

AOC



LCD Monitor User Manual G4309VX/D

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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.

 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 AC, Min. 5A.

 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.

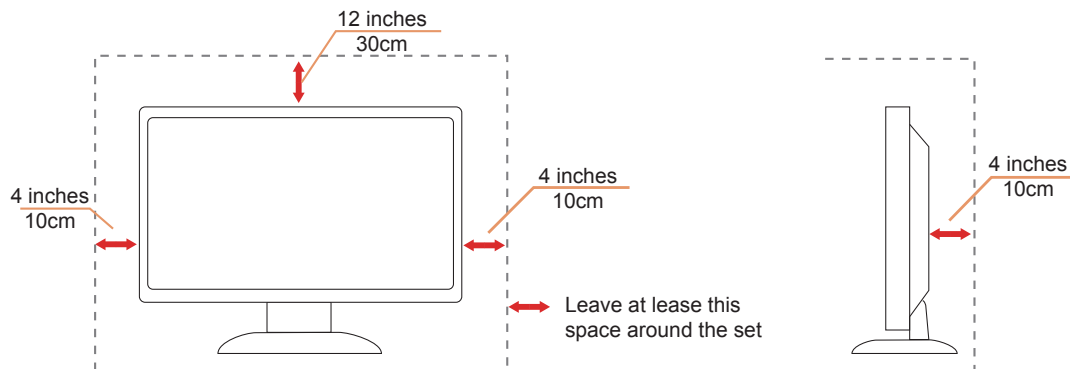
! If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.

! 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.

! To avoid potential damage, for example the panel peeling from the bezel, ensure that the monitor does not tilt downward by more than -5 degrees. If the -5 degree downward tilt angle maximum is exceeded, the monitor damage will not be covered under warranty.

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.

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

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

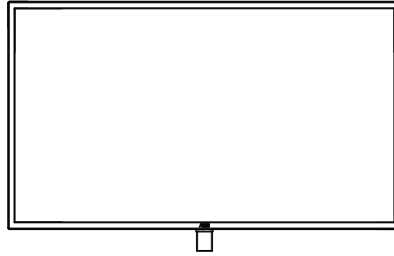
 Do not knock or drop the monitor during operation or transportation.

 The power cords shall be safety approved. For Germany, it shall be H03VV-F, 3G, 0.75 mm², or better. For other countries, the suitable types shall be used accordingly.

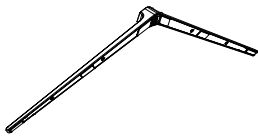
 Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphones and headphones output voltage and therefore the sound pressure level.

Setup

Contents in Box



Monitor



Base



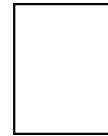
Remote control



Batteries



Quick Start



Warranty Card



Power Cable



HDMI Cable



USB Cable



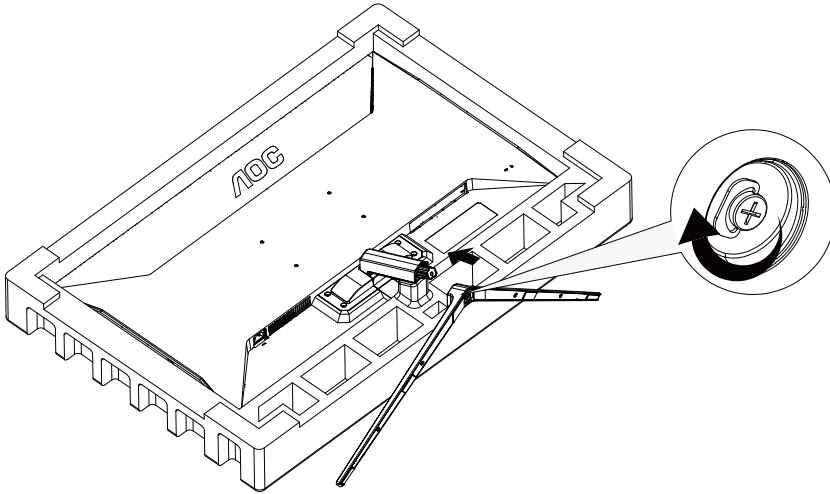
DP Cable

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

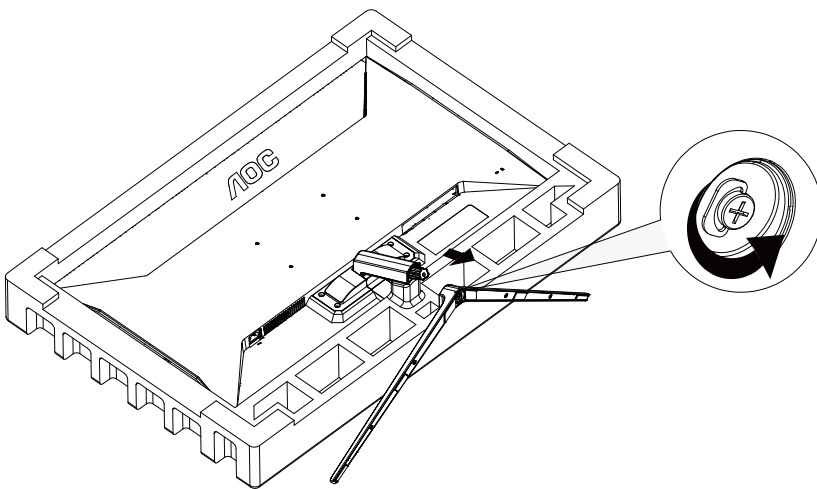
Setup Stand & Base

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

Setup:



Remove:

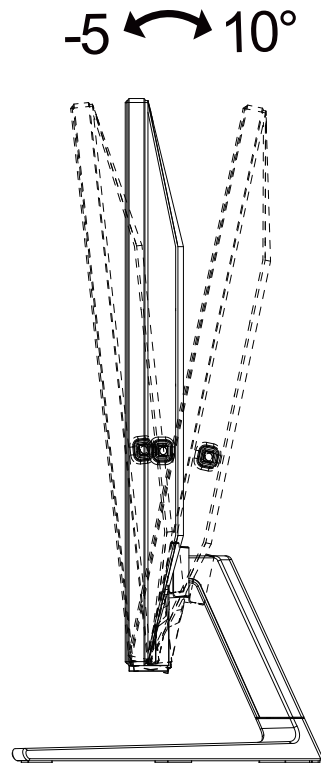


Adjusting Viewing Angle

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

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

You are able to adjust the monitor as below:



NOTE:

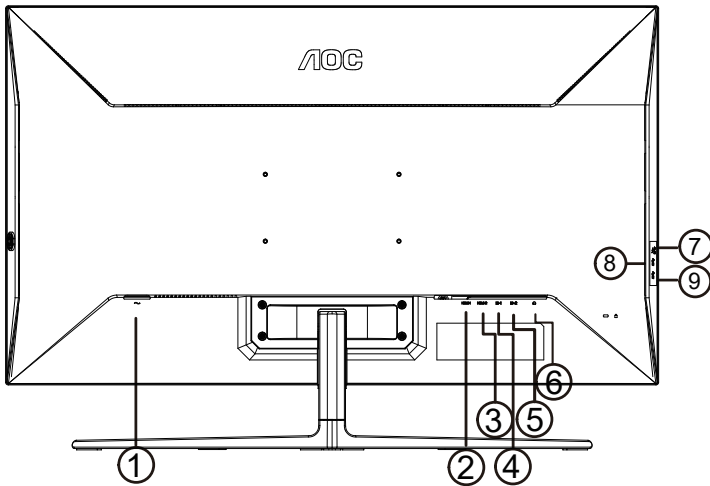
Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

WARNING:

1. To avoid potential screen damage, such as panel peeling, ensure that the monitor does not tilt downward by more than -5 degrees.
2. Do not press the screen while adjusting the angle of the monitor. Grasp only the bezel.

Connecting the Monitor

Cable Connections In Back of Monitor and Computer:



1. Power
2. HDMI-1
3. HDMI-2
4. DP-1
5. DP-2
6. Earphone
7. USB3.2 Gen1 downstream x2
8. USB3.2 Gen1 downstream + fast charging
USB3.2 Gen1 downstream x1
9. USB3.2 Gen1 upstream

Connect to PC

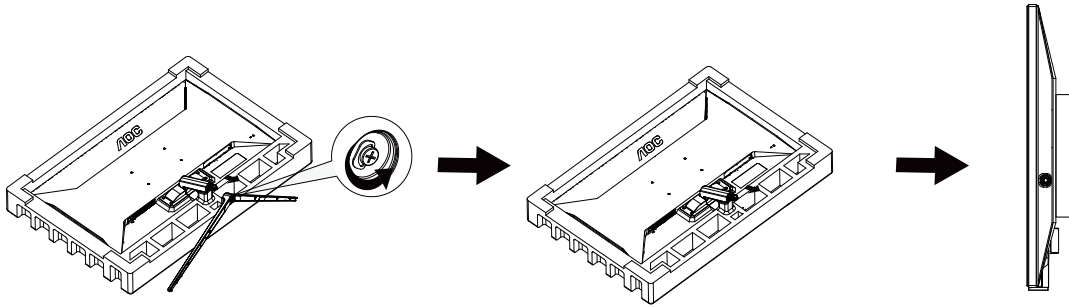
1. Connect the power cord to the back of the display firmly.
2. Turn off your computer and unplug its power cable.
3. Connect the display signal cable to the video connector on the back of your computer.
4. Plug the power cord of your computer and your display into a nearby outlet.
5. Turn on your computer and display.

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

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

De wandmontagearm bevestigen

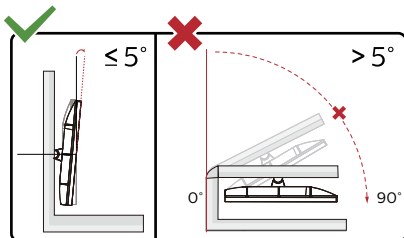
Vorbereiding om een optionele wandmontagearm te installeren.



Deze monitor kan worden bevestigd op een wandmontagearm die afzonderlijk verkrijgbaar is. Koppel de voeding los voordat u met deze procedure begint. Volg de onderstaande stappen:

1. Verwijder de voet.
2. Volg de instructies van de fabrikant om de wandmontagearm te monteren.
3. Monteer de wandmontagearm op de achterkant van de monitor. Lijn de gaten van de arm uit op de gaten in de achterkant van de monitor.
4. Steek 4 schroeven in de gaten en maakt ze vast.
5. Sluit de kabels opnieuw aan. Raadpleeg de gebruikershandleiding die bij de optionele wandmontagearm is geleverd, voor instructies over de bevestiging aan de muur.

Opmerking: de schroefgaten voor VESA-montage zijn niet voor alle modellen beschikbaar. Raadpleeg uw dealer of de officiële afdeling van AOC.



* Het display-ontwerp kan anders zijn dan als geïllustreerd.

Waarschuwing

1. Voor het vermijden van mogelijke schade aan het scherm, bijvoorbeeld het loskomen van het paneel, moet u ervoor zorgen dat de monitor niet meer dan -5 graden omlaag kantelt.
2. Druk niet op het scherm bij het aanpassen van de hoek van de monitor. Pak alleen de rand vast.

Adaptive-Sync function

1. Adaptive-Sync function is working with DP/HDMI
2. Compatible Graphics Card: Recommend list is as the below, also could be checked by visiting www.AMD.com

Graphics Cards

- Radeon™ RX Vega series
- Radeon™ RX 500 series
- Radeon™ RX 400 series
- Radeon™ R9/R7 300 series (excluding R9 370/X)
- Radeon™ Pro Duo (2016 edition)
- Radeon™ R9 Nano
- Radeon™ R9 Fury series
- Radeon™ R9/R7 200 series (excluding R9 270/X, R9 280/X)

Processors

- AMD Ryzen™ 7 2700U
- AMD Ryzen™ 5 2500U
- AMD Ryzen™ 5 2400G
- AMD Ryzen™ 3 2300U
- AMD Ryzen™ 3 2200G
- AMD PRO A12-9800
- AMD PRO A12-9800E
- AMD PRO A10-9700
- AMD PRO A10-9700E
- AMD PRO A8-9600
- AMD PRO A6-9500
- AMD PRO A6-9500E
- AMD PRO A12-8870
- AMD PRO A12-8870E
- AMD PRO A10-8770
- AMD PRO A10-8770E
- AMD PRO A10-8750B
- AMD PRO A8-8650B
- AMD PRO A6-8570
- AMD PRO A6-8570E
- AMD PRO A4-8350B
- AMD A10-7890K
- AMD A10-7870K
- AMD A10-7850K
- AMD A10-7800
- AMD A10-7700K
- AMD A8-7670K
- AMD A8-7650K
- AMD A8-7600
- AMD A6-7400K

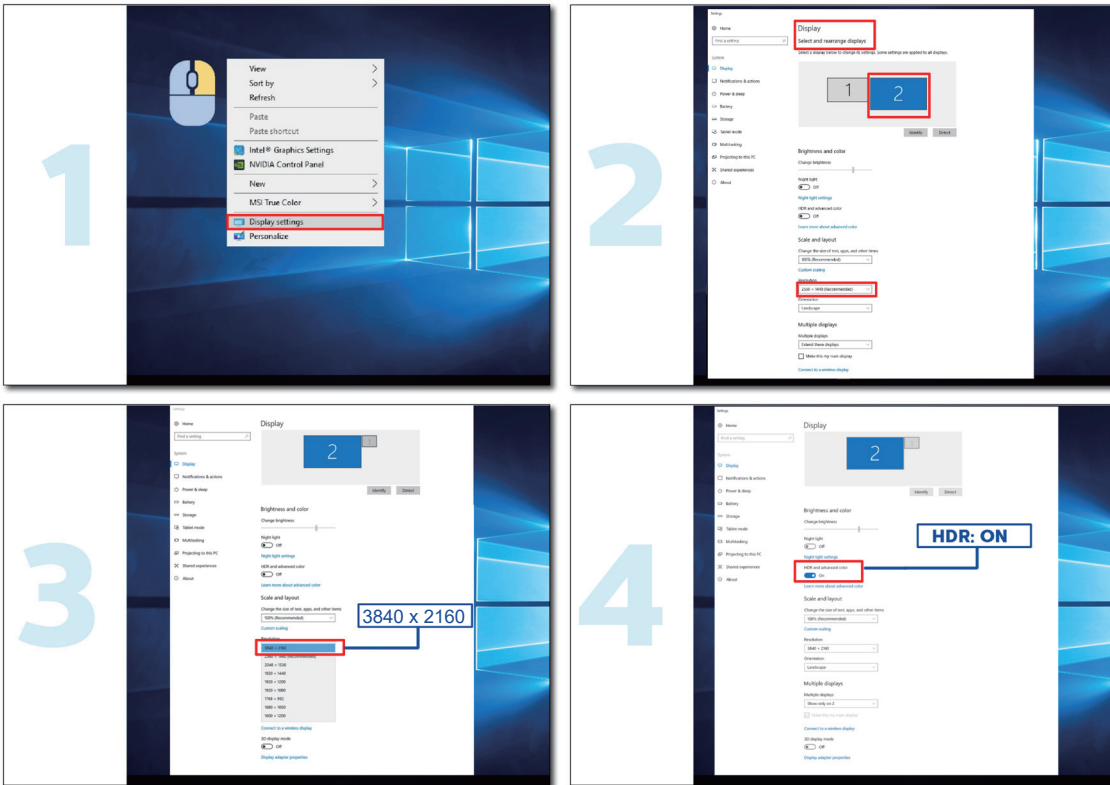
HDR

It is compatible with input signals in HDR10 format.

The display may automatically activate the HDR function if the player and content are compatible. Please contact the device manufacturer and the content provider for information on the compatibility of your device and content. Please select "OFF" for the HDR function when you have no need for automatic activation function.

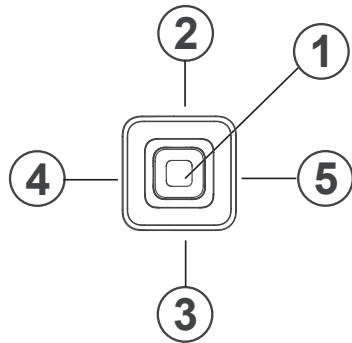
Note:

1. Only the HDMI interface is available and the DisplayPort interface cannot function in WIN10 version V1703.
2. The display resolution is set to 3840x2160@60Hz, and HDR is preset to ON. Under these conditions, the screen may slightly dim, indicating HDR has been activated.



Adjusting

Hotkeys



1	Power/ Menu/Enter
2	Source/Exit/Up
3	Dial Point/Down
4	Image ratio/Right
5	Game Mode/Left

Power/Menu/Enter

Press the Power button to turn on the monitor.

When there is no OSD, Press to display the OSD or confirm the selection. Press about 2 second to turn off the monitor.

Source/Exit/Up

When the OSD is closed, press Source/Exit button will be Source hot key function.

Dint Point /Downl

When there is no OSD, press Dial Point button to show / hide Dial Point.

Image ratio/Right

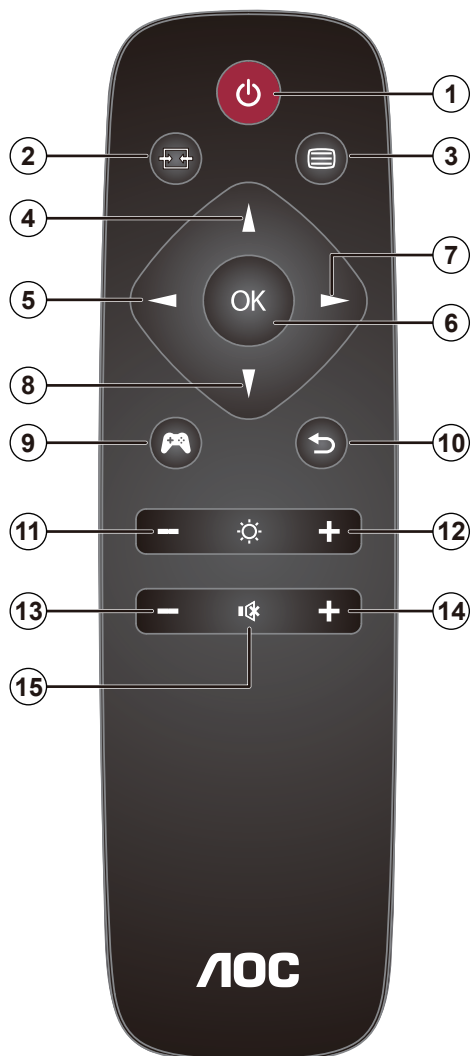
When the OSD menu is disabled, press the right key to switch the image ratio. You can also press the left or right keys to switch the image ratio.

(If the product input resolution is 3840x2160 or PIP/PBP is enabled, the Image Ratio item in OSD cannot be adjusted.)

Game Mode/Left

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

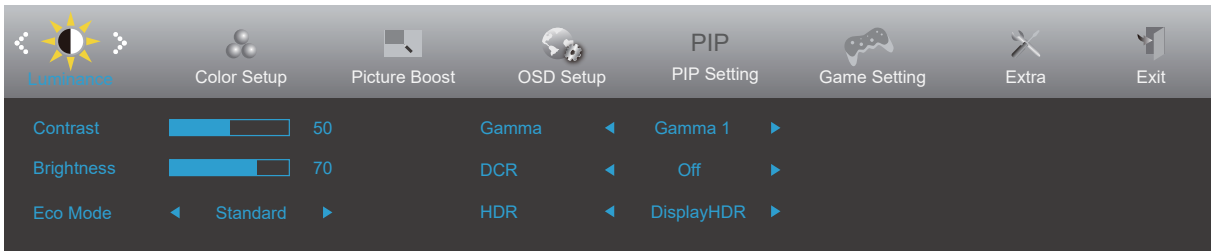
Description of the remote control buttons



①		Press to switch power on and off.
②		Change the signal input source.
③		Access the OSD menu.
④		Adjust the OSD options upwards.
⑤		Return to previous OSD level.
⑥	OK	Confirm the OSD adjustment/ Access the OSD menu. .
⑦		Access the OSD menu. Confirm the OSD adjustment.
⑧		Adjust the OSD options down.
⑨		Open gaming mode.
⑩		Exit OSD menu.
⑪		Turn down the brightness
⑫		Turn up the brightness
⑬		Turn down the volume
⑭		Turn up the volume
⑮		Mute

OSD Setting

Basic and simple instruction on the control keys.

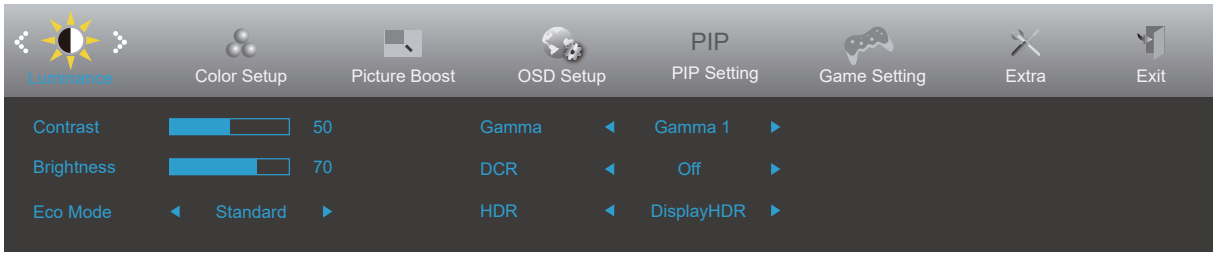










- 1). Press the **MENU-button** to activate the OSD window.
- 2). Press **Left** or **Right** to navigate through the functions. Once the desired function is highlighted, press the **MENU-button** to activate it, press **Left** or **Right** to navigate through the sub-menu functions. Once the desired function is highlighted, press **MENU-button** to activate it.
- 3). Press **Left** or **Right** to change the settings of the selected function. Press **Exit-button** to exit. If you want to adjust any other function, repeat steps 2-3.
- 4). OSD Lock/Unlock Function: To lock or unlock the OSD, press and hold the **Down-button** for 10s while OSD function is not active.

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 states that only one state can exist.

Luminance



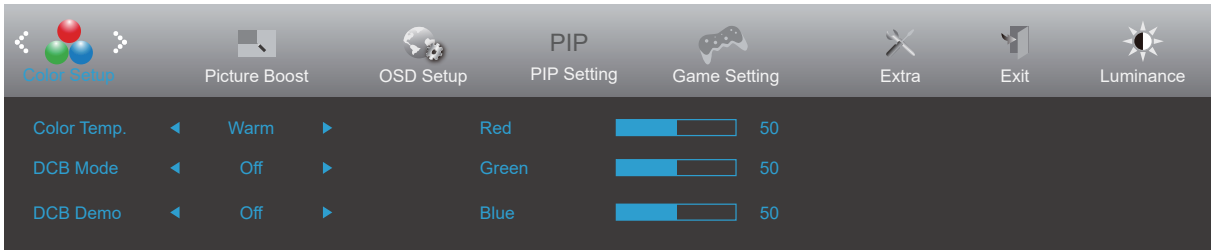
	Contrast	0-100		Contrast from Digital-register.
	Brightness	0-100		Backlight Adjustment
	Eco mode	Standard	<input checked="" type="checkbox"/>	Standard Mode
		Text		Text Mode
		Internet		Internet Mode
		Game		Game Mode
		Movie		Movie Mode
		Sports		Sports Mode
		Reading		Reading Mode
		Uniformity		Uniformity Mode
	Gamma	Gamma1	Adjust to Gamma 1	
		Gamma2	Adjust to Gamma 2	
		Gamma3	Adjust to Gamma 3	
	DCR	Off		Disable dynamic contrast ratio
		On		Enable dynamic contrast ratio
	HDR	Off	Set the HDR profile according to your usage requirements. Note: When HDR is detected, the HDR option is displayed for adjustment.	
		DisplayHDR		
		HDR Picture		
		HDR Movie		
		HDR Game		
HDR Mode	Off	Adjust HDR Mode.		
	HDR Picture			
	HDR Movie			
	HDR Game			


Note:

When "HDR Mode" is set to "non-off", the items "Contrast", "Eco Mode", "Gamma" cannot be adjusted.

When "HDR" is set to "non-off", the items "Contrast", "Brightness", "Eco Mode", "Gamma", "DCR" cannot be adjusted.

Color Setup



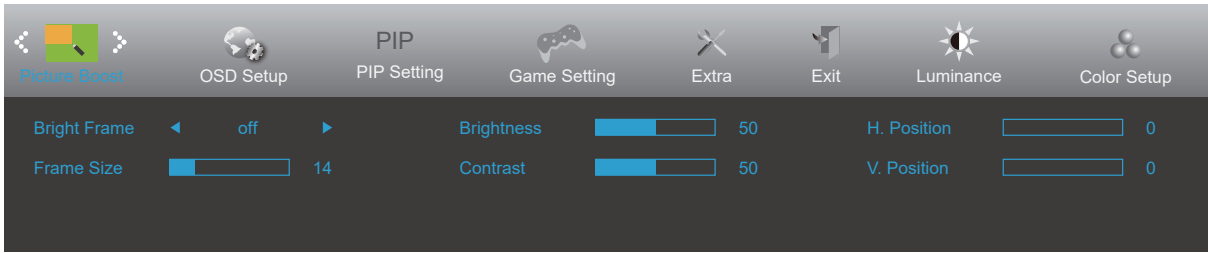
	Color Temp.	Warm	Warm Color Temperature from
		Normal	Normal Color Temperature from .
		Cool	Cool Color Temperature from .
		sRGB	SRGB Color Temperature from .
		User	Restore User Color Temperature from EEPROM.
	DCB Mode	Full Enhance	Enable Full Enhance Mode
		Nature Skin	Enable Nature Skin Mode
		Green Field	Enable Green Field Mode
		Sky-blue	Enable Sky-blue Mode
		Auto Detect	Enable AutoDetect Mode
		Off	Disable Off Mode
	DCB Demo	On or Off	Disable or Enable Demo
	Red	0-100	Red gain from Digital-register.
Green	0-100	Green gain from Digital-register.	
Blue	0-100	Blue gain from Digital-register.	


Note:

When "HDR Mode" under "Luminance" is set to a non-off state, all items under "Color Setup" cannot be adjusted.

When "HDR Mode" or "HDR" under "Luminance" is set to "non-off", all items under "Color Setup" cannot be adjusted.

Picture Boost



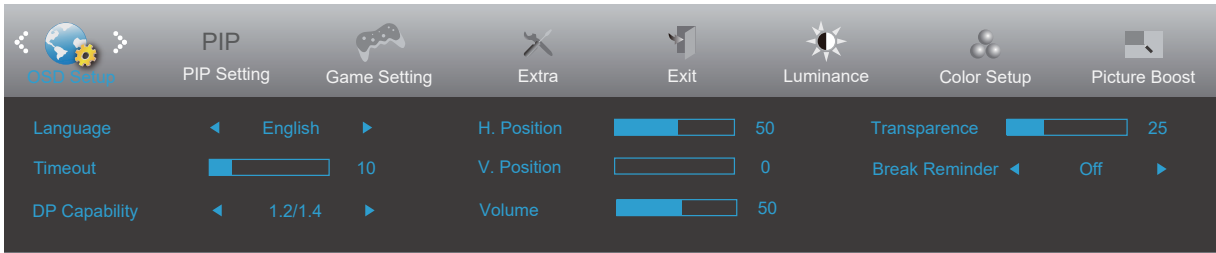
	Bright Frame	On or Off	Disable or Enable Bright Frame
	Frame Size	14-100	Adjust Frame Size
	Brightness	0-100	Adjust Frame Brightness
	Contrast	0-100	Adjust Frame Contrast
	H. position	0-100	Adjust Frame horizontal Position
	V. position	0-100	Adjust Frame vertical Position


Note:

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

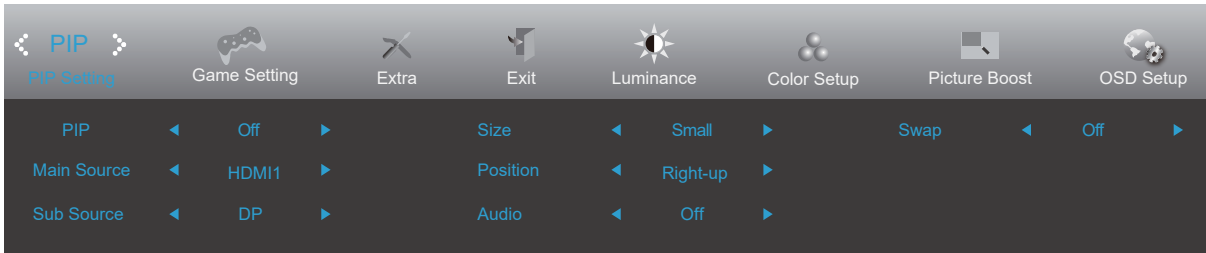
When "HDR Mode" or "HDR" under "Luminance" is set to "non-off", all items under "Picture Boost" cannot be adjusted.

OSD Setup



	Language		Select the OSD language
	Timeout	5-120	Adjust the OSD Timeout
	DP Capability	1.1/1.2/1.4	If the DP video content supports DP1.2/1.4, please select DP1.2/1.4 for DP Capability; otherwise, please select DP1.1
	H. Position	0-100	Adjust the horizontal position of OSD
	V. Position	0-100	Adjust the vertical position of OSD
	Volume	0-100	Volume Adjustment.
	Transparence	0-100	Adjust the transparence of OSD
	Break Reminder	On or Off	Break reminder if the user continuously work for more than 1hrs

PIP Setting



PIP	PIP Setting	Off / PIP / PBP	Disable or Enable PIP or PBP.	
	Main Source		Select main screen source.	
	Sub Source		Select sub screen source.	
	Size	Small / Middle / Large	Select screen size.	
	Position	Right-up		Set the screen location.
		Right-down		
		Left-up		
		Left-down		
	Audio	On: PIP Audio		Disable or Enable Audio Setup.
		Off: Main Audio		
Swap	On: Swap		Swap the screen source.	
	Off: non action			

Note:

When PBP is turned on, "HDR Mode" and "HDR" are not adjustable.

Refer to the table below for main/sub input source compatibility.

PIP/PBP		Main source			
		HDMI1	HDMI2	DP1	DP2
Sub source	HDMI1	V	V	V	V
	HDMI2	V	V	V	V
	DP1	V	V	V	V
	DP2	V	V	V	V

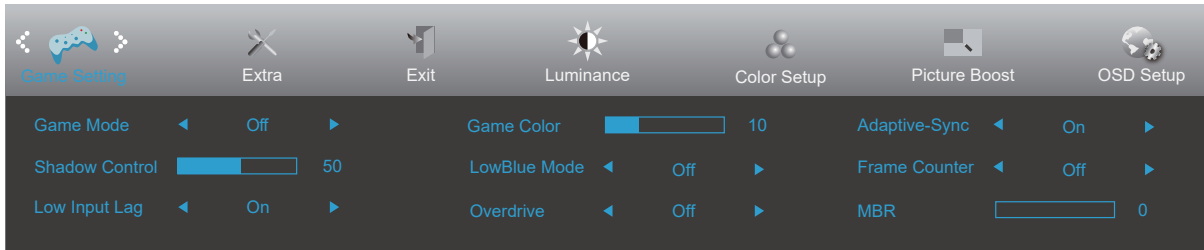
HDMI PXP Support max timing: 4K@60Hz;


DP PXP Support max timing : 4K@120Hz.

*PxP color-related adjustments can only be operated by main, and sub is not supported.

So Main & sub will have different colors.

Game Setting

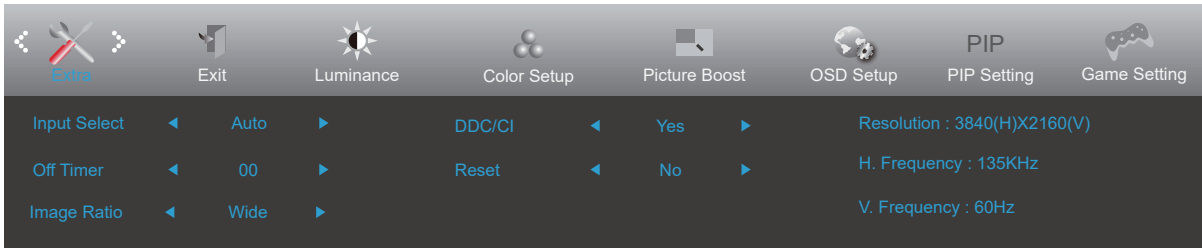



	Game Mode	FPS	For playing FPS (first Person Shooters) games. Improves dark theme black level details.
		RTS	For playing RTS (Real Time Strategy). Improves the image quality.
		Racing	For playing Racing games, Provides fastest response time and high color saturation.
		Gamer 1	User's preference settings 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 Smart image game
	Shadow Control	0-100	Shadow Control Default is 50, then end-user can adjust from 50 to 100 or 0 to increase contrast for clear picture. 1. If picture is too dark to be saw the detail clearly, adjusting from 50 to 100 for clear picture. 2. If picture is too white to be saw the detail clearly, adjusting from 50 to 0 for clear picture
	Low Input Lag	On/Off	Closing the frame buffer reduces the input delay. Note: The low input delay is turned off by default when the field frequency is less than 120Hz and cannot be adjusted; When the field frequency is $\geq 120\text{Hz}$ and Adaptive Sync is enabled by default, it cannot be adjusted.
	Game Color	0-20	Game Color will provide 0-20 level for adjusting saturation to get better picture.
	LowBlue Mode	Reading / Office / Internet / Multimedia / Off	Decrease blue light wave by controlling color temperature.
	Overdrive	Off	Adjust the response time.
		Weak	
Medium			
Strong			
Boost			
Adaptive-Sync	On/Off	Adjust the Adaptive-Sync.	
Frame Counter	Off / Right-up / Right-Down / Left-Down / Left-Up	Display V frequency on the corner selected	
MBR	0 ~ 20	Adjust the Motion Blur Reduction.	

Note:

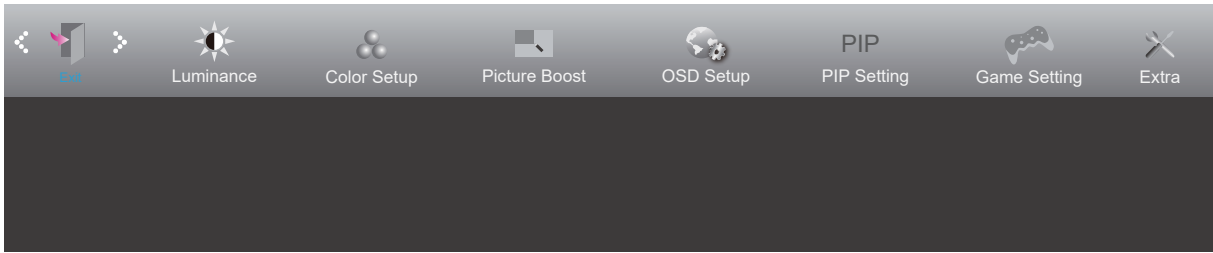
When the "HDR Mode" under "Brightness" is set to a non-off state, the "Game Mode", "Dark Field Control", and "Game Tone" items under "Game Settings" cannot be adjusted.

Extra



	Input Select	Auto/HDMI1/HDMI2/DP1/DP2	Select Input Signal Source
	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) / 23.6"W(16:9) / 24"W(16:9) / 27"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

Exit



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

LED Indicator

Status	LED Color
Full Power Mode	White
Active-Standby mode	Orange

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 style="list-style-type: none"> ● Is the power cord connected properly? Check the power cord connection and power supply. ● Is the cable connected correctly? (Connected using the HDMI cable) Check the HDMI cable connection. (Connected using the DP cable) Check the DP cable connection. * HDMI/DP input is not available on every model. ● If the power is on, reboot the computer to see the initial screen (the login screen), which can be seen. If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows 7/8/10) and then change the frequency of the video card. (Refer to the Setting the Optimal Resolution) If the initial screen (the login screen) does not appear, contact the Service Center or your dealer. ● Can you see "Input Not Supported" on the screen? You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly. Adjust the maximum resolution and frequency that the monitor can handle properly. ● Make sure the AOC Monitor Drivers are installed.
Picture Is Fuzzy & Has Ghosting Shadowing Problem	Adjust the Contrast and Brightness Controls. Press to auto adjust. Make sure you are not using an extension cable or switch box. We recommend plugging the monitor directly to the video card output connector on the back.
Picture Bounces, Flickers Or Wave Pattern Appears In The Picture	Move electrical devices that may cause electrical interference as far away from the monitor as possible. Use the maximum refresh rate your monitor is capable of at the resolution you 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 10/11 shut-down mode to adjust CLOCK and FOCUS. Press to auto-adjust.
Regulation & Service	Please refer to Regulation & Service Information which is in the CD manual or www.aoc.com (to find the model you purchase in your country and to find Regulation & Service Information in Support page.

Specification

General Specification

Panel	Model name	G4309VX/D	
	Driving system	TFT Color LCD	
	Viewable Image Size	108cm diagonal	
	Pixel pitch	0.2451mm(H) x 0.2451mm(V)	
	Display Colors	10 bit(8bit+FRC)	
Others	Horizontal scan range	30k-330kHz	
	Horizontal scan Size(Maximum)	941.184mm	
	Vertical scan range	48-144Hz	
	Vertical Scan Size(Maximum)	529.416mm	
	Max resolution	3840x2160@144Hz	
	Plug & Play	VESA DDC2B/CI	
	Power Source	100-240V~, 50/60Hz, 3.5A	
	Power Consumption	Typical(default brightness and contrast)	125W
Max. (brightness = 100, contrast = 100)		≤ 315W	
Standby mode		≤ 0.5W	
Physical Characteristics	Connector Type	HDMI×2、 DP×2、 USB×4、 USB-PC(USB upstream) Earphone	
	Signal Cable Type	Detachable	
Environmental	Temperature	Operating	0° ~ 40°
		Non-Operating	-25° ~ 55°
	Humidity	Operating	10% ~ 85% (non-condensing)
		Non-Operating	5% ~ 93% (non-condensing)
	Altitude	Operating	0~ 5000 m (0~ 16404ft)
		Non-Operating	0~ 12192m (0~ 40000ft)

Color bits Limitation:

G4309VX/D	422/420	444/RGB	422/420	444/RGB
	(HDMI2.1) FRL6G+DSC	(HDMI2.1) FRL6G+DSC	(DP1.4+DSC)	(DP1.4+DSC)
UHD 144Hz 8 bit/10 bit	OK	OK	OK	OK
UHD 100Hz/120Hz 10 bit	OK	OK	OK	OK
UHD 100Hz/120Hz 8 bit	OK	OK	OK	OK
UHD 75Hz/85Hz 8 bit/10 bit	OK	OK	OK	OK
Lower resolution 8 bit/10 bit	OK	OK	OK	OK

Preset Display Modes

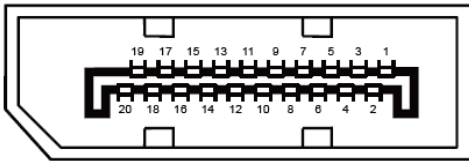
STANDARD	RESOLUTION	HORIZONTAL FREQUENCY(kHz)	VERTICAL FREQUENCY(Hz)
VGA	640x480@60Hz	31.469	59.94
	640x480@72Hz	37.861	72.809
	640x480@75Hz	37.5	75
	640x480@100Hz	50.313	99.826
	640x480@120Hz	60.938	119.72
SVGA	800x600@56Hz	35.156	56.25
	800x600@60Hz	37.879	60.317
	800x600@72Hz	48.077	72.188
	800x600@75Hz	46.875	75
	800x600@100Hz	62.76	99.778
	800x600@120Hz	76.302	119.972
XGA	1024x768@60Hz	48.363	60.004
	1024x768@70Hz	56.476	70.069
	1024x768@75Hz	60.023	75.029
	1024x768@100Hz	80.448	99.811
	1024x768@120Hz	97.551	119.989
SXGA	1280x1024@60Hz	63.981	60.02
	1280x1024@75Hz	79.976	75.025
WXGA+	1440x900@60Hz	55.935	59.887
	1440x900@60Hz	55.469	59.901
WSXGA	1680x1050@60Hz	65.29	59.954
	1680x1050@60Hz	64.674	59.883
FHD	1920x1080@60Hz	67.5	60
QHD	2560x1440@120HZ	182.997	119.998
UHD	3840x2160@60HZ	135	60
	3840x2160@120HZ	182.997	120.005
	3840x2160@144HZ	222.056	143.989
IBM MODES			
DOS	640x350@70Hz	31.469	70.087
DOS	720x400@70Hz	31.469	70.087
MAC MODES			
VGA	640x480@67Hz	35	66.667
SVGA	832x624@75Hz	49.725	74.551
XGA	1024x768@75Hz	60.241	74.927

Pin Assignments



19-Pin Color Display Signal Cable

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.