ЛОС

LCD Monitor User Manual E2460SD LED Backlight

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Safety

National Conventions

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 type or in italic type. These blocks are notes, cautions, and warnings, and they are used as follows:



NOTE: A NOTE indicates important information that helps you make better use of your computer system.



CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem. Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

Power

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.

A Do not overload power strips and extension cords. Overloading can result in fire or electric shock.

To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100 - 240V ~, Min. 5A

A The wall socket shall be installed near the equipment and shall be easily accessible.

For use only with the attached power adapter (Output 12Vdc) which have UL,CSA listed license (Only for monitors with power adapter).

Installation

Do not place the monitor on an unstable cart, stand, tripod, bracket, or table. If the monitor falls, it can injure a person and cause serious damage to this product. Use only a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with this product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. A product and cart combination should be moved with care.

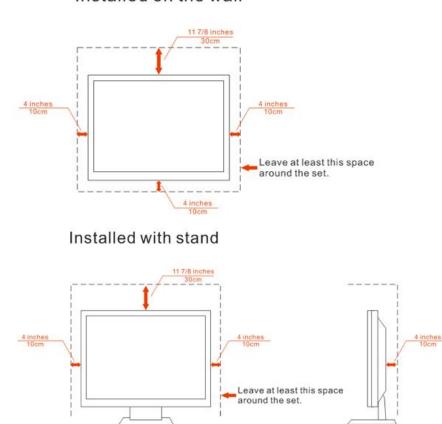
Never push any object into the slot on the monitor cabinet. It could damage circuit parts causing a fire or electric shock. Never spill liquids on the monitor.

Do not place the front of the product on the floor.

If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.

Leave some space around the monitor as shown below. Otherwise, air-circulation may be inadequate hence overheating may cause a fire or damage to the monitor.

See below the recommended ventilation areas around the monitor when the monitor is installed on the wall or on the stand:



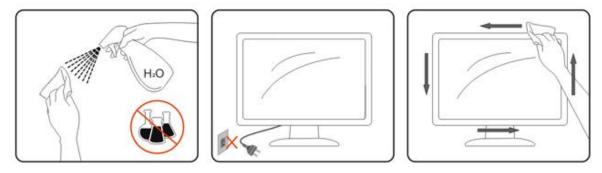
Installed on the wall

Cleaning

Clean the cabinet regularly with cloth. You can use soft-detergent to wipe out the stain, instead of strong-detergent which will cauterize the product cabinet.

When cleaning, make sure no detergent is leaked into the product. The cleaning cloth should not be too rough as it will scratch the screen surface.

Please disconnect the power cord before cleaning the product.



Other

If the product is emitting a strange smell, sound or smoke, disconnect the power plug IMMEDIATELY and contact a Service Center.

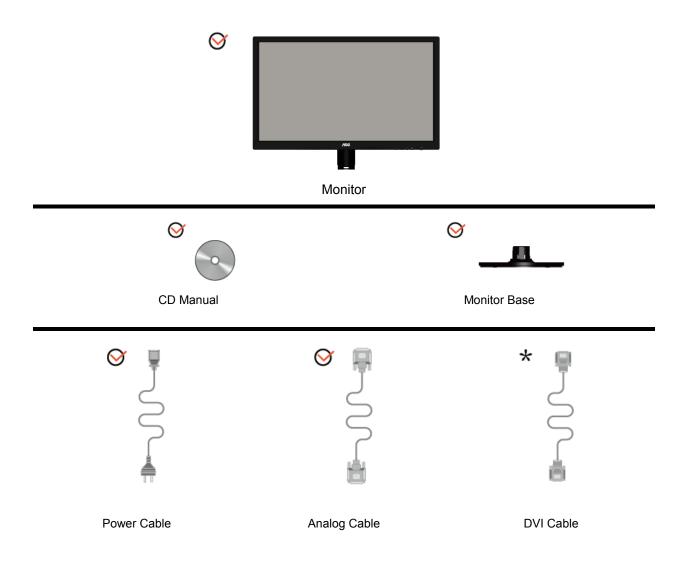
All Make sure that the ventilating openings are not blocked by a table or curtain.

LOD not engage the LCD monitor in severe vibration or high impact conditions during operation.

LO not knock or drop the monitor during operation or transportation.

Setup

Contents in Box

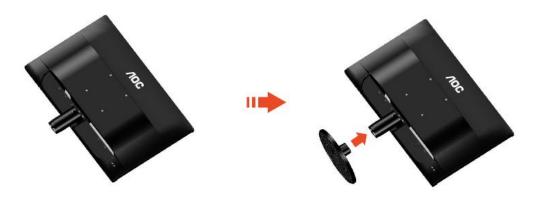


*Not all signal cables (Analog, DVI cables) will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

Setup Stand & Base

Please setup or remove the base following the steps as below.

Setup:



Remove:

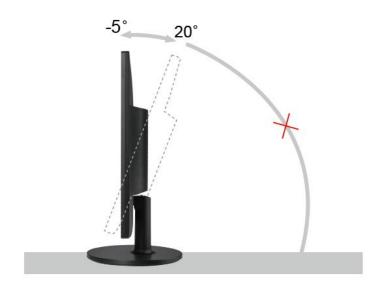


Adjusting Viewing Angle

For optimal viewing it is recommended to look at the full face of the monitor, then adjust the monitor's angle to your own preference.

Hold the stand so you will not topple the monitor when you change the monitor's angle.

You are able to adjust the monitor's angle from -5° to 20 °.





Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

Connecting the Monitor

Cable Connections In Back of Monitor and Computer:



- 1. Power
- 2. DVI cable
- 3. D-Sub cable

To protect equipment, always turn off the PC and LCD monitor before connecting.

- 1 Connect the power cable to the AC port on the back of the monitor.
- 2 Connect one end of the 15-pin DVI /D-Sub cable to the back of the monitor and connect the other end to the computer's DVI /D-Sub port.
- 3 Turn on your monitor and computer.

If your monitor displays an image, installation is complete. If it does not display an image, please refer Troubleshooting.

Wall Mounting

Preparing to Install An Optional Wall Mounting Arm.



This monitor can be attached to a wall mounting arm you purchase separately. Disconnect power before this procedure. Follow these steps:

- 1 Remove the base.
- 2 Follow the manufacturer's instructions to assemble the wall mounting arm.
- 3 Place the wall mounting arm onto the back of the monitor. Line up the holes of the arm with the holes in the back of the monitor.
- 4 Insert the 4 screws into the holes and tighten.
- 5 Reconnect the cables. Refer to the user's manual that came with the optional wall mounting arm for instructions on attaching it to the wall.

Noted : VESA mounting screw holes are not available for all models, please check with the dealer or official department of AOC.

Adjusting

Setting Optimal Resolution

Windows Vista

For Windows Vista:

- 1 Click START.
- 2 Click CONTROL PANEL.



3 Click Appearance and Personalization.



4 Click Personalization



5 Click Display Settings.



Set the resolution $\ensuremath{\textbf{SLIDE-BAR}}$ to 1920 by 1080.

fonitor	
Drag the icons to match your monitors.	Jdentify Monitors
2) this is my main monitor 2) Extend the Seditop ants this monitor	a services
Multiple Monitors) on NVIDIA Gefore June a my main monitor General the desistop antia the monitor Beseld Low	6000 LE (Microsoft Corporation
2) This is my main monitor 2) Extend the deditop ants this monitor Besolvers	Colore

Windows XP

For Windows XP:

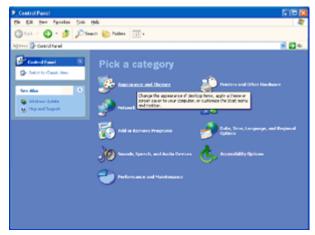
1 Click START.



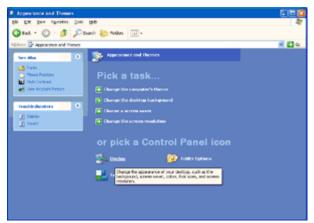
2 Click SETTINGS.

3 Click CONTROL PANEL.

4 Click Appearance and Themes.

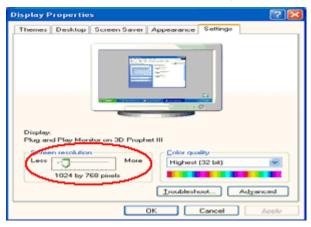


5 Double click **DISPLAY.**



6 Click SETTINGS.

7 Set the resolution **SLIDE-BAR** to 1920 by 1080.



Windows ME/2000

For Windows ME/2000:

- 1 Click START.
- 2 Click SETTINGS.
- 3 Click CONTROL PANEL.
- 4 Double click **DISPLAY.**
- 5 Click SETTINGS.
- 6 Set the resolution **SLIDE-BAR** to 1920 by 1080.

Windows 8

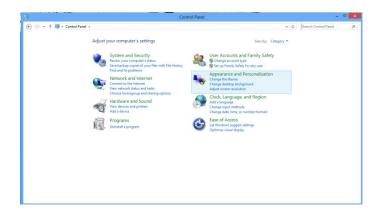
For Windows 8:

1. Right click and click **All apps** at the bottom-right of the screen.

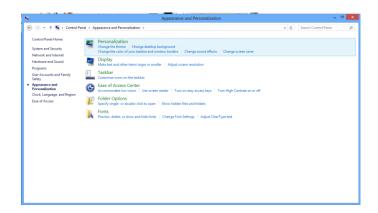


Apps				
b Brg	Rester		WordPad	😥 Computer
Ceendar	Soone	Catalator	XPS Vener	Control Panel
Camera	💽 Sports	Character Map		Deduit Programs
Destrop	a stee	Math read Panel	Nagetter	The Equivor
anarce Finance	Teel I	Notepad	Namator	2 Help and Support
Games	Las Viaso	ant 🚳	Cin-Screen Reyboard	and the second s
esternet Explorer	Weather	Remote Desistop Convection	Windows Speech Recognition	Test Manager
🖂 Mil		Shipping Tool		Windows Defender
Maps			(FUNITH	Windows Law Turkfer
Messaging		Steps Recorder	GPUVew Help	Windows Eavy Transfer Reports
CO Malk		Stoty Notes	Windows Performance.	Windows Preershell
Reas		Windows Fax and Scan	Windows Performance.	
People		Windows Journal		
Press		Windows Media Piever	Convenant Prompt	

- 2. Set the "view by" to "Category".
- 3. Click Appearance and Personalization.



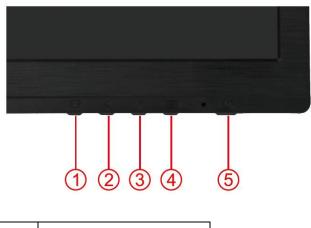
4. Click **DISPLAY.**



5. Set the resolution SLIDE-BAR to 1920x1080 or 2560x1080.

		Screen Resolution			
) 🛞 👻 🕈 🦉 > Control Panel > Appearanc		Entry - Scree Residen earance of your display	* C	Search Control Panel	م ر
	Display: Resolution: Orientation: Make text and othe What display settin	1.5027054 v			
		OK Cencel Apply			

Hotkeys



1	Source/Auto/Exit
2	Eco (DCR)
3	4:3 or Wide/+
4	Menu/Enter
5	Power

UPower

Press the Power button to turn on/off the monitor.

Menu/Enter

Press to display the OSD or confirm the selection.

< Eco (DCR)

Press the Eco key continuously to select the Eco mode of brightness and DCR on when there is no OSD. (Eco mode hot key may not be available in all models).

> 4:3 or Wide

When there is no OSD, press + continuously to change 4:3 or wide image ratio. (If the product screen size is 4:3 or input signal resolution is wide format, the hot key is disable to adjust.)

+ Auto / Exit

When the OSD is closed, press Auto/Source/Exit button continuously about 2 second to do auto configure (only for the models with dual or more inputs). When the OSD is closed, press Auto/Source/Exit button will be Source hot key function (Only for the models with dual or more inputs).

OSD Setting

Basic and simple instruction on the control keys.



- 1) Press the III MENU-button to activate the OSD window.
- Press < or > to navigate through the functions. Once the desired function is highlighted, press the III
 MENU-button to activate it . press < or > to navigate through the sub-menu functions. Once the desired function is highlighted, press IIII MENU-button to activate it.
- 3) Press < or > to change the settings of the selected function. Press + AUTO to exit. If you want to adjust any other function, repeat steps 2-3.
- 4) OSD Lock Function: To lock the OSD, press and hold the IM MENU button while the monitor is off and then press U power button to turn the monitor on. To un-lock the OSD press and hold the IM MENU button while the monitor is off and then press U power button to turn the monitor on.

Notes:

- 1) If the product has only one signal input, the item of "Input Select" is disable to adjust.
- 2) If the product screen size is 4:3 or input signal resolution is wide format, the item of "Image Ratio" is disable to adjust.
- One of DCR, Color Boost, and Picture Boost functions is active, the other two function is turned off accordingly.

Luminance



1. Press III (Menu) to display menu.



2. Press < or > to select (Luminance), and press (IIII) to enter.



3. Press < or > to select submenu, and press III to enter.



4. Press < or > to adjust.



5. Press 🛨 to exit.

	Brightness	0-100		Backlight Adjustment
	Contrast	0-100		Contrast from Digital-register.
		Standard	>	Standard Mode
		Text	T	Text Mode
	Eco mode	Internet	E	Internet Mode
1		Game	****	Game Mode
N.		Movie	Ø	Movie Mode
		Sports	3:	Sports Mode
		Gamma1		Adjust to Gamma1
	Gamma	Gamma2		Adjust to Gamma 2
		Gamma3		Adjust to Gamma 3
		Off		Disable dynamic contrast ratio
	DCR	On	DCR	Enable dynamic contrast ratio

Image Setup



1. Press III (Menu) to display menu.



2. Press < or > to select (Image Setup), and press III to enter.

	-		×	4	
Plan -		=:			
Interest .	,	IOC			
				-19	de Trace

3. Press < or > to select submenu, and press III to enter.



4. Press < or > to adjust.



5. Press 🛨 to exit.

Clock	0-100	Adjust picture Clock to reduce Vertical-Line noise.
Phase	0-100	Adjust Picture Phase to reduce Horizontal-Line noise
Sharpness	0-100	Adjust picture sharpness
 H.Position	0-100	Adjust the horizontal position of the picture.
V.Position	0-100	Adjust the vertical position of the picture.

Color Setup



1. Press III (Menu) to display menu.



2. Press < or > to select (Color Setup), and press III to enter.

_		-		
		-		
		100		
			A	
			1h	5

3. Press < or > to select submenu, and press III to enter.



4. Press < or > to adjust.



5. Press 🛨 to exit.

	Warm		Recall Warm Color Temperature from EEPROM.
	Normal		Recall Normal Color Temperature from EEPROM.
	Cool		Recall Cool Color Temperature from EEPROM.
Color setup.	sRGB		Recall SRGB Color Temperature from EEPROM.
	User	Red	Red Gain from Digital-register
		Green	Green Gain Digital-register.
		Blue	Blue Gain from Digital-register
	Full Enhance	on or off	Disable or Enable Full Enhance Mode
	Nature Skin	on or off	Disable or Enable Nature Skin Mode
DCB Mode	Green Field	on or off	Disable or Enable Green Field Mode
	Sky-blue	on or off	Disable or Enable Sky-blue Mode
	AutoDetect	on or off	Disable or Enable AutoDetect Mode
DCB Demo		On or off	Disable or Enable Demo

Picture Boost



1. Press III (Menu) to display menu.



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Piece data		-	V. Pastier	
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3. Press < or > to select submenu, and press 1 to enter.



4. Press < or > to adjust.



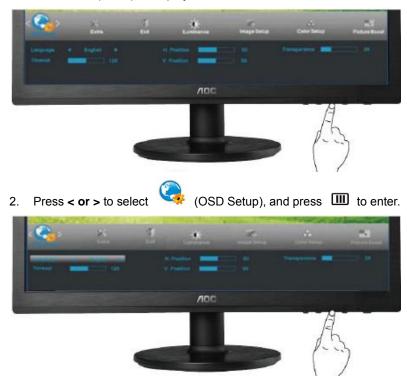
5. Press 🛨 to exit.

	Frame Size	14-100	Adjust Frame Size
	Brightness 0-100		Adjust Frame Brightness
	Contrast	0-100	Adjust Frame Contrast
•	H. position	0-100	Adjust Frame horizontal Position
	V.position	0-100	Adjust Frame vertical Position
	Bright Frame	on or off	Disable or Enable Bright Frame

OSD Setup



1. Press III (Menu) to display menu.



3. Press < or > to select submenu, and press III to enter.



4. Press < or > to adjust.



5. Press 🛨 to exit.

	H.Position	0-100	Adjust the horizontal position of OSD
	V.Position	0-100	Adjust the vertical position of OSD
	Timeout	5-120	Adjust the OSD Timeout
	Transparence	0-100	Adjust the transparence of OSD
	Language		Select the OSD language

Extra



1. Press 🛄 (Menu) to display menu.



2. Press < or > to select \swarrow (Extra), and press \blacksquare to enter.



3. Press < or > to select submenu, and press 1 to enter.



4. Press < or > to adjust.



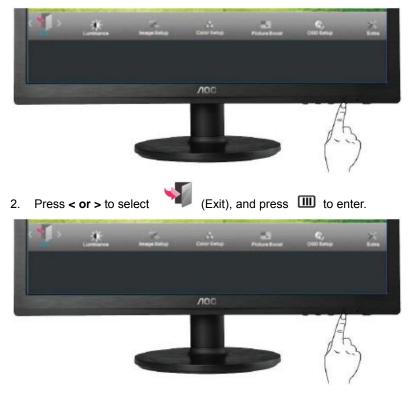
5. Press 🛨 to exit.

	Input Select	Analog	Select Analog Sigal Source as Input
	Auto Config	yes or no	Auto adjust the picture to default
21	Off timer	0-24hrs	Select DC off time
	Image Ratio	wide or 4:3	Select wide or 4:3 format for display
	DDC-CI	yes or no	Turn ON/OFF DDC-CI Support
	Reset	Yes or no	Reset the menu to default
	Information		Show the information of the main image and sub-image source

Exit



1. Press 🛄 (Menu) to display menu.



3. Press to exit.

Exit		Exit the main OSD
------	--	-------------------

LED Indicator

Status	LED Color	
Full Power Mode	Green or Blue	0
Active-off Mode	Orange or red	0

Driver

Monitor Driver

Windows 8

- 1. Start Windows® 8
- 2. Right click and click All apps at the bottom-right of the screen.
- 3. Set the "View by" to "Large icons" or "Small icons".
- 4. Click on the "Display" icon.
- 5. Click on the "Change display settings" button.
- 6. Click the "Advanced Settings" button.
- 7. Click the "Monitor" tab and then click the "Properties" button.
- 8. Click the "Driver" tab.
- 9. Open the "Update Driver Software-Generic PnP Monitor" window by clicking on "Update Driver... " and then click the "Browse my computer for driver software" button.
- 10. Select "Let me pick from a list of device drivers on my computer".
- 11. Click the **"Have Disk"** button. Click on the **"Browse"** button and navigate to the following directory: X:\Driver\module name (where X is the drive letter designator for the CD-ROM drive).
- 12. Select the "xxx.inf" file and click the "Open" button. Click the "OK" button.
- 13. Select your monitor model and click the "**Next**" button. The files will be copied from the CD to your hard disk drive.
- 14. Close all open windows and remove the CD.
- 15. Restart the system. The system will automatically select the maximum refresh rate and corresponding Color Matching Profiles.

Windows 7

1.Start Windows® 7

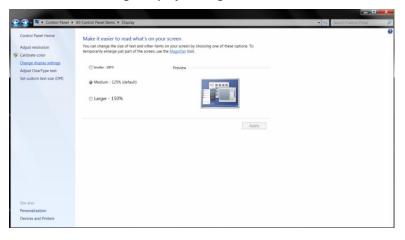
2.Click on the 'Start' button and then click on 'Control Panel'.



3. Click on the 'Display' icon.

Que Ansagement Chrodetal Management Chrodetal Management Oble And Time Obletal Management Decktop Gadgets Decines Management Decines Management Decines Management Decines Management Decktop Gadgets Decines Management Foreira Obletant Constant Decines Management Stand Access Center Foreira Obletant A tomic Constant Decines Management Stand Access Center Abletant Opposition Teament Opposition A tomic Center Note Access Center Stand Access Deriver Management Attenvict and Naming Center Microbian Access Centers P new Cascin Proformaces Information and Tools Ferensalization A theore and Modem P new Cascin P new Cascin Standard Edus and Decisor Centerics Security Reconsport P new Cascin Security Standard Edus and Standard Management Gaderard Management Security P new Cascin Security Standard Edus and Standard Management Security P new Cascin Security Security Standard Decisor Centerics Sound Obletant Addard Management Security Security Security System	Action Center	C Administrative Tools	AutoPlay	😕 Backup and Restore	
Sens of Access Center Folder Options Fonds Genting Started Solution Offer Senso Access Center Fonds offer Senso Konson Solution And Other Senso Musae Feterola Starting Center Michication Area Ison Motion Other Senso Musae Feterola Starting Center Michication Area Ison Motion Accement Information and Tables Feterola Starting Center Prome and Modern Performance Information and Tables Feterola Convertions Prome and Modern Renderskep and Deators Convections Sound Speech Recognition System Tablet PC Sensing Tablets PC Sensing Tablets PC Sensing System Tablet PC Sensing Tablets Moden Acting Totablethootting System Speech Recognition System Recognition System Recognition	Color Management	Credential Manager	Tate and Time	🕐 Default Programs	
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Senetekop and Destep Connections Sound Sou	Performance Information and Tools	Personalization	Phone and Modern	Power Options	
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💐 User Accounts 🖉 Windows Anytime Upgrade 🙀 Windows CardSpace 🙀 Windows Defender	RemoteApp and Desktop Connections	Sound	Ø Speech Recognition	Sync Center	
	System	Tablet PC Settings	Taskbar and Start Menu	Troubleshooting	
🔮 Windows Firewall 🛛 👻 Windows Update	User Accounts	Sundows Anytime Upgrade	Windows CardSpace	Windows Defender	
	Windows Firewall	a Windows Update			

4.Ckick on the "Change display settings" button.



5.Click the "Advanced Settings" button.

📀 🌍 - 📮 🕨 Control Panel 🕨 All Control Panel	Rems + Display + Screen Resolution	• + Search Central Panel P
	Change the appearance of your display Detect Benety	
	Display: L. Nolda Default Rist Print Percolution: 1500 + 1080 (eccnmended)	01
	Make text and other items larger or smaller What display settings should I choose?	
	OK Cencel Apply	

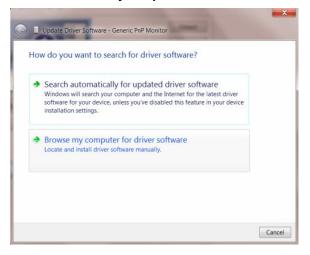
6.Click the "Monitor" tab and then click the "Properties" button.

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apter	Monitor	Troublesho	ot Color N	Aanagem	ent 🕙 G	eForce 9100M	G
Monit	or Type						
	Gene	ic PnP Moni	tor				
0							_
					- 😽	Properties	
Monit	or Settings						
	2						
	en refresh	rate:					
60 H	ertz					-	
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Clear canno damo	ing this ch ot display aged hard	correctly. Th	ws you to s	elect disp		that this monito lay and/or	or
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7.Click the "Driver" tab.

and a second sec	Driver Details	
	Generic PnP Mo	nitor
	Driver Provider.	Microsoft
	Driver Date:	6/21/2006
	Driver Version:	6.1.7600.16385
	Digital Signer:	Microsoft Windows
Driv	ver Details	To view details about the driver files.
Upd	ate Driver	To update the driver software for this device.
Roll	Back Driver	If the device fails after updating the driver, roll back to the previously installed driver.
[Disable	Disables the selected device.
Ĺ	Ininstall	To uninstall the driver (Advanced).

8. Open the "Update Driver Software-Generic PnP Monitor" window by clicking on "**Update Driver...** "and then click the **"Browse my computer for driver software"** button.



9. Select "Let me pick from a list of device drivers on my computer".



10. Click the **"Have Disk"** button. Click on the **"Browse"** button and navigate to the following directory: X:\Driver\module name (where X is the drive letter designator for the CD-ROM drive).



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12. Select your monitor model and click the "**Next**" button. The files will be copied from the CD to your hard disk drive.

13. Close all open windows and remove the CD.

14. Restart the system. The system will automatically select the maximum refresh rate and corresponding Color Matching Profiles.

Windows Vista

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Command Pryingt	Control Fand	1	<u>a</u>	Programs: Oneside a program Change diaffae programs	Additional Options
 Al Program Durt facest 	Help and Support	Provide and the second			

1. Click "Start " and "Control Panel". Then, double-click on "Appearance and Personalization".

2. Click "Personalization" and then "Display Settings".



3. Click "Advanced Settings ... ".



4. Click "Properties" in the "Monitor" tab. If the "Properties" button is deactivated, it means the configuration for your monitor is completed. The monitor can be used as is.

If the message "Windows needs..." is displayed, as shown in the figure below, click "Continue".



5. Click "Update Driver..." in the "Driver" tab.

neric PriP Monitor Properties	Generic PriP Monitor Properties
Genetic PhP Monitor	General Prime (Detain)
Device type: Monitors Manufacturer: (Standard monitor types) Location: on IV/DIA GeForce 6600 LE (Microsoft Corpo Device status	Driver Provider: Microsoft Driver Date: 6/21/2006 Driver Version: 6.0.6000.16386 Digital Signer: microsoft windows
This device is working property.	Driver Details To vew details about the driver files. Ubdate Driver To update the driver rollware for this device. Boll Back Driver If the device fails after updating the driver, roll back to the previously installed driver. Deable Deables the selected driver.
OK Cancel	Uninitial To uninitial the driver (Advanced).

6. Check the "Browse my computer for driver software" checkbox and click "Let me pick from a list of device drivers on my computer".



7. Click on the 'Have disk...' button, then click on the 'Browse...' button and then select the appropriate drive F:\Driver (CD-ROM Drive).

8. Select your monitor model and click on the 'Next' button.

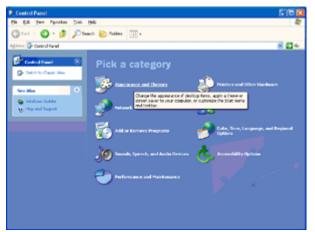
9. Click "Close" \rightarrow "Close" \rightarrow "OK" \rightarrow "OK" on the following screens displayed in sequence.

Windows XP

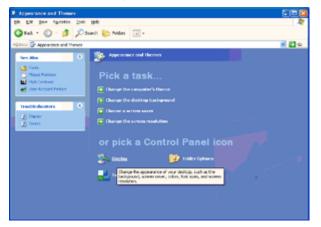
- 1. Start Windows® XP
- 2. Click on the 'Start' button and then click on 'Control Panel'.



3. Select and click on the category "Appearance and Themes'



4. Click on the 'Display' Item.



5. Select the 'Settings' tab then click on the 'Advanced' button.

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Themes Desktop	Screen Saver Appearance Settin	90
Display:	etor on 3D Prophet III	
 Screen resolution 		
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1024 by 7	CO pixele	
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	OK Cance	- daak

- 6. Select 'Monitor' tab
- If the 'Properties' button is inactive, it means your monitor is properly configured. Please stop installation.
- If the 'Properties' button is active, click on 'Properties' button.

Please follow the steps below.

g and Play Monito	or and 3D Prophet III P	Properties 💦 😰
GeForce3	Selection	Color Correction
ieneral Adapter	Monitor Troubleshool	Color Managemen
Monitor type Plug and Play	y Monitor	Properties
Monitor settings		
Screen refresh rate:		
60 Hertz		~
	ox allows you to select displa y correctly. This may lead to dware.	

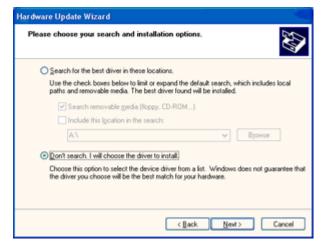
7. Click on the 'Driver' tab and then click on 'Update Driver...' button.

Plug and Play Monitor Properties 🛛 😨 🔀	
General Driver	Plug and Play Monitor Properties
Plug and Play Monitor	General Driver
Device type: Monitors	Plug and Play Monitor
Manufacturer: (Standard monitor types)	Driver Provider: Microsoft
Location: on 3D Prophet III	Driver Date: 6/6/2001
Device status	Driver Version: 5.1.2001.0
This device is working properly.	Digital Signer: Microsoft Windows XP Publisher
If you are having problems with this device, click Troubleshoot to start the troubleshooter.	Driver Details To view details about the driver files.
	Ugdate Driver To update the driver for this device.
Iroubleshoot	Boll Baok Driver If the device fails after updating the driver, roll back to the previously installed driver.
Device usage: Use this device (enable)	Uninatal To uninatal the driver (Advanced).
OK Cancel	OK Cancel

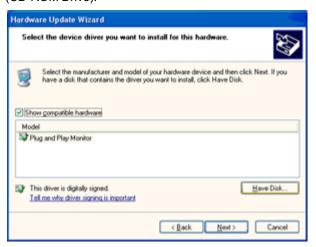
8. Select the 'Install from a list or specific location [advanced]' radio button and then click on the 'Next' button.



9. Select the 'Don't Search. I will choose the driver to install' radio button. Then click on the 'Next' button.



10. Click on the 'Have disk...' button, then click on the 'Browse...' button and then select the appropriate drive F: (CD-ROM Drive).



11. Click on the 'Open' button, then click the 'OK' button.

12. Select your monitor model and click on the 'Next' button.

- If you can see the 'has not passed Windows® Logo testing to verify its compatibility with Windows® XP' message, please click on the 'Continue Anyway' button.

13. Click on the 'Finish' button then the 'Close' button.

14. Click on the 'OK' button and then the 'OK' button again to close the Display Properties dialog box.

Windows 2000

- 1. Start Windows® 2000
- 2. Click on the 'Start' button, point to 'Settings', and then click on 'Control Panel'.
- 3. Double click on the 'Display' Icon.
- 4. Select the 'Settings' tab then click on 'Advanced...'.
- 5. Select 'Monitor'
- If the 'Properties' button is inactive, it means your monitor is properly configured. Please stop installation.
- If the 'Properties' button is active. Click on 'Properties' button. Please follow the steps given below.
- 6. Click on 'Driver' and then click on 'Update Driver...' then click on the 'Next' button.
- 7. Select 'Display a list of the known drivers for this device so that I can choose a specific driver', then click on 'Next' and then click on 'Have disk...'.
- 8. Click on the 'Browse...' button then select the appropriate drive F: (CD-ROM Drive).
- 9. Click on the 'Open' button, then click on the 'OK' button.
- 10. Select your monitor model and click on the 'Next' button.
- 11. Click on the 'Finish' button then the 'Close' button.

If you can see the 'Digital Signature Not Found' window, click on the 'Yes' button.

Windows ME

- 1. Start Windows® Me
- 2. Click on the 'Start' button, point to 'Settings', and then click on 'Control Panel'.
- 3. Double click on the 'Display' Icon.
- 4. Select the 'Settings' tab then click on 'Advanced...'.
- 5. Select the 'Monitor' button, then click on 'Change...' button.
- 6. Select 'Specify the location of the driver(Advanced)' and click on the 'Next' button.
- 7. Select 'Display a list of all the drivers in a specific location, so you can choose the driver you want', then click on 'Next' and then click on 'Have Disk...'.
- 8. Click on the 'Browse...' button, select the appropriate drive F: (CD-ROM Drive) then click on the 'OK' button.
- 9. Click on the 'OK' button, select your monitor model and click on the 'Next' button.
- 10. Click on 'Finish' button then the 'Close' button.

i-Menu



Welcome to "i-Menu" software by AOC. i-Menu makes it easy to adjust your monitor display setting by using on screen menus instead of the OSD button on the monitor. To complete installation, please follow the installation guide.

i-Menu	Lumina	ince	98
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Contr	ast 50	🔆 Brightness	50
γ Gamn	ia 🛛 4 Gamma 1 🕨	💠 Eco Mode	∢ ☑ ▶
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e-Saver

C-saver

Welcome to use AOC e-Saver monitor power management software! The AOC e-Saver features Smart Shutdown functions for your monitors, allows your monitor to timely shutdown when PC unit is at any status (On, Off, Sleep or Screen Saver); the actual shutdown time depends on your preferences (see example below). Please click on "driver/e-Saver/setup.exe" to start installing the e-Saver software, follow the install wizard to complete software installation.

Under each of the four PC status, you may choose from the pull-down menu the desired time (in minutes) for your monitor to automatically shutdown. The example above illustrated:

- 1) The monitor will never shutdown when the PC is powered on.
- 2) The monitor will automatically shutdown 5 minutes after the PC is powered off.
- 3) The monitor will automatically shutdown 10 minutes after the PC is in sleep/stand-by mode.
- 4) The monitor will automatically shutdown 20 minutes after the screen saver appears.



You can click "RESET" to set the e-Saver to its default settings like below.



Screen+



Welcome to "Screen+" software by AOC, Screen+ software is a desktop screen splitting tool, it splits the desktop into different panes, each pane displays a different window. You only need to drag the window to a corresponding pane, when you want to access it. It supports multiple monitor display to make your task easier. Please follow the installation software to install it.



Troubleshoot

Problem & Question	Possible Solutions
Power LED Is Not ON	Make sure the power button is ON and the Power Cord is properly connected to a grounded power outlet and to the monitor.
No images on the screen	 Is the power cord connected properly? Check the power cord connection and power supply. Is the cable connected correctly? (Connected using the D-sub cable) Check the DB-15 cable connection. (Connected using the DVI cable) Check the DVI cable connection. * DVI input is not available on every model. If the power is on, reboot the computer to see the initial screen (the login screen), which can be seen. If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows ME/XP/2000) and then change the frequency of the video card. (Refer to the Setting the Optimal Resolution) If the initial screen (the login screen) does not appear, contact the Service Center or your dealer. Can you see "Input Not Supported" on the screen? You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly. Adjust the maximum resolution and frequency that the monitor can handle properly. Make sure the AOC Monitor Drivers are installed.
Picture Is Fuzzy & Has Ghosting Shadowing Problem	Adjust the Contrast and Brightness Controls. Press to auto adjust. Make sure you are not using an extension cable or switch box. We recommend plugging the monitor directly to the video card output connector on the back.
Picture Bounces, Flickers Or Wave Pattern Appears In The Picture	Move electrical devices that may cause electrical interference as far away from the monitor as possible. Use the maximum refresh rate your monitor is capable of at the resolution your are using.
Monitor Is Stuck In Active Off-Mode"	The Computer Power Switch should be in the ON position. The Computer Video Card should be snugly fitted in its slot. Make sure the monitor's video cable is properly connected to the computer. Inspect the monitor's video cable and make sure no pin is bent. Make sure your 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 no pin is damaged. Make sure the monitor's video cable is properly connected to the computer.
Screen image is not centered or sized properly	Adjust H-Position and V-Position or press hot-key (AUTO).
Picture has color defects (white does not look white)	Adjust RGB color or select desired color temperature.
Horizontal or vertical disturbances on the screen	Use Windows 95/98/2000/ME/XP shut-down mode Adjust CLOCK and FOCUS. Press to auto-adjust.

Specification

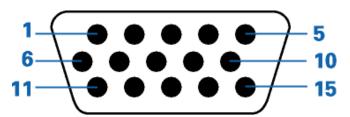
General Specification

	Model name	E2460SD		
	Driving system	TFT Color LCD		
	Viewable Image Size	61.0 cm diagonal		
Devel	Pixel pitch	0. 27675 mm(H) x 0. 27675 mm(V)		
Panel	Video	R, G, B Analog Interface	9	
	Separate Sync.	H/V TTL		
	Display Color	16.7M Colors		
	Dot Clock	165 MHz		
	Horizontal scan range	30 kHz - 83 kHz		
	Horizontal scan Size(Maximum)	531.36 mm		
	Vertical scan range	50 Hz - 76 Hz		
	Vertical scan Size(Maximum)	298.89 mm		
	Optimal preset resolution	1920 x 1080 (60 Hz)		
	Plug & Play	VESA DDC2B		
Resolution	Input Connector	D-Sub 15 pin, DVI-D		
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM, Positive & DVI-E Digital Interface		
	Power Source	100-240V~, 50/60Hz		
	Power Consumption	Active 27 W		
	Power Consumption	Standby < 0.5 W		
	Off timer	0~24 hrs		
	Connector Type	15-pin Mini D-Sub , DVI-D		
	Signal Cable Type	Detachable		
Physical		Height (with base)	411.55 mm	
Characteristics	Dimensions & Weight	Width	565.4 mm	
		Depth	219.3 mm	
		Weight (monitor only)	4.44 kg	
	Temperature	Operating	0° to 40°	
		Non-Operating	-25°to 55°	
Environmental	Humidity	Operating	10% to 85% (non-condensing)	
Livionnendi		Non-Operating	5% to 93% (non-condensing)	
	Altitude	Operating	0~ 3658m (0~ 12000 ft)	
		Non-Operating	0~ 12192m (0~ 40000 ft)	

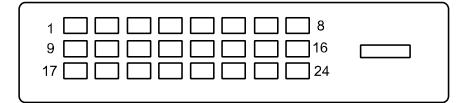
Preset Display Modes

STAND	RESOLUTION	HORIZONTAL FREQUENCY(kHZ)	VERTICAL FREQUENCY(Hz)
	640×480 @60Hz	31.469	59.94
VGA	640×480 @72Hz	37.861	72.809
	640×480 @75Hz	37.5	75
	800×600 @56Hz	35.156	56.25
SVGA	800×600 @60Hz	37.879	60.317
SVGA	800×600 @72Hz	48.077	72.188
	800×600 @75Hz	46.875	75
	1024×768 @60Hz	48.363	60.004
XGA	1024×768 @70Hz	56.476	70.069
	1024×768 @75Hz	60.023	75.029
SXGA	1280×1024@60Hz	63.981	60.02
SAGA	1280×1024@75Hz	79.976	75.025
WXGA+	1440×900 @60Hz	55.935	59.887
WAGA+	1440×900 @60Hz	55.469	59.901
WSXGA	1680×1050 @60Hz	65.29	59.954
HD	1920×1080 @60Hz	67.5	60
***	1280×720@60Hz	45	60
***	1280×960@60Hz	60	60
IBM-MODE DOS	720×400@70Hz	31.469	70.087
	640×480@67Hz	35	66.667
MAC-MODEVGA	832×624@75Hz	49.725	74.5

Pin Assignments



Pin Number	15-Pin Side of the Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	Ground
5	Detect Cable
6	GND-R
7	GND-G
8	GND-B
9	+5V
10	Ground
11	Ground
12	DDC-Serial data
13	H-sync
14	V-sync
15	DDC-Serial clock



Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
1.	TMDS Data 2-	9.	TMDS Data 1-	17.	TMDS Data 0-
2.	TMDS Data 2+	10.	TMDS Data 1+	18.	TMDS Data 0+
3.	TMDS Data 2/4 Shield	11.	TMDS Data 1/3 Shield	19.	TMDS Data 0/5 Shield
4.	TMDS Data 4- / N.C.	12.	TMDS Data 3- / N.C.	20.	TMDS Data 5- / N.C.
5.	TMDS Data 4+ / N.C.	13.	TMDS Data 3+ / N.C.	21.	TMDS Data 5+ / N.C.
6.	DDC Clock	14.	+5V Power	22.	TMDS Clock Shield
7.	DDC Data	15.	DVI Cable Detect	23.	TMDS Clock +
8.	N.C.	16.	Hot Plug Detect	24.	TMDS Clock -

Plug and Play

Plug & Play DDC2B Feature

This monitor is equipped with VESA DDC2B 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 DDC2B is a bi-directional data channel based on the I2C protocol. The host can request EDID information over the DDC2B channel.

Regulation

FCC Notice

FCC Class B Radio Frequency Interference Statement WARNING: (FOR FCC CERTIFIED MODELS)

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.

NOTICE :

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference. It is the responsibility of the user to correct such interference.

WEEE Declaration

Disposal of Waste Equipment by Users in Private Household in the European Union.



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product .



Service

Warranty Statement for Europe

LIMITED THREE-YEAR WARRANTY*

For AOC LCD Monitors sold within Europe, AOC International (Europe) B.V. warrants this product to be free from defects in material and workmanship for a period of Three (3) years after the original date of consumer purchase. During this period, AOC International (Europe) B.V. will, at its option, either repair the defective product with new or rebuilt parts, or replace it with a new or rebuilt product at no charge except as *stated below. In the absent of the proof of purchase, the warranty will start 3 months after the date of manufacturing indicated on the product.

If the product appears to be defective, please contact your local dealer or refer to the service and support section on<u>www.aoc-europe.com</u>for the warranty instructions in your country. The freight cost for the warranty is pre-paid by AOC for the delivery and return.Please ensure you provide a dated proof of purchase along with the product and deliver to the AOC Certified or Authorized Service Center under the following condition:

- Make sure the LCD Monitor is packed in a proper carton box (AOC prefers the original carton box to protects your monitor well enough during transport).
- Put the RMA number on the address label
- Put the RMA number on the shipping carton

AOC International (Europe) B.V. will pay the return shipping charges within one of the countries specified within this warranty statement. AOC International (Europe) B.V. is not responsible for any costs associated with the transportation of product across international borders. This includes the international border within the European Union. If the LCD Monitor is not available for collection when the currier attends, you will be charged a collection fee.

* This limited warranty does not cover any losses or damages that occur as a result of:

- Damages during transport due to improper packaging
- Improper installation or maintenance other then in accordance with AOC's user manual
- Misuse
- Neglect
- Any cause other than ordinary commercial or industrial application
- Adjustment by non-authorized source
- Repair, modification, or installation of options or parts by anyone other than an AOC Certified or Authorized ServiceCenter
- Improper environments like humidity, water damage and dusts
- Damaged by violence, earthquake and terrorist attacks
- Excessive or inadequate heating or air conditioning or electrical powers failures, surges, or other irregularities

This limited warranty does not cover any of the product firmware or hardware that you or any third party have modified or altered; you bear the sole responsibility and liability for any such modifications or alteration.

All AOC LCD Monitors are produced according to the ISO 9241-307 Class 1 pixel policy standards.

If your warranty has expired, you still have access to all available service options, but you will be responsible for the cost of service, including parts, labor, shipping (if any) and applicable taxes. AOC Certified or Authorized Service Center will provide you with an estimate of service costs before receiving your authorization to perform service. ALL EXPRESS AND IMPLIED WARRANTIES FOR THIS PRODUCT (INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO A PERIOD OF THREE (3) YEARS FOR PARTS AND LABOR FROM THE ORIGINAL DATE OF CONSUMER PURCHASE. NO WARRANTIES (EITHER EXPRESSED OR IMPLIED) APPLY AFTER THIS PERIOD. AOC INTERNATIONAL (EUROPE) B.V. OBLIGATIONS AND YOUR REMEDIES HEREUNDER ARE SOLELY AND EXCULSIVELY AS STATED HERE. AOC INTERNATIONAL (EUROPE) B.V. LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT OR DAMAGE IS THE BASIS OF THE CLAIM. IN NO EVENT SHALL AOC INTERNATIONAL (EUROPE) B.V. BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE OR FACILITIES OR EQUIPMENT, OR OTHER INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALTHOUGH THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, YOU MAY HAVE OTHER RIGHTS, WHICH MAY VARY FROM COUNTRY TO COUNTRY. THIS LIMITED WARRANTY IS ONLY VALID FOR PRODUCTS PURCHASED IN THE MEMBER COUNTRIES OF THE EUROPEAN UNION.

Information in this document is subject to change without notice.For more information, please visit: <u>http://www.aoc-europe.com</u>

Service

Warranty Statement for Middle East and Africa (MEA)

And

The Commonwealth of Independent States (CIS)

LIMITED ONE to THREE YEARS WARRANTY*

For AOC LCD Monitors sold within the Middle East and Africa (MEA) and the Commonwealth of Independent States (CIS), AOC International (Europe) B.V. warrants this product to be free from defects in material and workmanship for a period of One (1) to Three (3) years from the manufacture date depending on sale country. During this period, AOC International (Europe) B.V. offers a Carry-In (return to Service Center)Warranty Support at an AOC's Authorized Service Center or Dealer andat its option, either repair the defective product with new or rebuilt parts, or replace it with a new or rebuilt product at no charge except as *stated below. As a Standard Policy, the warranty will be calculated from the manufacture date identified from the product ID serial number, but the total warranty will be Fifteen (15) months to Thirty Nine (39) months from MFD (manufacture date) depending on sale country. Warranty will be considered for exceptional cases that are out of warranty as per the product ID serial number and for such exceptional cases; Original Invoice/Proof Of Purchase Receipt is mandatory.

If the product appears to be defective, please contact your AOC authorized dealer or refer to the service and support section on AOC's website for the warranty instructions in your country:

- Egypt: <u>http://aocmonitorap.com/egypt_eng</u>
- CIS Central Asia: http://aocmonitorap.com/ciscentral
- Middle East: <u>http://aocmonitorap.com/middleeast</u>
- South Africa: <u>http://aocmonitorap.com/southafrica</u>
- Saudi Arabia: http://aocmonitorap.com/saudiarabia

Please ensure you provide a dated proof of purchase along with the product and deliver to the AOC Authorized Service Center or Dealer under the following condition:

- Make sure the LCD Monitor is packed in a proper carton box (AOC prefers the original carton box to protects your monitor well enough during transport).
- Put the RMA number on the address label
- Put the RMA number on the shipping carton

* This limited warranty does not cover any losses or damages that occur as a result of:

- Damages during transport due to improper packaging
- Improper installation or maintenanceother then in accordance with AOC's user manual
- Misuse
- Neglect
- Any cause other than ordinary commercial or industrial application
- Adjustment by non-authorized source
- Repair, modification, or installation of options or parts by anyone other than an AOC Certified or Authorized Service Center
- Improper environments like humidity, water damage and dusts
- Damaged by violence, earthquakes and terrorist attacks
- Excessive or inadequate heating or air conditioning or electrical powers failures, surges, or other irregularities

This limited warranty does not cover any of the product firmware or hardware that you or any third party have modified or altered; you bear the sole responsibility and liability for any such modifications or alteration.

All AOC LCD Monitors are produced according to the ISO 9241-307 Class 1 pixel policy standards.

If your warranty has expired, you still have access to all available service options, but you will be responsible for the cost of service, including parts, labor, shipping (if any) and applicable taxes. AOC Certified, Authorized Service Centeror dealerwill provide you with an estimate of service costs before receiving your authorization to perform service.

ALL EXPRESS AND IMPLIED WARRANTIES FOR THIS PRODUCT (INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO A PERIOD OF ONE (1) to THREE (3) YEARS FOR PARTS AND LABOR FROM THE ORIGINAL DATE OF CONSUMER PURCHASE. NO WARRANTIES (EITHER EXPRESSED OR IMPLIED) APPLY AFTER THIS PERIOD. AOC INTERNATIONAL (EUROPE) B.V. OBLIGATIONS AND YOUR REMEDIES HEREUNDER ARE SOLELY AND EXCULSIVELY AS STATED HERE. AOC INTERNATIONAL (EUROPE) B.V. LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT OR DAMAGE IS THE BASIS OF THE CLAIM. IN NO EVENT SHALL AOC INTERNATIONAL (EUROPE) B.V. BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE OR FACILITIES OR EQUIPMENT, OR OTHER INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALTHOUGH THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, YOU MAY HAVE OTHER RIGHTS, WHICH MAY VARY FROM COUNTRY TO COUNTRY. THIS LIMITED WARRANTY IS ONLY VALID FOR PRODUCTS PURCHASED IN THE MEMBER COUNTRIES OF THE EUROPEAN UNION.

Information in this document is subject to change without notice. For more information, please visit:<u>http://www.aocmonitorap.com</u>



AOC International (Europe) B.V. Prins Bernhardplein 200 / 6th floor, Amsterdam, The Netherlands Tel: +31 (0)20 504 6962 • Fax: +31 (0)20 5046933

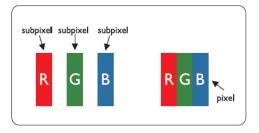
AOC Pixel Policy ISO 9241-307 Class 1

July 25th, 2013

AOC 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 AOC guarantees that any monitor with an unacceptable number of defects will be repaired or replaced under warranty. This Pixel Policy 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.

Pixels and Sub Pixel Definition

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



Types of Pixel Defects

- Bright Dot Defects: the monitor displays a dark pattern, sub pixels or pixels are always lit or "on"
- Black Dot Defects: the monitor displays a light pattern, sub pixels or pixels are always dark or "off"

	ISO 9241-307 Pixel Defect Class	Defect Type 1 Bright Pixel	Defect Type 2 Black Pixel	Defect Type 3 Bright Sub pixel	Defect Type 4 Black Sub pixel
Í				2	+ 1
	Class 1	1	1	1	+ 3
				0	+ 5

AOC International (Europe) B.V.

EASE
PROGRAM

Only for AOC branded monitors sold within the continental United States.

All AOC branded monitors are now covered by the EASE Program. If your monitor malfunctions at any time during the first three months, AOC will provide a replacement monitor within 72 hours after you are approved for our program. If your monitor qualifies for the EASE program, AOC will pay for freight both ways.

Step 1: Phone our TECH Department at 888.662.9888Step 2: Fill out and return EASE registration forms by mail or fax.Step 3: We will issue a Return Authorization Number upon verification into the program.Step 4: A monitor will be advance shipped to your location.Step 5: We will issue a UPS Call Tag to pick up the defective unit.Step 6: Please review the following chart to see your EASE program qualifications.

WARRANTY PERIOD	COVERAGE AT NO CHARGE	CUSTOMER CHARGES
Within the first three months of purchase: Covered by EASE	 New AOC monitor Call tag dispatched and return freight charges via UPS 	- None*
Between 4 months – 1 Year	- All Parts & Labor Including CRT Tube & LCD Panel	- UPS Return Freight to AOC
Between 1 Year - 3 Years: Covered by standard limited warranty	- Parts & Labor (excluding CRT Tube & LCD Panel)	- UPS Return Freight to AOC

*AOC will need to obtain a credit card number if you would like to get a new AOC monitor advanced shipped to your location, prior to the defective unit arriving at AOC's service center. If you do not wish to supply a credit card, AOC will only ship the new monitor, once the defective unit arrives at the AOC service center.

