

# LCD Monitor User Manual

AG241QX 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 (Input: 100-240V~, 50/60Hz, 1.5A Output: 20Vdc, 3.25A) Manufacturers: TPV ELECTRONICS (FUJIAN) CO.,LTD. Model: ADPC2065

## 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.

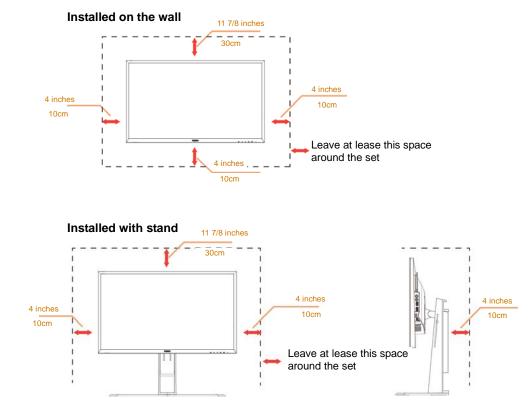
Never push any object into the slot on the monitor cabinet. It could damage circuit parts causing a fire or electric shock. Never spill liquids on the monitor.

L 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:

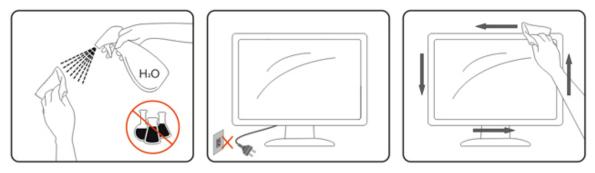


# Cleaning

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.

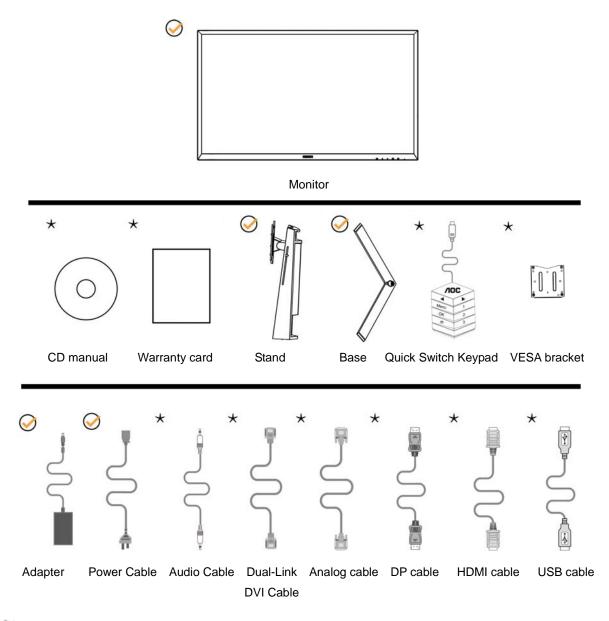
All Make sure that the ventilating openings are not blocked by a table or curtain.

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

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

# Setup

## **Contents in Box**

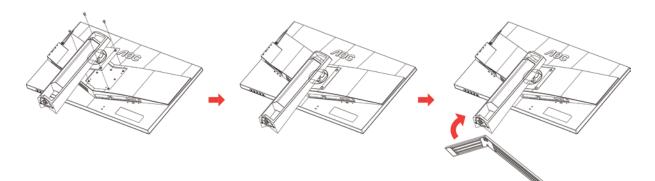


\*Not all signal cables (Audio, Analog, DVI, USB, DP and HDMI cables) will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

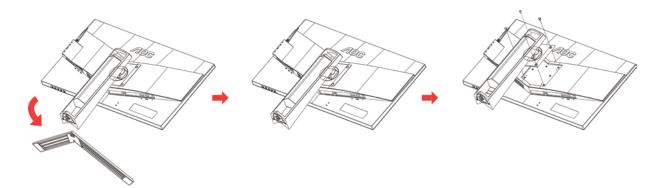
# Setup Stand & Base

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

Setup:



Remove:



# **Adjusting Viewing Angle**

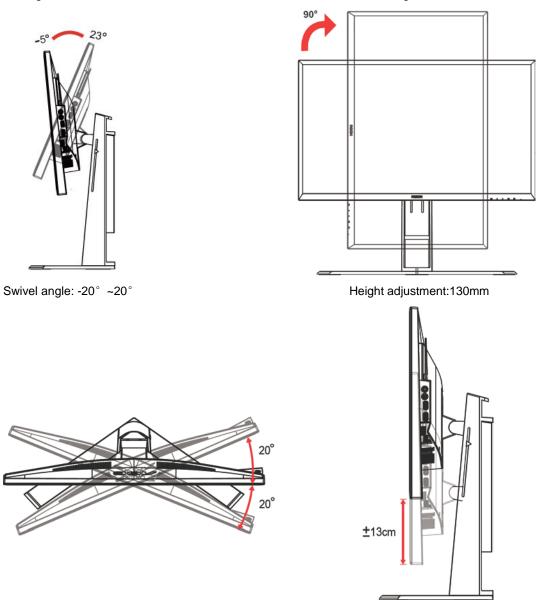
For optimal viewing it is recommended to look at the full face of the monitor, then adjust the monitor's angle to your own preference.

Pivot angle: 0° ~90°

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

You are able to adjust the monitor as below:

Tilt angle:- 5° ~23°



- 1. Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.
- 2. The scale on the stand can remember which location is your favorite.

# Using "MHL(Mobile High-Definition Link)"

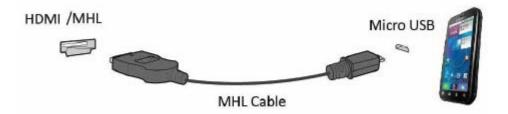
#### 1."MHL" (Mobile High-Definition Link)

This feature allows you to enjoy videos and photos (imported from a connected mobile device that supports MHL) on the screenof the product.

- To use the MHL function, you need an MHL-certified mobile device. You can check if your mobile device is MHL certified on the device manufacturer's website. To find a list of MHL-certified devices, visit the official MHL website (http://www.mhlconsortium.org).
- To use the MHL function, the latest version of software must be installed on the mobile device.
- On some mobile devices, the MHL function may not be available depending on the device's performance or functionality.
- Since the display size of the product is larger than those of mobile devices, the picture quality may degrade.
- This product is officially MHL-certified. If you encounter any problem when using the MHL function, please contact the manufacturer of the mobile device.
- The picture quality may degrade when content (imported from the mobile device) with a low Resolution is played on the product.

#### Using "MHL"

1. Connect the micro USB port on the mobile device to the [HDMI / MHL] port on the product using the MHL cable.



- When the MHL cable is used, [HDMI / MHL] is the only port on this monitor that supports the MHL function.
- Mobile device must be purchased separately.
- 2. Connect the AC power cord to the product and a power outlet.
- 3. Press the source button and switch to HDMI /MHL to activate MHL mode.
- 4. After about 3 seconds, the MHL screen will be displayed if MHL mode is active.

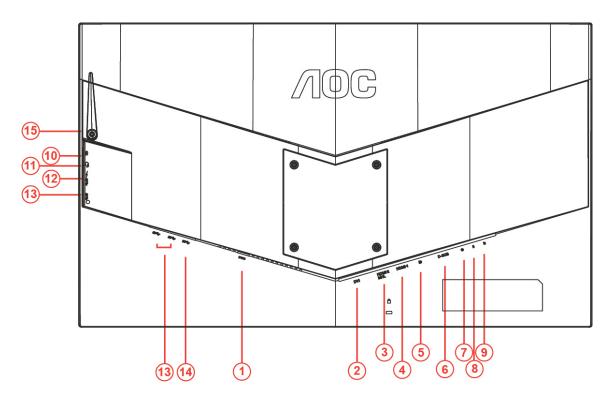
Remark: The indicated time "3 sec later" may vary depending on the mobile device.

#### When the mobile device is not connected or does not support MHL

• If MHL mode is not activated even though the mobile device supports MHL, check if mobile device MHL port is MHL standard port otherwise an additional MHL-enabled adapter is required.

## **Connecting the Monitor**

Cable Connections In Back of Monitor and Computer:



1	Power	9	Quick Switch port
2	DVI Dual-Link	10	Microphone in
3	HDMI-2(HDMI1.4)/MHL	11	Earphone( Combined with Microphone)
4	HDMI-1(HDMI1.4/2.0)	12	USB3.0 downstream + fast charging
5	DP	13	USB3.0 downstream
6	D-SUB	14	USB3.0 upstream
7	Audio line in	15	Headphone hook
8	Microphone out		

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

- 1 Connect the power cable to the DC 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 (Optional Requires a video card with DVI port) 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 (Optional Requires a video card with HDMI port) Connect one end of the HDMI cable to the back of the monitor and connect the other end to the computer's HDMI port.
- 5 (Optional –Requires a video card with Audio port) Connect one end of the Audio cable to the back of the monitor and connect the other end to the computer's Audio port.
- 6 (Optional–Requires a video card with DP port) –Connect one end of the DP cable to the back of the monitor and connect the other end to the computer's DP port.

- 7 Turn on your monitor and computer.
- Video content supporting resolution:
   VGA:1920x1080@60Hz(Maximum)
   DVI Dual-Link\ MHL:2560x1440@60Hz(Maximum)
   HDMI1.4:2560x1440@75Hz(Maximum)
   DP\HDMI2.0:2560x1440@144Hz(Maximum)

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

## System requirement

## Adaptive-Sync function

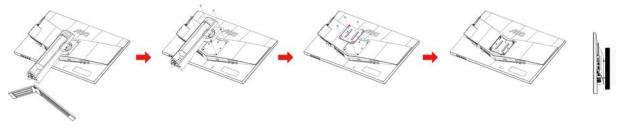
- 1. Adaptive-Sync function is working with DP/HDMI1/HDMI2
- DP : 30~144Hz
- HDMI1:30~144Hz(HDMI2.0)
- HDMI1:30~75Hz(HDMI1.4)
- HDMI2:30~75Hz

2. Compatible Graphics Card: Recommend list is as the below, also could be checked by visiting <u>www.AMD.com</u>

- AMD Radeon R9 295X2
- AMD Radeon R9 290X
- AMD Radeon R9 290
- AMD Radeon R9 285
- AMD Radeon R7 260X
- AMD Radeon R7 260

# 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.

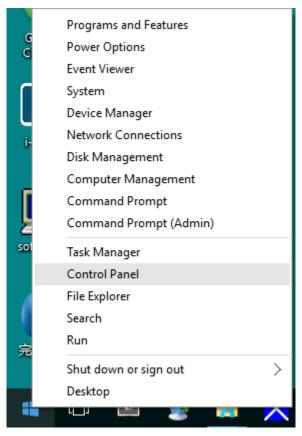
# Adjusting

# **Setting Optimal Resolution**

### Windows 10

#### For Windows 10:

- Right click START.
- Click "CONTROL PANEL".



• Click "DISPLAY".



• Click on the "Change display settings" button.

🔟 Display		-	×
- → ∽ ↑ 💷 > Control	Panel > All Control Panel Items > Display 🗸 🖑	Search Control Panel	þ
ile Edit View Tools Help	1		
Control Panel Home	Change size of items		
Adjust resolution Calibrate color	To change the size of text, apps, and other items, <u>use these display settings</u> . If you want to temporarily enlarge a portion of your screen, use <u>Magnifier</u> . If neither of these makes the changes you want, you can <u>set a custom</u> <u>scaling level</u> (not recommended). Setting custom levels can lead to unexpected behavior on some displays.		
<u>Change display settings</u> Adjust ClearType text	Change only the text size		
	Instead of changing the size of everything on the desktop, change only the text size for a specific item.           Title bars         9         Bold		
	Apply		
See also Personalization			
Devices and Printers			

• Set the resolution **SLIDE-BAR** to Optimal preset resolution.

Screen Resolution			_	
← → ~ ↑ 💷 > Control Pa File Edit View Tools Help	nel > All Control Panel Items > Display > Screen Resolution	~ O	Search Control Panel	م
	Change the appearance of your display	Detect		
		Identify		
	Display: 1. B24 ~ Resolution: 1920 × 1080 (Recommended) ~			
	Orientation: Landscape ~	Advanced settings		
	Make text and other items larger or smaller What display settings should I choose?			
		OK Cancel Apply		

#### Windows 8

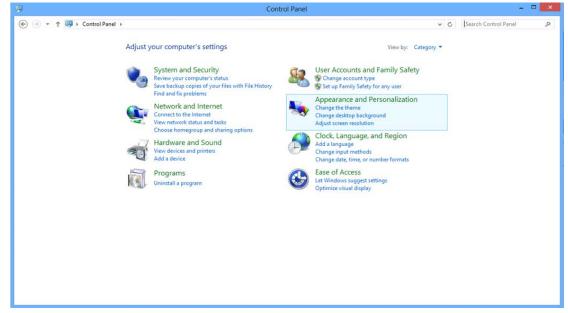
For Windows 8:

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



tere 🔁	trans		Wordfad	Computer
Caundar	Subw	Catalator	X <sup>1</sup> S Veser	Cartral Fund
Canona Canona	iports 💽	Character Map		Crisic Program
Contraction of the second	1 to 1	Math Agest Fanal	Wagutor	The bagkner
and france	teet 🔝	and the second	Tanutur .	20 Suddy and Support
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E Harret bester	nater 🔛	Renote Destop Cirentfor	Windows Speech Recognition	Task Manager
🖂 Mai		Snapping Novi		Window Debrake
Real Mark		Sound Recorder	GUNe+	Sector Sector
Lincapeq		Dept Receipe	CRUVes Hep	Wintow Lay basin Apon
CO Mark		taxiy hites	Wintows Performance.	2 Windows Four-field
E texa		Winstown Fax and Scan	Windows Performance	
The second s		Mindows Journal		
Plates		Windows Martin	Convent Prompt	

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



• Click "DISPLAY".

5	Appearance and Personalization			. 🗆 🗙
🛞 🍥 👻 🕆 💺 > Control Panel 🔸	Appearance and Personalization >	v ¢	Search Control Panel	Q
Ease of Access	Change the theme   Change dektop background   Change the color of your taskbar and window borders   Change sound effects   Change screen saver Display Make text and other items larger or smaller   Adjust screen resolution Taskbar Customize icons on the taskbar			

• Set the resolution SLIDE-BAR to Optimal preset resolution

M.		Screen Resolution			-	
🛞 🎯 👻 🕇 💆 🕨 Control Pa	nel > Appearance and Personalization			~ C	Search Control Panel	م
			Detect Identify Advanced settings			
	2	1024 × 768 Low	OK Cancel Apply			

#### Windows 7

For Windows 7:

- Click START.
- Click "CONTROL PANEL".

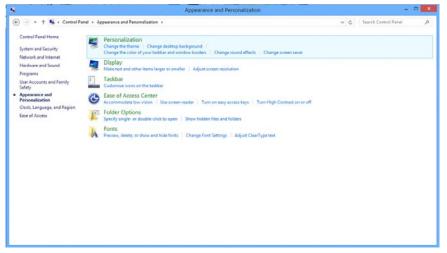


Click "Appearance".

٠

Adjust your computer's settings				View by: Smart icces *	
Actors Center	C Administrative Tools	K& Automay	He Bachup and Restore		
Color Management	E Cristertial Manager	all Date and Time	Certaut Programs		
Desktop Gadgets	J Device Manager	wig Devices and Printers	Ciscley		
Ease of Access Center	Folder Cortions	A Forms	3 Getting Started		
	- Distancing Options	🐑 Internet Options	🗢 Kryboard		
Location and Other Servors	J Mouse	Network and Sharing Center	Notification Area Scone		
NVIDGA Control Parsel	NVSD6A PhysiX	A Parental Controls	/ Pen and Touch		
Performance Information and Tools	Personalization	A Prone and Modern	Power Options		
Programs and Features	🗃 Realtek HD Audio Manager	🛋 Recovery	A Region and Language		
RemoteApp and Desitop Connections	- @ Sound	Ø Speech Recognition	😁 Sync Center		
System	Tanim PC Semisgi	1 Talabar and Start Menu	Troublesholding		
User Accounts	A Windows Anytime Upgrade	Windows CardSpace	Mindows Defender		
Windows Firewall	Windows Updata				

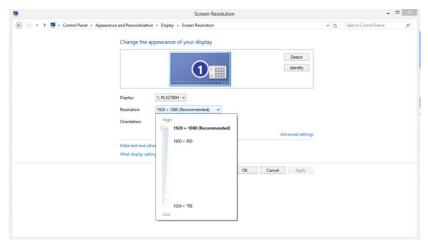
• Click "DISPLAY".



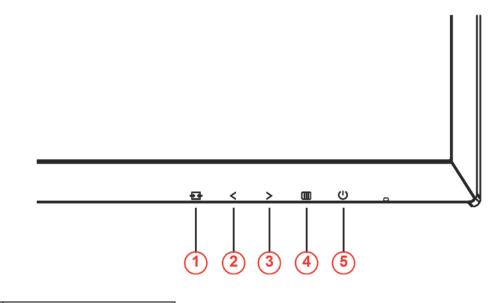
• Click on the "Change display settings" button.



• Set the resolution SLIDE-BAR to Optimal preset resolution



## **Hotkeys**



1	Source/Auto/Exit
2	Game Mode/<
3	Shadow Control />
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.

#### Shadow Control/>

When there is no OSD, Press Shadow Control button to active Shadow Control adjustment bar, Press <or > to adjust contrast for clear picture.

#### Game Mode/<

When there is no OSD, press the minus key to open game mode function, then press < or > key to select game mode (FPS, RTS, Racing, Gamer 1, Gamer 2 or Gamer 3) basing on the different game types.

### E Source/Auto/Exit

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

# **OSD Setting**

Basic and simple instruction on the control keys.

	ir	Tage Setup	Color Setup		re Boost	S OSD S	<b>b</b> Setup	Game Setting	X Extra	Exit
Contrast	-									
Brightness				DCR						
Eco mode	•	Standard	•							

- 1) Press the **IIII-button** to activate the OSD window.
- 2) Press< or >to navigate through the functions. Once the desired function is highlighted, press the III-button to activate it . press
  or >to navigate through the sub-menu functions. Once the desired function is highlighted, press IIII-button to activate it.
- 3) Press< or >to change the settings of the selected function. Press 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 **button** while the monitor is off and then press **button** to turn the monitor on. To un-lock the OSD press and hold the **button** while the monitor is off and then press **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) ECO modes(except Standard mode), DCR, DCB mode and Picture Boost, for these four states that only one state can exist.

## Luminance

		Mage Setup	Color Setup		re Boost	Solor S	etup	Game Setting	× Extra	Exit
Contrast	-									
	-			DCR		Off				
Eco mode										

- 1. Press III (Menu) to display menu.
- 2. Press< or >to select (Luminance), and press to enter.
- 3. Press< or >to select submenu, and press to enter.
- 4. Press< or >to adjust.
- 5. Press to exit.

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

## Image Setup

	Color Setup	Picture Boost	OSD Setup	Game Setting	X Extra	Exit	Luminance
Clock	50		Position	50			
Phase	50		Position	50			
Sharpness	50						

- 1. Press III (Menu) to display menu.
- 2. Press< or >to select

(Image Setup), and press III to enter.

- 3. Press< or >to select submenu, and press 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**

	Picture Boo	ost	OSD Setup	Game Setting	) Extra	Exit	Luminance	Image Setup
				i 📃	50			
DCB Mode	Off			en 📃	50			
DCB Demo	Off			e 📃	50			

- 1. Press III (Menu) to display menu.
- 2. Press< or >to select (Color Setup), and press to enter.
- 3. Press< or >to select submenu, and press 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 Temp.	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**

Colore Basel	Sg OSD Setup	Game Setting	× Extra	Exit	- 🔆 - Luminance	Image Setup	Color Setup
Bright Frame			ntness	_			
Frame Size		Con	trast				

- 1. Press IIII (Menu) to display menu.
- 2. Press< or >to select (Picture Boost), and press to enter.
- 3. Press< or >to select submenu, and press to enter.
- 4. Press< or >to adjust.
- 5. Press to exit.

	Bright Frame	on or off	Disable or Enable Bright Frame				
	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				

#### Note:

Adjust the brightness, contrast, and position of the Bright Frame for better viewing experience.

## **OSD Setup**

< 🜏 >	Game Setting		兴 Extra	Exit	- XXX- Luminance	Image Setup	Color Setup	Picture Boost	
Language		English		H. Position		50	Transparence	25	
DP Capability				HDMI			Volume	50	

- 1. Press IIII (Menu) to display menu.
- 2. Press< or >to select (OSD Setup), and press to enter.
- 3. Press< or >to select submenu, and press to enter.
- 4. Press< or >to adjust.
- 5. Press 🛨 to exit.

	Language		Select the OSD language .
	Timeout	5-120	Adjust the OSD Timeout.
	H.Position	0-100	Adjust the horizontal position of OSD.
	V.Position	0-100	Adjust the vertical position of OSD.
0	Transparence	0-100	Adjust the transparence of OSD.
	Break Reminder	on or off	Break reminder if the user continuously work for more than 1hrs.
	DP Capability	1.1/1.2	please be noted that only DP1.2 support free sync function.
	HDMI	1.4/2.0	The factory default setting is at HDMI 2.0.But HDMI 1.4 supports most Blu-Ray/DVD players on the market.
	Volume	0-100	Volume Adjustment.

## Game Setting

< 🚧 > Game Gelling		) Extra	Exit	Luminance		e Setup	Color Setup	Picture Boost	OSD Setup
		Off		Game Color					
	-	-				Off			
		Off		Overdrive		Off			

- 1. Press III (Menu) to display menu.
- 2. Press< or >to select (Game setting), and press to enter.
- 3. Press< or >to select submenu, and press to enter.
- 4. Press< or >to adjust.
- 5. Press 🛨 to exit.

		FPS	For playing FPS(first Person Shooters) games. Improves dark theme black level details.			
		RTS	For playing RTS(Real Time Strategy). Improves the image quality.			
		Racing	For playing Racing games, Provides fastest response time and high color saturation.			
	Game Mode	Gamer 1	User's preference settings saved as Gamer 1.			
		Gamer 2	User's preference settings saved as Gamer 2.			
		Gamer 3	User's preference settings saved as Gamer 3.			
		off	No optimization by SmartImage game.			
<b>P</b>	Shadow Control 0-100		<ul> <li>Shadow Control Default is 50, then end-user can adjust from 50 to 100 or 0 to increase contrast for clear picture</li> <li>If picture is too dark to be saw the detail clearly, adjusting from 50 to100 for clear picture.</li> <li>If picture is too white to be saw the detail clearly, adjusting from 50 to0 for clear picture.</li> </ul>			
	Low input Lag	On/off	Turn off frame buffer to decrease input lag.			
	Game Color	0-20	Game Color will provide 0-20 level for adjusting saturation to get better picture.			
	Low Blue Light	Off/Weak/ Medium/Strong	Decrease blue light wave by controlling color temperature.			
		Weak				
	Overdrive	Medium	Adjust the response time.			
	Overarive	Strong	,			
		Off				

## Extra

< <mark>X</mark> >	Y B	<b>F</b> kit	- 🄆 Luminance	Image Setup	Color Setup		Picture Boost	Sg OSD Setup	Game Setting
Input Select		Auto		Image Ratio	Wide	•	Resoluti	on : 2560(H)X144	0(V)
				DDC/CI				iency : 45KHz	

- 1. Press III (Menu) to display menu.
- 2. Press< or >to select  $\checkmark$  (Extra), and press to enter.
- 3. Press< or >to select submenu, and press to enter.
- 4. Press< or >to adjust.
- 5. Press 🛨 to exit.

	Input Select	AUTO/D-SUB/DVI/HDMI1/H DMI2-MHL/DP	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/4:3/1:1/17"(4:3) /19"(4:3) /19"(5:4) /19"W(16:10)/21.5"W(16:9) /22"W(16:10)/23"W(16:9)	Select image ratio 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

< Y > A	The setup	Color Setup	Picture Boost	Sy OSD Setup	Game Setting	) Extra

- 1. Press III (Menu) to display menu.
- 2. Press< or >to select (Exit), and press to enter.
- 3. Press to exit.

Exit Exi	xit the main OSD.
----------	-------------------

# **LED Indicator**

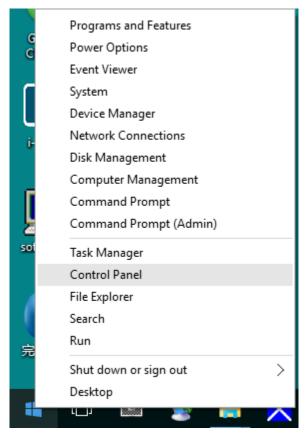
Status	LED Color
Full Power Mode	White
Active-off Mode	Orange

# Driver

## **Monitor Driver**

### Windows 10

- Start Windows® 10
- Right click START.
- Click "Control Panel".

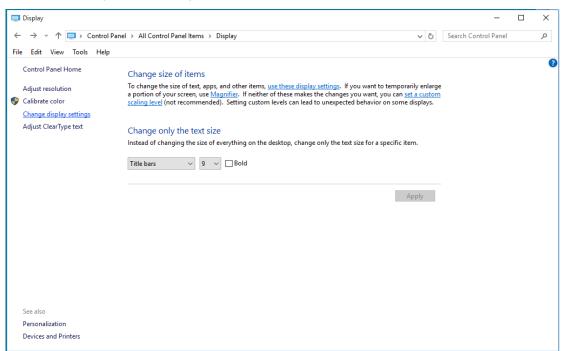


Click on the "Display" icon.

•



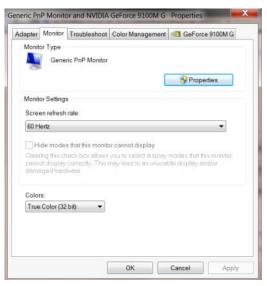
• Click on the "Change display settings" button



#### • Click the "Advanced Settings" button.

Screen Resolution			-	×
← → × ↑ 🗔 > Control Pan File Edit View Tools Help	el > All Control Panel Items > Display > Screen Resolution	v Ö	Search Control Panel	<i>م</i>
		Detect Identify		
	Display:     1. B24       Resolution:     1920 × 1080 (Recommended)       Orientation:     Landscape			
	Make text and other items larger or smaller What display settings should I choose?	vanced settings		
	OK Cancel	Apply		

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



• Click the "Driver" tab.

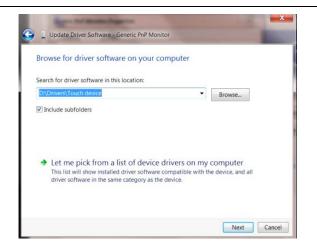
Generic PnP Mor	
	nitor
Driver Provider.	Microsoft
Driver Date:	6/21/2006
Driver Version:	6.1.7600.16385
Digital Signer:	Microsoft Windows
er Details	To view details about the driver files.
te Driver	To update the driver software for this device.
ack Driver	If the device fails after updating the driver, roll back to the previously installed driver.
isable	Disables the selected device.
install	To uninstall the driver (Advanced).
	Driver Date: Driver Version:

• 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.	
	accure one notal error software managery.	

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



• 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).

rsert the manufacturer's installation disk, and then make ure that the correct drive is selected below.	OK Cancel
Copy manufacturer's files from:	

- Select the "xxx.inf" file and click the "Open" button. Click the "OK" button.
- Select your monitor model and click the "Next" button. The files will be copied from the CD to your hard disk drive.
- Close all open windows and remove the CD.
- Restart the system. The system will automatically select the maximum refresh rate and corresponding Color Matching Profiles.

### Windows 8

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



- Click on the "Control Panel"icon
- Set the "View by" to "Large icons" or "Small icons".

djust your computer's settings					Category
Action Center	Administrative I	cols	1 lift ocker Drive Focryption	🛃 Color Management	Large scores Small scores
Credential Manager	Date and Time	Default Programs	Device Manager	mig Devices and Printers	
Display	G Ease of Access C	enter 🦓 Family Safety	File History	Flash Player (32-bit)	
Folder Options	Forts	NomeGroup	De Indexing Options	R Internet Options	
C Keyboard	Stanguage	Location Settings	It Mouse	Network and Sharing Center	
Notification Area Icons	NVIDIA Control	Panel Performance information and Tools	n 💐 Personalization	Phone and Modern	
Power Options	R Programs and Fe	natures 🙀 Recovery	🔗 Region	RemoteApp and Desktop Connections	
Sound	👌 Speech Recognit	ion Storage Spaces	Sync Center	System	
Taskbar	Troubleshooting	Luser Accounts	Windows 7 File Recovery	Windows Defender	
Windows Firewall	Wisdows Updat				

• Click on the "Display"icon.

Calar Management     Einternamment       Destrop Gedgets     Device N       Vestrop Gedgets     Einternamment       Hammelling     Statement       Hammelling     Statement       Buccoton and Other Services     Mounement       WXDDN Control Fame     M NUDDN 7	tanager wij Devices i utions A Form Options Continues	and Printers	Default Programs     Display     Getting Started	
Ease of Access Center     E Folder O     AnneeGroup     Location and Other Sensors     Orace     Mouse	orione 🙀 Fonts Optione 🐑 brannet	8	Getting Started	
HomeGroup & Haming Cocation and Other Sereors I Mouse	Options 🐑 baarset			
Location and Other Servors I Mouse		Options .		
	22 Notwork		<ul> <li>Kryboard</li> </ul>	
NVEDSA Control Parkel 48 NVEDSA 7		and Sharing Center	Notification Area Score	
	hysX 💩 Parental	Controls /	Pen and Touch	
Performance Information and Tools 🛛 🦉 Personal	zation (a) Phone at	a Modern	Prover Options	
Programs and Features 🛛 🖉 Reatlek i	iD Audio Manáger 🛋 Recovery	6	Region and Language	
RemoteApp and Desitop Connections @ Sound	0 Speech F	ecophtion 6	Sync Center	
🖌 fystem 🖉 Tablet N	Cerrospi 🔃 Talamari	and Start Menu	Troublesholdting	
User Accounts AL Windows	r Anytime Upgrade 🛛 🐧 Window	CardSpace	Windows Defender	
Windows Firewall	s Updater			

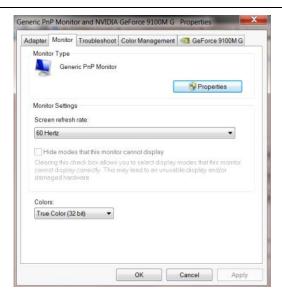
• Click on the "Change display settings" button.

🕥 - 🔍 • Control Panel •	All Control Panel Items + Display		Service Costing Panel
Control Panel Home	Make it easier to read what's or	Voia Screen	
Adjust resolution	You can charge the size of text and other	items on your scieen by choosing one of these options. To	
Calibrate color	temporarily enlarge just part of the screet	Luse the Magnifier tool.	
Charge, display, settings Argust ClearType text	() Smaller - 300%	Preview	
Set custom text size (DPD)	A Medium - 125% (default)	GR 1000	
	🗇 Larger - 150%		
		ALONY	
ee also			
ersonalization			

• Click the "Advanced Settings" button.

😭 🎯 - 🍳 + Control Panel + All Co	ensit Herni + Diarlay + Screen Resentation Change the appearance of your display Densit	Be Seach Carbol Pane
	Display L. Norda Default Flav Flave - Resolution: 1507 - 1500 (secontinended) • Orientation: Landatage •	
	Advanced setting	
	What display settings should Echose?	

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

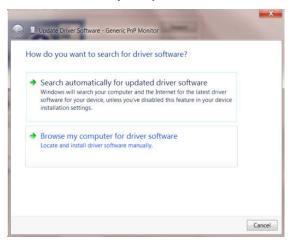


• Click the "Driver"tab.

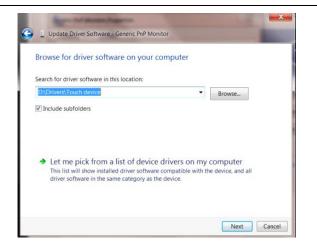


• Open the "Update Driver Software-Generic PnP Monitor" window by clicking on "Update Driver..." and then

click the "Browse my computer for driver software" button.



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



• 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 From	the manufacturer and model of your hardware device ar n Disk	then click Nev
4	Inset 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

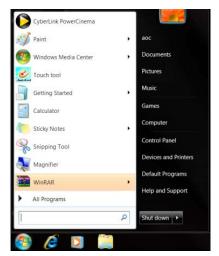
- Select the "xxx.inf" file and click the "Open" button. Click the "OK" button.
- Select your monitor model and click the "Next"button. The files will be copied from the CD to your hard disk

drive.

- Close all open windows and remove the CD.
- Restart the system. The system will automatically select the maximum refresh rate and corresponding Color Matching Profiles.

### Windows 7

- Start Windows® 7
- Click on the "Start" button and then click on "Control Panel".



• Click on the "Display"icon.

Action Center     Q) Adversariation Foldon     Kg/ Adversariation Foldon     Behaviour and Readous Adversariation and Rea					
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Lither Accounts 🐴 Windows Anytime Lipgrade 🕅 Windows Cant/Space 🔤 Windows Defender	RemoteApp and Desitop Connections	(P Sound	Ø Speech Recognition	Sync Center	
	System	Tanier PC Serrings	1 Talabar and Start Menu	Troubleshooting	
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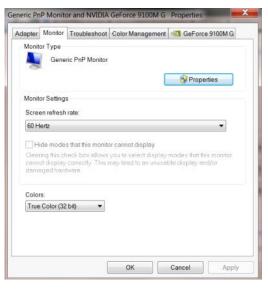
• Click on the "Change display settings" button.



• Click the "AdvancedSettings" button.

Change the appearance of your display	
<b>1</b>	
Display 1. Neolia Default Flat Panel. +	
Resolution: [920 + 1080 (recommended) • Orientation: Landscape •	
Adranced Male test and other items talger or smaller What display withings weard 1 choice?	attingi
OK Cancel A	ophy .

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

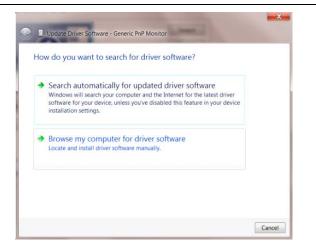


Click the "Driver" tab.

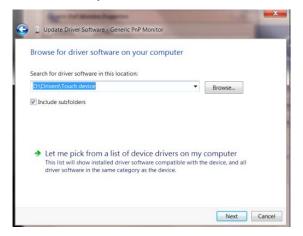
•



• 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.

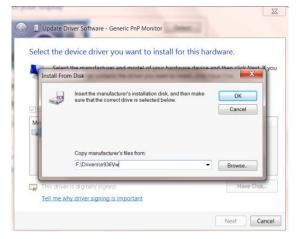


• Select "Let me pick from a list of device drivers on my computer".



• 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).



- Select the "xxx.inf" file and click the "Open" button. Click the "OK" button.
- Select your monitor model and click the"Next" button. The files will be copied from the CD to your hard disk

drive.

- Close all open windows and remove the CD.
- Restart the system. The system will automatically select the maximum refresh rate and corresponding Color Matching Profiles.

## 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. The software Supported operating systems: Windows 10, Windows 8, Windows 7.



## e-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.



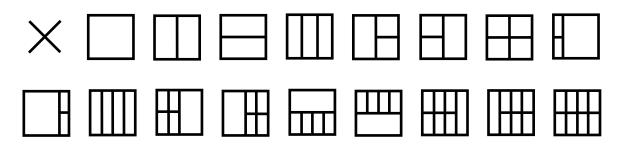
You can click "RESET" to set the e-Saver to its default settings like below.



## Screen+



Welcome to "Screen+" software by AOC. Screen+ software is a desktop screen splitting tool; it splits the desktop into different panels, and each panel displays a different window. You only need to drag the window to a corresponding panel when you want to access it. It supports multiple monitor display to make your task easier. Please follow the installation software to install it. The software Supported operating systems: Windows 10, Windows 8, Windows 7.



# 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 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 to adjust CLOCK and FOCUS. Press to auto-adjust.
DP (V1.2) image anomalies	Please DP in the OSD menu is set to 1.1 or reset.

# **Specification**

## **General Specification**

	Model name	AG241QX	
	Driving system	TFT Color LCD	
	Viewable Image Size	60.4 cm diagonal	
Panel	Pixel pitch	0.2058mm(H) x 0.2058mm(V)	
	Video	R, G, B Analog Interface & DVI interface DP Interface	& HDMI Interface &
	Separate Sync.	H/V TTL	
	Display Color	16.7M Colors	
	Horizontal scan range	30k - 99kHz(D-SUB/DVI-Dual-Link/MHL 30k-160kHz(HDMI1.4b) 30k-230kHz(HDMI2.0) 230k-230kHz(DP)	)
	Horizontal scan Size(Maximum)	526.85mm	
	Vertical scan range	23-76Hz(MHL) 50-76Hz(D-SUB/DVI-Dual-Link) 30-146Hz(HDMI/DP)	
	Vertical Scan Size(Maximum)	296.35mm	
	Optimal preset resolution	1920x1080@60Hz(D-SUB/MHL) 2560x1440@60Hz(DVI-Dual-Link/HDMI 2560x1440@144Hz(DP/HDMI2.0)	1.4b/DP)
Others	Plug & Play	VESA DDC2B/CI	
	Input Connector	VGA /DVI Dual-Link/HDMI/MHL/DP/Aud	io input/USB
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM, TM	1DS
	Output Connector	Earphone/Microphone out	
	Power Source	20Vdc, 3.25A	
		Typical(Brightness = 90,Contrast = 50)	47W
	Power Consumption	(brightness = 100, contrast =100)	96W
		Power saving	≪0.5W
	Off timer	0~24 hrs	
	Speakers	3W x 2	
	Connector Type	VGA/DVI Dual-Link/HDMI/MHL/DP/Audi out/Microphone in/Microphone out/USB3	
	Signal Cable Type	Detachable	
Physical	Dimensions & Weight:		
Physical Characteristics	Height(with Base)	409~539mm	
	Width	553mm	
	Depth(with Base)	218mm	
	Weight(Monitor only)	6.52Kg	

		Operating	0°~ 50°
	Temperature	Non-Operating	-25°~ 55°
Environmentel	Llumiditu	Operating	10% ~ 85% (non-condensing)
Environmental	Humidity	Non-Operating	5% ~ 90% (non-condensing)
	Altitude	Operating	0~ 5000 m (0~ 16404ft )
	Allitude	Non-Operating	0~ 12192m (0~ 40000ft )

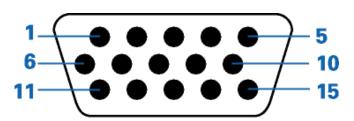
## Preset Display Modes

STANDARD	RESOLUTION	HORIZONTAL FREQUENCY(kHz)	VERTICAL FREQUENCY(Hz)
	640×480 @60Hz	31.469	59.940
VGA	640×480 @67Hz	35.000	66.667
VGA	640×480 @72Hz	37.861	72.809
	640×480 @75Hz	37.500	75.000
Dos-mode	720×400 @70Hz	31.469	70.087
	800×600 @56Hz	35.156	56.250
	800×600 @60Hz	37.879	60.317
SVGA	800×600 @72Hz	48.077	72.188
	800×600 @75Hz	46.875	75.000
	832×624 @75Hz	49.725	74.551
	1024×768 @60Hz	48.363	60.004
	1024×768 @70Hz	56.476	70.069
	1024×768 @75Hz	60.023	75.029
XGA	1024×768 @75Hz	60.241	74.927
	1024×768 @100Hz	60.023	75.029
	1024x768@120Hz	97.551	119.989
	1152x864@75Hz	67.500	75.00
HD	1280×720 @60Hz	45.000	60.000
TID TID	1280×960 @60Hz	60.000	60.000
SXGA	1280×1024 @60Hz	63.981	60.02
enter (	1280×1024 @75Hz	79.976	75.025
WXGA+	1440×900 @60Hz	55.935	59.887
WSXGA	1680X1050 @60Hz	65.290	59.954
	1920×1080@60Hz	67.500	60.000
FHD	1920×1080@100Hz	112.5	100
	1920×1080@120Hz	135	120
	2560x1440@60Hz	88.787	59.951
	2560x1440@75Hz	66.636	74.968
QHD	2560x1440@100Hz	150.998	99.99
	2560x1440@120Hz	182.997	119.998
	2560x1440@144Hz	222.056	143.912

## For MHL:

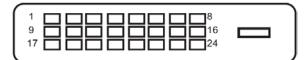
Format	Resolution	Vertical frequency
480p	720 x 480	60Hz
576p	720 x 576	50Hz
720p	1280 x 720	50Hz , 60Hz
1080p	1920 x 1080	60Hz

## **Pin Assignments**



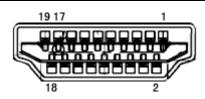
### 15-Pin Color Display Signal Cable

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

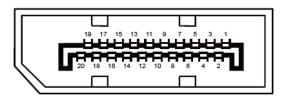


#### 24-Pin Color Display Signal Cable

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



Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
1.	TMDS Data 2+	9.	TMDS Data 0-	17.	DDC/CEC Ground
2.	TMDS Data 2 Shield	10.	TMDS Clock +	18.	+5V Power
3.	TMDS Data 2-	11.	TMDS Clock Shield	19.	Hot Plug Detect
4.	TMDS Data 1+	12.	TMDS Clock-		
5.	TMDS Data 1Shield	13.	CEC		
6.	TMDS Data 1-	14.	Reserved (N.C. on device)		
7.	TMDS Data 0+	15.	SCL		
8.	TMDS Data 0 Shield	16.	SDA		



20-Pin Color Display Signal Cable

Pin No.	Signal Name	Pin No.	Signal Name
1	ML_Lane 3 (n)	11	GND
2	GND	12	ML_Lane 0 (p)
3	ML_Lane 3 (p)	13	CONFIG1
4	ML_Lane 2 (n)	14	CONFIG2
5	GND	15	AUX_CH(p)
6	ML_Lane 2 (p)	16	GND
7	ML_Lane 1 (n)	17	AUX_CH(n)
8	GND	18	Hot Plug Detect
9	ML_Lane 1 (p)	19	Return DP_PWR
10	ML_Lane 0 (n)	20	DP_PWR

## **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)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 with upcoming 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" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

# 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>

## 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:<u>http://www.aocmonitorap.com</u>



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

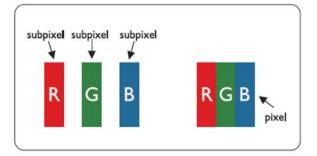
## AOC PIXEL POLICY ISO 9241-307 CLASS 1

July 25<sup>th</sup>, 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	Defect Type	Defect Type 2	Defect Type 3		Defect Type 4
Pixel Defect Class	1Bright Pixel	Black Pixel	Bright Sub pixel		Black Sub pixel
			2	+	1
Classe 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 PERIOD	COVERAGE AT NO CHARGE	CUSTOMER CHARGES
Within the first three months of purchase: Covered by EASE	<ul> <li>New AOC monitor</li> <li>Call tag dispatched and return freightcharges via UPS</li> </ul>	- 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.

