applied to the panel surface side. This may affect your warranty conditions.

Q7: **How should I clean the LCD surface?**

Ans.: For normal cleaning, use a clean, soft cloth. For extensive cleaning, please use isopropyl alcohol. Do not use other solvents such as ethyl alcohol, ethanol, acetone, hexane, etc.

Q8: **Can I change the color setting of my monitor?**

Ans.: Yes, you can change your color setting through OSD control as the following procedures:

- Press "OK" to show the OSD (On Screen Display) menu

- Press "Down Arrow" to select the option "Color" then press "OK" to enter color setting, there are three settings as below.

30

1. Color Temperature; The six settings are 5000K, 6500K, 7500K, 8200K, 9300K and 11500K. With settings in the 5000K range the panel appears 'warm,' with a red-white color tone, while a 11500K temperature yields 'cool, blue-white toning."

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

3. User Define; the user can choose his/her preference color setting by adjusting red, green blue color.

⊜ Note:

A measurement of the color of light radiated by an object while it is being heated. This measurement is expressed in terms of absolute scale, (degrees Kelvin). Lower Kevin temperatures such as 2004K are red; higher temperatures such as 9300K are blue. Neutral temperature is white, at 6504K.

Q9: **Can I connect my Monitor to any PC, workstation or Mac?**

Ans.: Yes. All Philips Monitors are fully compatible with standard PCs, Macs and workstations. You may need a cable adapter to connect the monitor to your Mac system. Please contact your Philips sales representative for more information.

Q10: **Are Philips Monitors Plug-and- Play?**

Ans.: Yes, the monitors are Plug-and-Play compatible with Windows 7/Vista/XP/ NT, Mac OSX, Linux

Q11: **What is Image Sticking, or Image Burn-in, or After Image, or Ghost Image in Monitor panels?**

Ans.: Uninterrupted display of still or static images over an extended period may cause "burn in", also known as "after-imaging" or "ghost imaging", on your screen. "Burn-in", "after-imaging", or "ghost imaging" is a well-

known phenomenon in Monitor panel technology. In most cases, the "burned in" or "atter-imaging" or "ghost imaging" will disappear gradually over a period of time after the power has been switched off.

Always activate a moving screen saver program when you leave your monitor unattended.

Always activate a periodic screen refresh application if your Monitor will display unchanging static content.

⚠ Warning

Severe"burn-in" or "after-image" or "ghost image" symptoms will not disappear and cannot be repaired. The damage mentioned above is not covered under your warranty.

Q12: **Why is my Display not showing sharp text, and is displaying jagged characters?**

Ans.: Your Monitor works best at its native resolution of 1920 x 1080 @60Hz. For best display please use this resolution.