# ЛОС

## LCD Monitor User Manual M2470SWD/M2470SWDA LED Backlight



Safety	4
National Conventions	4
Power	5
Installation	6
Cleaning	7
Other	8
Setup	9
Contents in Box	9
Setup Stand & Base	10
Adjusting Viewing Angle	11
Connecting the Monitor	12
Wall Mounting	13
Adjusting	14
Setting Optimal Resolution	14
Windows Vista	14
Windows XP	16
Windows ME/2000	17
Windows 8	18
Hotkeys	20
OSD Setting	22
Luminance	23
Image Setup	24
Color Setup	25
Picture Boost	26
OSD Setup	27
Extra	28
Exit	29
LED Indicator	29
Driver	30
Monitor Driver	30
Windows 8	30
Windows 7	34
Windows Vista	38
Windows XP	40
Windows 2000	43
Windows ME	43
i-Menu	44
e-Saver	45
Screen+	46
Troubleshoot	47
Specification	48
General Specification	48
Preset Display Modes	49
Pin Assignments	50
Plug and Play	51
Regulation	52

	FCC Notice	52
	WEEE Declaration	53
	WEEE Declaration for India	.53
	EPA Energy Star	
	EPEAT Declaration	55
	TCO DOCUMENT	56
Ser	<i>v</i> ice	57
	Warranty Statement for Europe	57
	Warranty Statement for Middle East and Africa (MEA)	59
	AOC Pixel Policy ISO 9241-307 Class 1	61
	Warranty Statement for North & South America (excluding Brazil)	62
	EASE PROGRAME	64

## 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.

### 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.

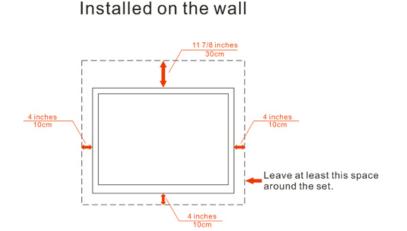
Never push any object into the slot on the monitor cabinet. It could damage circuit parts causing a fire or electric shock. Never spill liquids on the monitor.

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

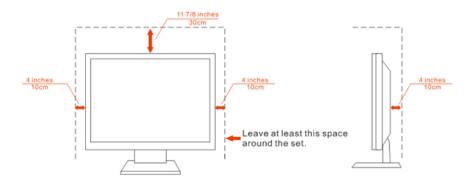
If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.

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 with stand

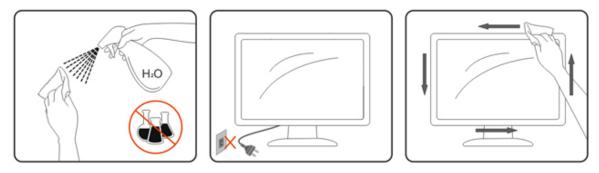


## Cleaning

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.

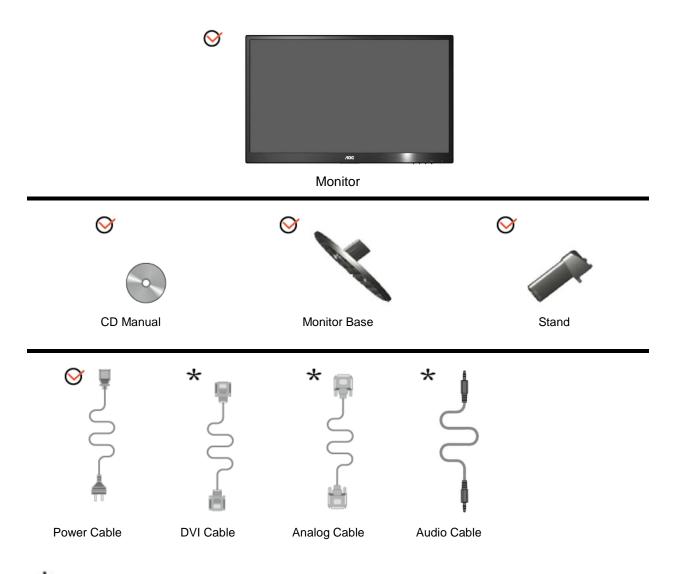
Ample of the sure that the ventilating openings are not blocked by a table or curtain.

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**

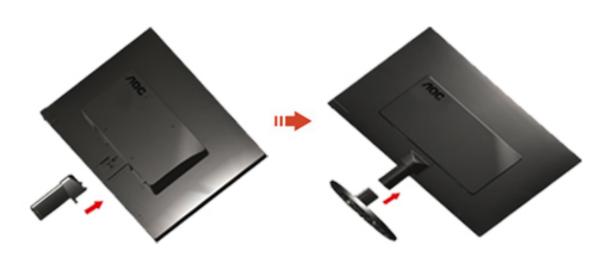


\*Not all signal cables (Audio, Analog, DVI) will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

## Setup Stand & Base

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

#### Setup:



Remove:

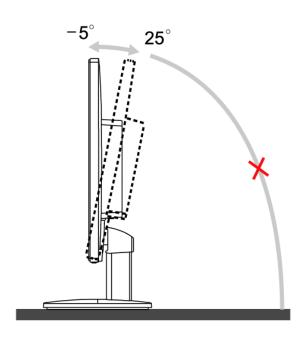


## **Adjusting Viewing Angle**

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 25 °.

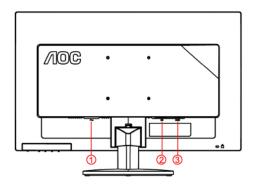




Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

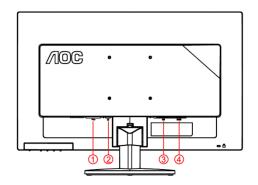
## **Connecting the Monitor**

Cable Connections In Back of Monitor and Computer:





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





- 1. Power
- 2. Audio in
- 3. DVI
- 4. D-Sub

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 D-Sub cable to the back of the monitor and connect the other end to the computer's D-Sub port.
- 3 Connect one end of the DVI cable to the back of the monitor and connect the other end to the computer"s DVI port.
- 4 Connect one end of the Audio cable to the back of the monitor and connect the other end to the computer's Audio port.
- 5 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.

tonitor	
Drag the icons to match your monitors.	Jdentify Monitor
1	
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Multiple Monitors) on MVDIA Geforce 66     Dis a my main monitor     Extend the Sealtop ands this monitor	06 LE (Microsoft Corporation
[7] [his is my main monitor	00 LE (Microsoft Corporation
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I This is my main monitor I Estend the debitop ants this monitor Besolution	<u>Colore</u>

#### Windows XP

For Windows XP:

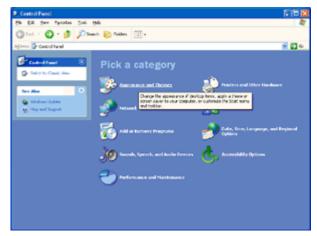
#### 1 Click START.



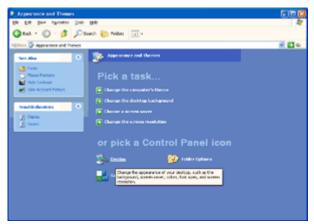
#### 2 Click SETTINGS.

3 Click CONTROL PANEL.

4 Click Appearance and Themes.

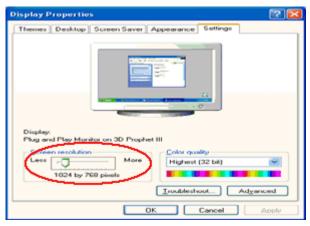


5 Double click **DISPLAY.** 



#### 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.

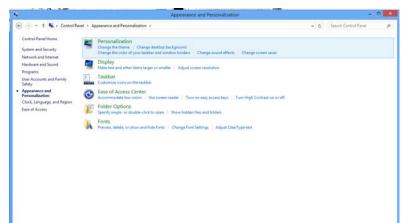


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Lifecaging		Ing Seas facardar	CRUMen Help	Window Eary Sandar Angoria
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E News		Windows Fast and Scan	Windows Performance	
Propin		Windows Assessed		
Parts -		Windows Modia Player	Connant Hongt	

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

🐑 🍥 = 🕇 調 + Control Panel +				* 6	Search Control Panel	
	Adjust y	our computer's settings		Wew by: Category *		
	•	System and Security Review your computer's status Save backup copies of your files with File History	88	User Accounts and Family Safety Change account type § Set up Family Safety for any user		
	<u>.</u>	Find and fix problems Network and Internet Connect to the Internet View network status and tasks	-	Appearance and Personalization Charge the theme Charge desitop background Adjust screen resolution		
	-	Choose homegroup and sharing options Hardware and Sound View devices and printers Add a device	5	Clock, Language, and Region Add a language Change input methods Change date, time, or number formats		
	đ	Programs Uninstall a program	٢	Ease of Access Let Windows suggest settings Optimize visual display		

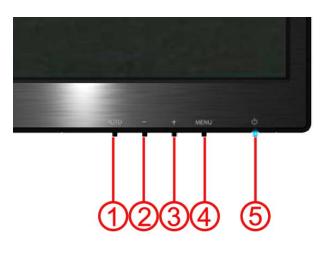
4. Click **DISPLAY.** 



5. Set the resolution **SLIDE-BAR** to 1920x1080.

🕞 🐵 🍷 🅈 📮 + Control Pane	i > Appearance and Personalization	Screen Resolution  Display + Screen Resolution		~ ¢	Search Control Panel	,p
	Change the ap	pearance of your display	Detect Identify			
	Displays Resolutions Orientations Make text and other		Advanced settings			
	What display settin	1024 = 768 Low	OK Cencel Apply			

## **Hotkeys**



1	Source/Auto/Exit
2	Clear vision /-
3	Volume /+(M2470SWDA)
3	4:3or wide/+(M2470SWD)
4	Menu/Enter
5	Power

#### Power

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

#### Menu/Enter

Press to display the OSD or confirm the selection.

#### Volume adjustment hot key (M2470SWDA)

When there is no OSD, press Volume + to active volume adjustment bar, press - or + to adjust volume (Only for the models with Audio)

#### 4:3 or wide image ratio(M2470SWD)

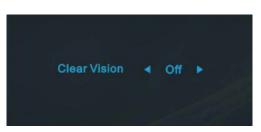
When there is no OSD, press hotkey continuously to change 4:3 or wide image ratio. (If the product screen size is 4:3 or input signal resolution is wide format, the hot key is disable to adjust.).

#### Source /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).

#### **Clear Vision**

- 1. When there is no OSD, Press the "-" button to activate Clear Vision.
- 2. Use the "-" or "+" buttons to select between weak, medium, strong, or off settings. Default setting is always "off".



3. Press and hold "-" button for 5 seconds to activate the Clear Vision Demo, and a message of "Clear Vision Demo: on" will be display on the screen for a duration of 5 seconds. Press Menu or Exit button, the message will disappear. Press and hold "-" button for 5 seconds again, Clear Vision Demo will be off.



Clear Vision function provides the best image viewing experience by converting low resolution and blurry images into clear and vivid images.

## **OSD Setting**

Basic and simple instruction on the control keys.



- 1) Press the **MENU-button** to activate the OSD window.
- Press or + to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it . press - or + to navigate through the sub-menu functions. Once the desired function is highlighted, press MENU-button to activate it.
- 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 MENU button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the MENU button while the monitor is off and then press 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 Clear vision, DCR, Color Boost, and Picture Boost functions is activated; the other three functions are turned off accordingly.

#### Luminance

< 🚺 >	7.		-		¢,	×	1
	Image Setup	Color Setup	Pictur	re Boost	OSD Setup	Extra	Exit
Contrast	5	0 Gamma		Gamma 1			
Brightness	5	DCR		Off			
	◀ Standard I						

- 1. Press **MENU** (Menu) to display menu.
- 2. Press or + to select (Luminance), and press MENU to enter.
- 3. Press or + to select submenu, and press MENU to enter.
- 4. Press or + to adjust.
- 5. Press AUTO to exit.

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

#### Image Setup

< 🚺 >	či.		C,	×	T	
	Color Setup	Picture Boost	OSD Setup	Extra	Exit	Luminance
Clock	50		_			
Phase	50	V. Position		50		
Sharpness	50					

- 1. Press **MENU** (Menu) to display menu.
- 2. Press or + to select (Image Setup), and press MENU to enter.
- 3. Press or + to select submenu, and press MENU to enter.
- 4. Press or + to adjust.
- 5. Press AUTO 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	*	7.
	Picture B	oost	OSD Setup	Extra	Exit	Luminance	Image Setup
Color Temp.			Red	_			
DCB Mode	Off		Green				
DCB Demo	off			_			

- 1. Press **MENU** (Menu) to display menu.
- 2. Press or + to select (Color Setup), and press MENU to enter.
- 3. Press or + to select submenu, and press MENU to enter.
- 4. Press or + to adjust.
- 5. Press AUTO to exit.

		Warm		Recall Warm Color Temperature from EEPROM.			
		Normal		Recall Normal Color Temperature from EEPROM.			
	Color Temp.	Cool		Recall Cool Color Temperature from EEPROM.			
		sRGB		Recall SRGB Color Temperature from EEPROM.			
-			Red	Red Gain from Digital-register			
		User	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**

< <mark></mark> >		Q,		×	T	×	4	æ
Picture Boost		OSD Set	up	Extra	Exit	Luminance	Image Setup	Color Setup
Bright Frame		Off		Brightness	_		H. Position	50
Frame Size	-			Contrast	_		V. Position	50

- 1. Press **MENU** (Menu) to display menu.
- 2. Press or + to select (Picture Boost), and press MENU to enter.
- 3. Press or + to select submenu, and press MENU to enter.
- 4. Press or + to adjust.
- 5. Press AUTO 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**

		兴 Extra		Exit	Luminanc	e Image Setu	up Color Setu	þ		re Boost
Language Timeout	•	English	120		H. Position	<b>5</b> 0	Transparence Break Reminder	•	Off	25 ►

- 1. Press **MENU** (Menu) to display menu.
- 2. Press or + to select (OSD Setup), and press MENU to enter.
- 3. Press or + to select submenu, and press MENU to enter.
- 4. Press or + to adjust.
- 5. Press AUTO 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	Adjust the OSD Timeout					
	Transparence	0-100	Adjust the transparence of OSD			
	Language		Select the OSD language			
	Break Reminder	on or off	Break reminder if the user continuously work for more			
			than 1hrs			

#### Extra

< X >	Exit	Luminance	Ima	ge Setu	p	Color Setup	Picture Boost	C, OSD Setup
Input Select			Image Ratio				Resolution : 1024 (H) X76	i8 (V)
Auto Config.			DDC/CI				H. Frequency:60KHz	
Off Timer			Reset				V. Frequency: 60Hz	

- 1. Press **MENU** (Menu) to display menu.
- 2. Press or + to select X (Extra), and press **MENU** to enter.
- 3. Press or + to select submenu, and press **MENU** to enter.
- 4. Press or + to adjust.
- 5. Press AUTO to exit.

Input Select	Auto / D-SUB / DVI	Select Input Signal Source
Auto Config	yes or no	Auto adjust the picture to default
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

< 👔 >	Luminance	T+ Image Setup	Color Setup	Picture Boost	CSD Setup	X Extra

- 1. Press **MENU** (Menu) to display menu.
- 2. Press or + to select (Exit), and press MENU to enter.
- 3. Press AUTO to exit.

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

## **LED Indicator**

Status	LED	Color
Full Power Mode	Green	0
Active-off Mode	Orange	•

## Driver

## **Monitor Driver**

#### Windows 8

- 1. Start Windows® 8
- 2. Right click and click All apps at the bottom-right of the screen.

Start				DQETEST-32
v Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corrections Corr	l Contraction of the sector of		June Parket State	Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color
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- 3. Click on the "Control panel" icon
- 4. Set the "View by" to "Large icons" or "Small icons".

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djust ya	ur computer's settings									View by:	erge icons *	
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11:16 PM 12/25/2012 5. Click on the "**Display**" icon.

Action Center	C Administrative Tools	AutoPlay	Backup and Restore	
Color Management	Credential Manager	💕 Date and Time	Default Programs	
Desktop Gadgets	Device Manager	Ma Devices and Printers	💐 Display	
Ease of Access Center	E Folder Options	K Fonts	Getting Started	
HomeGroup	P Indexing Options	1 Internet Options	- Keyboard	
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NVIDIA Control Panel	NVIDIA PhysX	🏂 Parental Controls	/ Pen and Touch	
Performance Information and Tools	Personalization	Phone and Modern	Power Options	
Programs and Features	Realtek HD Audio Manager	Recovery	Region and Language	
RemoteApp and Desktop Connections	Sound	Ø Speech Recognition	Sync Center	
System	Tablet PC Settings	Taskbar and Start Menu	Troubleshooting	
Luser Accounts	🍇 Windows Anytime Upgrade	📜 Windows CardSpace	Windows Defender	
Windows Firewall	Real Windows Update			

6. Click on the "Change display settings" button.

Control Panel >	All Control Panel Items   Display		Search Control Panel
Control Panel Home	Make it easier to read what's or	your screen items on your screen by choosing one of these options. To	
Adjust resolution Calibrate color	temporarily enlarge just part of the screet	n, use the Magnifier tool.	
Change display settings Adjust ClearType text	Smaller - 100%	Preview	
Set custom text size (DPI)	Medium - 125% (default)		
	⊘ Larger - 150%		
		Apply	
See also			
Personalization			
Devices and Printers			

7. Click the "Advanced Settings" button.

Control Panel + All Control Panel Items + Display + Screen Resolution	Search Control Panel     P
Change the appearance of your disp	lay
. 0	Detect
Display: L. Heidia Default Hat Panel Resolution: 1920 + 1080 (recommende Orientation: Landscap	
	Advanced settings
Make text and other items larger or smaller What display settings should I choose?	
	OK Cancel Apply

8. Click the **"Monitor"** tab and then click the **"Properties"** button.

Monie	or Type Gene	ric PnP Monitor	Properties
Monit	or Setting	s	
Scree	en refresh	rate:	
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Clear	ring this d	eck box allows correctly. This	iy modes that this monitor able display and/or
Color	rs:		
True	Color (32	t bit) 👻	

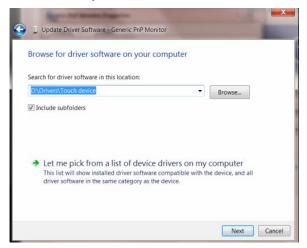
9. Click the "Driver" tab.

General Driver Details	
Generic PnP Mo	nitor
Driver Provider.	Microsoft
Driver Date:	6/21/2006
Driver Version:	6.1.7600.16385
Digital Signer:	Microsoft Windows
Driver Details	To view details about the driver files.
Update 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.
Uninstall	To uninstall the driver (Advanced).
	OK Cancel

10. 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.

•	Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.
•	Browse my computer for driver software Locate and install driver software manually.

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



12. 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).

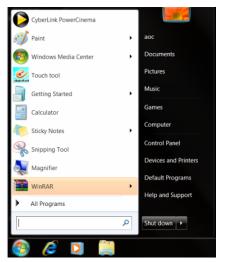
Install Fro	t the manufacturer and model of your hardware device an m Disk	d then click Nev
-	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	
	F:\Drivers\e936Vw	Browse

- 13. Select the "xxx.inf" file and click the "Open" button. Click the "OK" button.
- 14. Select your monitor model and click the "**Next**" button. The files will be copied from the CD to your hard disk drive.
- 15. Close all open windows and remove the CD.
- 16. 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.

Clock Management       Credential Management       Credential Management       Desizes Credential Management         Desizes Gadgets       Device Management       Devices and Printers       Disalay         Seas of Access Credent       Folder Options       A credential Management       Devices and Printers         Notesting Control on all Management       Folder Options       Tenent Options       K reserved Control         Notation Control on all Management       Management       Management       Management         MODIA Control Printer       Management       Farental Controls       Prevential Controls         MODIA Control Printer       Management       Control and Management       Prevential Controls         Modia Control Printer       Management       Control and Management       Prevential Controls         Monagement       Prevential Controls       Prevential Controls       Prevential Controls         Monagement       Recorrection       Prevential Controls       Prevential Controls         Monetrection Prevential       Recorrect	Action Center	C Administrative Tools	AutoPlay	Backup and Restore	
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JonesGicup     Julioning Options     Julioning     Julioning Options     Julioning     Julioning Options     Julioning     Julioni	🛃 Desktop Gadgets	Device Manager	and Devices and Printers	💐 Display	
Location and Other Sensors          Mouse	Ease of Access Center	E Folder Options	Fonts	Getting Started	
MCDA Control Fanel         INIDEA Physix         Parental Costrols         // Pren and Touch           Informance Information and Touch         Preconsultations         Preconsultations         Preconsultations           Informance Information and Touch         Preconsultations         Preconsultations         Preconsultations         Preconsultations           Information and Touch         Preconsultations         Preconsultations         Preconsultations         Preconsultations           Information and Touch         Preconsultations         Preconsultations         Preconsultations         Preconsultations           Information And Destrop Connections         Informations         Informations         Informations         Preconsultations		& Indexing Options	C Internet Options	- Keyboard	
	Location and Other Sensors	I Mouse	Network and Sharing Center	Notification Area Icons	
If frograms and Features     Benetek HD Audio Manager     Kencerky      Benetek pard Destop Connections     Bound     Sound     O Speech Recognition     Specc Enter	NVIDIA Control Panel	NVIDIA PhysX	🍂 Parental Controls	/ Pen and Touch	
🗞 RemoteApp and Desktop Connections 🛛 👰 Sound 🕺 Speech Recognition 🛞 Sync Center	Performance Information and Tools	Personalization	Phone and Modern	Power Options	
	Programs and Features	Realtek HD Audio Manager	📽 Recovery	Region and Language	
Sustem	RemoteApp and Desktop Connections	Sound	Ø Speech Recognition	Sync Center	
	System	Tablet PC Settings	Taskbar and Start Menu	Troubleshooting	
💐 User Accounts 😽 Windows Anytime Upgrade 🚺 Windows CardSpace 🙀 Windows Defender	User Accounts	🥵 Windows Anytime Upgrade	Windows CardSpace	Windows Defender	
🔐 Windows Firewall 💦 Windows Update	Windows Firewall	Register Windows Update			

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

🔁 🚭 🗧 🕨 Control Panel 🕨	All Control Panel Items + Display		Search Control Panel
Control Panel Home Adjust resolution Calibrate color	Make it easier to read what's on You can change the size of text and other temporarily enlarge just part of the screen	items on your screen by choosing one of these options. To	
Change display settings Adjust ClearType text Set custom text size (DPI)	Smaller - 100%	Preview	
	🔊 Larger - 150%		
		Apply	
See also			
Personalization Devices and Printers			

5.Click the "Advanced Settings" button.

😋 💬 = 🔍 🕨 Control Panel 🕨 All Control Panel Items 🕨	Display + Screen Resolution	✓ Search Control Panel P
Ch	ange the appearance of your display	
Dig	Jan	
	olution: 1920 × 1080 (recommended) • Intation: Landscape •	
	Advanced settings is test and other items larger or smaller it display settings should I choose?	
	OK Cancel Apply	

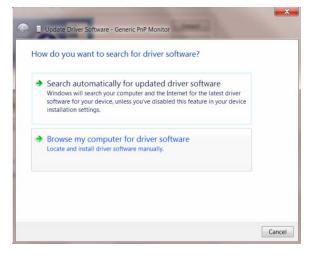
6.Click the "Monitor" tab and then click the "Properties" button.

Monit	or Type Gene	ric PnP Monito	or		
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		s urar una mon	itor cannot displa		
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7.Click the "Driver" tab.

General	Driver Details	
	Generic PnP Monitor	
	Driver Provider.	Microsoft
	Driver Date:	6/21/2006
	Driver Version:	6.1.7600.16385
	Digital Signer:	Microsoft Windows
Driver Details		To view details about the driver files.
Update 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.
	Uninstall	To uninstall the driver (Advanced).

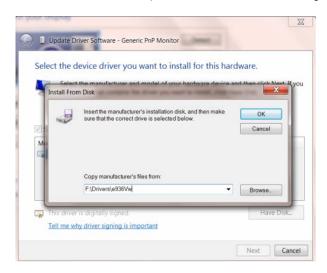
8. Open the "Update Driver Software-Generic PnP Monitor" window by clicking on "**Update Driver...** "and then click the **"Browse my computer for driver software"** button.



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).



11. Select the "xxx.inf" file and click the "Open" button. Click the "OK" button.

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.

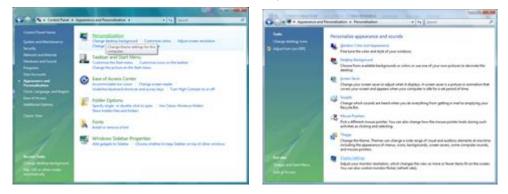
14. Restart the system. The system will automatically select the maximum refresh rate and corresponding Color Matching Profiles.

### Windows Vista

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At Programs	Extend Programs	Annal Sale				
Dur land P		Philip and a sector				

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.

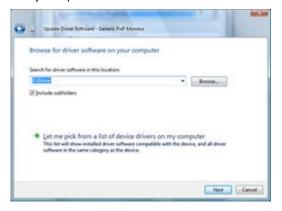
If the message "Windows needs..." is displayed, as shown in the figure below, click "Continue".



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

eneric PriP Monitor Properties	Generic PnP Monitor Properties
General Dever Details	General Driver Details
Genetic PriP Monitor	Genesic PnP Monitor
Device type: Monitors Manufacturer: (Standard monitor types) Location: an IWIDIA 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 view details about the driver files. Update Driver. To update the driver software for this device. File device fails after updating the driver, not be device fails after updating the driver, not be device fails after updating the driver. Deable Deables the selected drivec.
OK Center	Uninstal To uninstal 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.

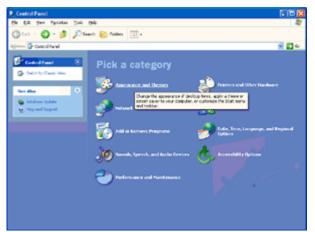
9. Click "Close"  $\rightarrow$  "Close"  $\rightarrow$  "OK"  $\rightarrow$  "OK" on the following screens displayed in sequence.

### Windows XP

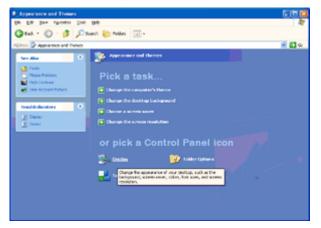
- 1. Start Windows® XP
- 2. Click on the 'Start' button and then click on 'Control Panel'.



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.

Display Properties
Themes Desktop Screen Saver Appearance Settings
Display: Phg and Play Monitor on 3D Prophet III
Screen recolution Less More 1024 by 769 pixels
Iroubleshoot Advanced
OK Cancel Apply

- 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.

, and ray monito	r and 3D Prophet III Properties 👘 😰
GeForce3 ieneral Adapter	Device Selection Color Correction Monitor Troubleshoot Color Management
Monitor type Plug and Play	y Monitor
Monitor settings	
Screen refresh rate:	
60 Hertz	~
	ox allows you to select display modes that this y correctly. This may lead to an unusable display
monitor cannot display and/or damaged hard	

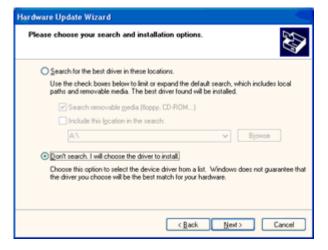
7. Click on the 'Driver' tab and then click on 'Update Driver...' button.

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  Driver Details To view details about the driver files.  Updete Driver To update the driver for this device.
Iroubleshoot	Boll Back Driver If the device fails after updating the driver, roll back to the previously installed driver.
Use this device (enable)	Uninstall To uninstall the driver (Advanced).
OK Cancel	OK Cancel

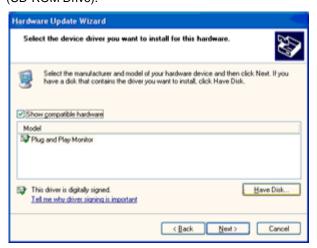
8. Select the 'Install from a list or specific location [advanced]' radio button and then click on the 'Next' button.



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	Lumii	nance	9 😣
		×	
Contrast	50	🔆 Brightness	50
γ Gamma	🦣 Gamma 1  ▶	💠 Eco Mode	∢ ⊻ ⊳
📑 DCR	<b>C</b>		
			\$
Contraction of the second seco	1	DC	

### 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	<ul> <li>Is the power cord connected properly?</li> <li>Check the power cord connection and power supply.</li> <li>Is the cable connected correctly?</li> <li>(Connected using the D-sub cable)</li> <li>Check the DB-15 cable connection.</li> <li>(Connected using the DVI cable)</li> <li>Check the DVI cable connection.</li> <li>* DVI input is not available on every model.</li> <li>If the power is on, reboot the computer to see the initial screen (the login screen), which can be seen.</li> <li>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.</li> <li>(Refer to the Setting the Optimal Resolution)</li> <li>If the initial screen (the login screen) does not appear, contact the Service Center or your dealer.</li> <li>Can you see "Input Not Supported" on the screen?</li> <li>You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly.</li> <li>Adjust the maximum resolution and frequency that the monitor can handle properly.</li> <li>Make sure the AOC Monitor Drivers are installed.</li> </ul>
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**

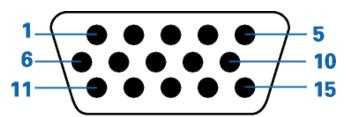
## **General Specification**

Model name		M2470SWD / M2470SV	VDA		
Panel	Driving system	TFT Color LCD			
	Viewable Image Size	59.8 cm diagonal			
	Pixel pitch	0. 2715 mm(H) x 0. 271	5 mm(V)		
	Video	R, G, B Analog Interface	e, DVI		
	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)	521.28 mm			
	Vertical scan range	50 Hz - 76 Hz			
	Vertical scan Size(Maximum)	293.22 mm			
	Optimal preset resolution	1920 x 1080 (60 Hz)			
	Plug & Play	VESA DDC2B/CI			
Resolution	Input Connector	D-Sub 15pin, DVI 24pin			
Resolution	Input Video Signal	Analog: 0.7Vp-p(standa	rd), 75 OHM, TMDS		
	Power Source	100-240V~, 50/60Hz			
		Active 26 W (typical) (N	12470SWD)		
	Power Consumption	Active 27 W (typical) (N	12470SWDA)		
		Standby < 0.5 W			
	Off timer	0~24 hrs			
	Speakers (M2470SWDA)	2W x 2			
	Connector Type (M2470SWD)	15-pin Mini D-Sub, DVI-D			
Physical Characteristics	Connector Type (M2470SWDA)	15-pin Mini D-Sub, DVI	-D, Audio in		
	Signal Cable Type	Detachable			
	Tomporaturo	Operating	0° ~ 40°		
	Temperature	Non-Operating	-25°~ 55°		
Environmental	Humidity	Operating	10% ~ 85% (non-condensing)		
		Non-Operating	5% ~ 93% (non-condensing)		
	Altitude	Operating	0~ 5000m (0~ 16404 ft )		
		Non-Operating	0~ 12192m (0~ 40000 ft )		

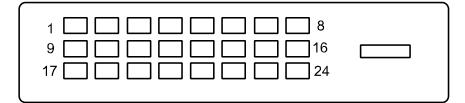
## Preset Display Modes

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
MAC MODE VGA	640 × 480@67Hz	35	66.667
IBM-MODE DOS	720×400@70Hz	720×400@70Hz 31.469 70.087	
	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
MAC MODE SVGA	832×624@75Hz	49.725	74.5
	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	1280×720@60Hz	45	60
WAGA	1280×960@60Hz	60	60
WXGA+	1440×900 @60Hz	55.935	59.887
WSXGA+	1680×1050 @60Hz	65.29	59.954
FHD	1920 × 1080@60Hz	67.5	60

## **Pin Assignments**



Pin Number	15-Pin Side of the Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	N.C.
5	Detect Cable
6	GND-R
7	GND-G
8	GND-B
9	+5V
10	Ground
11	N.C.
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.	Ground (for +5V)	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 .

## **WEEE Declaration for India**



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 in India please visit the below web link.

www.aocindia.com/ewaste.php.

This product complies with all implemented RoHS type regulations worldwide, including but not limited to, EU, Korea, Japan, US States (e.g. California),Ukraine, Serbia, Turkey, Vietnam and India.

We continue to monitor, influence and develop our processes to comply withupcoming proposed RoHS type regulations, including but not limited to, Brazil, Argentina, Canada.

#### **Restriction on Hazardous Substances statement (India)**

This product complies with the "India E-waste Rule 2011" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated biphenyl ethers in concentrations exceeding 0.1 weight % and 0.01weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

## **EPA Energy Star**



ENERGY STAR® is a U.S. registered mark. As an ENERGY STAR® Partner, AOC International (Europe) BV and Envision Peripherals, Inc. have determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

## **EPEAT Declaration**



EPEAT is a system to help 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.

AOC believes in protecting the environment.

With a key concern for the conservation of natural resources, as well as landfill protection, AOC announces the launch of AOC monitor's packaging recycling program. This program is designed to help you discard of your monitor carton and filler materials properly. If a local recycling center is not available, AOC will recycle the packaging material for you, including foam filler and carton. AOC Display solution will only recycle AOC monitor packaging. Please refer to the following website address:

Only for North and South American, excluding Brazil:

http://us.aoc.com/about/environmental\_impact

For Germany: http://www.aoc-europe.com/en/service/tco.php

For Brazil: http://www.aoc.com.br/2007/php/index.php?reg=pagina&pgn\_id=134

## **TCO DOCUMENT**

## **Congratulations!**

#### This product 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 more information, please visit www.tcodevelopment.com

TCO Certified Document for Displays version. 2.3



## 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: <a href="http://www.aoc-europe.com">http://www.aoc-europe.com</a>

# 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: <u>http://aocmonitorap.com/ciscentral</u>
- Middle East: <u>http://aocmonitorap.com/middleeast</u>
- South Africa: <u>http://aocmonitorap.com/southafrica</u>
- Saudi Arabia: <u>http://aocmonitorap.com/saudiarabia</u>

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:http://www.aocmonitorap.com

### AOC Pixel Policy ISO 9241-307 Class 1

ЛОС

AOC International (Europe) B.V. Prins Bernhardplein 200 / 6<sup>th</sup> 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.

subpixel	subpixel	subpixel	_
R	G	в	R G B 🗙
			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
			2	+ 1
Class 1	1	1	1	+ 3
			0	+ 5

AOC International (Europe) B.V.

# Warranty Statement for North & South America (excluding Brazil)

#### WARRANTY STATEMENT

for AOC Color Monitors Including those Sold within North America as Specified

Envision Peripherals, Inc. warrants this product to be free from defects in material and workmanship for a period of three (3) years for parts & labor and one (1) year for CRT Tube or LCD Panel after the original date of consumer purchase. During this period, EPI ( EPI is the abbreviation of Envision Peripherals, Inc. ) 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. The parts or product that are replaced become the property of EPI.

In the USA to obtain service under this limited warranty, call EPI for the name of the Authorized Service Center closest to your area. Deliver the product freight pre-paid, along with the dated proof of purchase, to the EPI Authorized Service Center. If you cannot deliver the product in person:

- Pack it in its original shipping container (or equivalent)
- Put the RMA number on the address label
- Put the RMA number on the shipping carton
- Insure it (or assume the risk of loss/damage during shipment)
- Pay all shipping charges

EPI is not responsible for damage to inbound product that was not properly packaged.

EPI will pay the return shipment charges within one of the countries specified within this warranty statement. EPI is not responsible for any costs associated with the transportation of product across international borders. This includes the international borders of the countries within this warranty statements.

In the United States and Canada contact your Dealer or EPI Customer Service, RMA Department at the toll free number (888) 662-9888. Or you can request an RMA Number online at www.aoc.com/na-warranty.

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

- Shipping or improper installation or maintenance
- 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 EPI Authorized Service Center
- Improper environment

• Excessive or inadequate heating or air conditioning or electrical power failures, surges, or other irregularities

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

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 AND ONE (1) YEAR FOR CRT TUBE OR LCD PANEL FROM THE ORIGINAL DATE OF CONSUMER PURCHASE. NO WARRANTIES (EITHER EXPRESSED OR IMPLIED) APPLY AFTER THIS PERIOD. IN THE UNITED STATES OF AMERICA, SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

EPI OBLIGATIONS AND YOUR REMEDIES HEREUNDER ARE SOLELY AND EXCLUSIVELY AS STATED HERE. EPI' 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 ENVISION PERIPHERALS, INC. BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE OR FACILITIES OR EQUIPMENT OR OTHER INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE. IN THE UNITED STATES OF AMERICA, 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 STATE TO STATE.

In the United States of America, this limited warranty is only valid for Products purchased in the Continental United States, Alaska, and Hawaii.

Outside the United States of America, this limited warranty is only valid for Products purchased in Canada.

Information in this document is subject to change without notice. For more details, please visit:

USA: http://us.aoc.com/support/warranty ARGENTINA: http://ar.aoc.com/support/warranty BOLIVIA: http://bo.aoc.com/support/warranty CHILE: http://cl.aoc.com/support/warranty COLOMBIA: http://co.aoc.com/warranty COSTA RICA: http://cr.aoc.com/support/warranty DOMINICAN REPUBLIC: http://do.aoc.com/support/warranty ECUADOR: http://ec.aoc.com/support/warranty EL SALVADOR: http://sv.aoc.com/support/warranty GUATEMALA: http://gt.aoc.com/support/warranty HONDURAS: http://hn.aoc.com/support/warranty NICARAGUA: http://ni.aoc.com/support/warranty\_ PANAMA: http://pa.aoc.com/support/warranty PARAGUAY: http://py.aoc.com/support/warranty\_\_\_\_ PERU: http://pe.aoc.com/support/warranty URUGUAY: http://pe.aoc.com/warranty VENEZUELA: http://ve.aoc.com/support/warranty IF COUNTRY NOT LISTED: http://latin.aoc.com/warranty

## EASE PROGRAME



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

\*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.

