AGON

LCD Monitor
User Manual

AG405UXC

AOC

www.aoc.com

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

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.

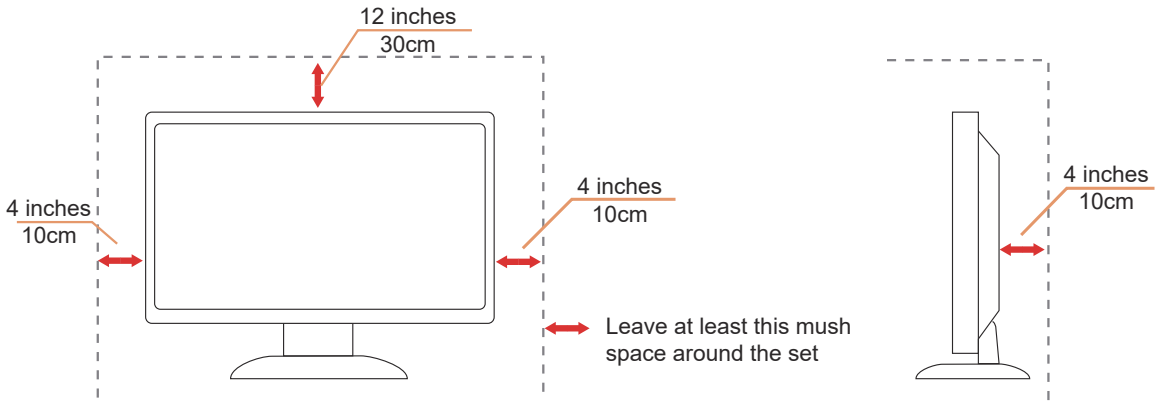
If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.

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.

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 stand:

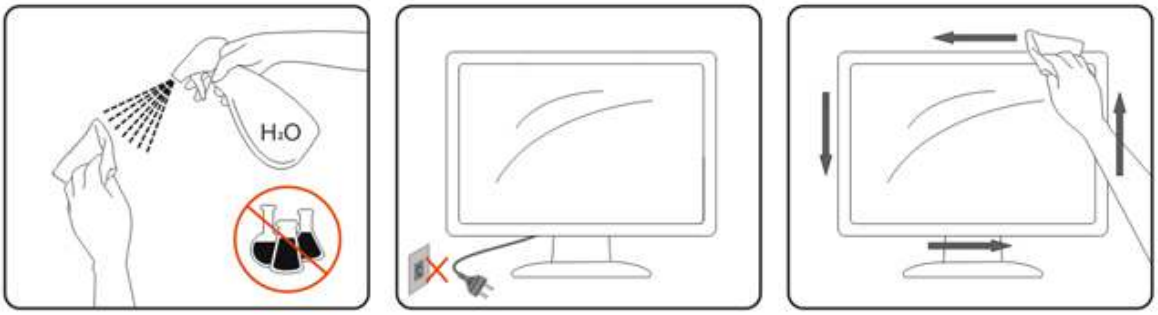
Installed with stand



Cleaning

Clean the cabinet regularly with a water-dampened, soft cloth.

When cleaning use a soft cotton or microfiber cloth. The cloth should be damp and almost dry, do not allow liquid into the case.



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.

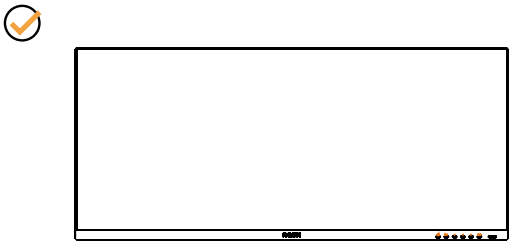
 Do not engage the LCD monitor in severe vibration or high impact conditions during operation.

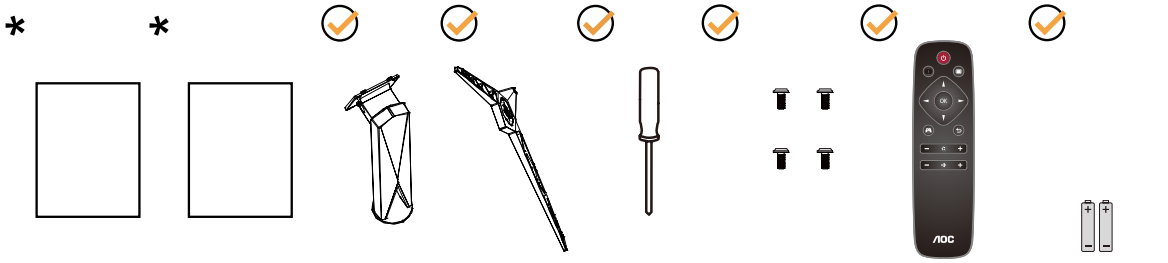
 Do not knock or drop the monitor during operation or transportation.

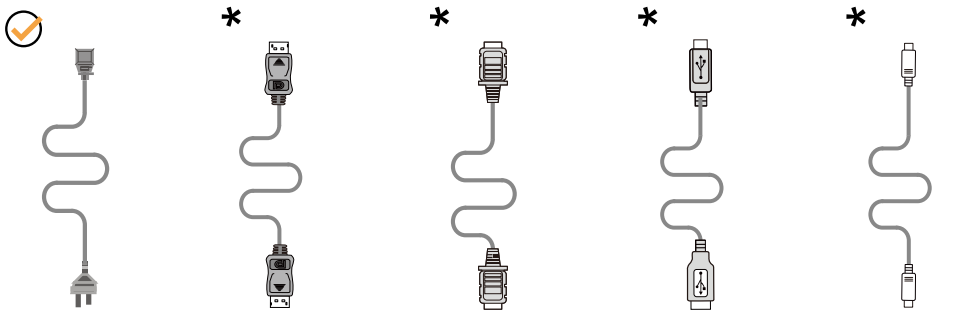
 The USB Type-C port could only be connected to specify equipment with fire enclosure in compliance with IEC 62368-1 or IEC 60950-1.

Setup

Contents in Box





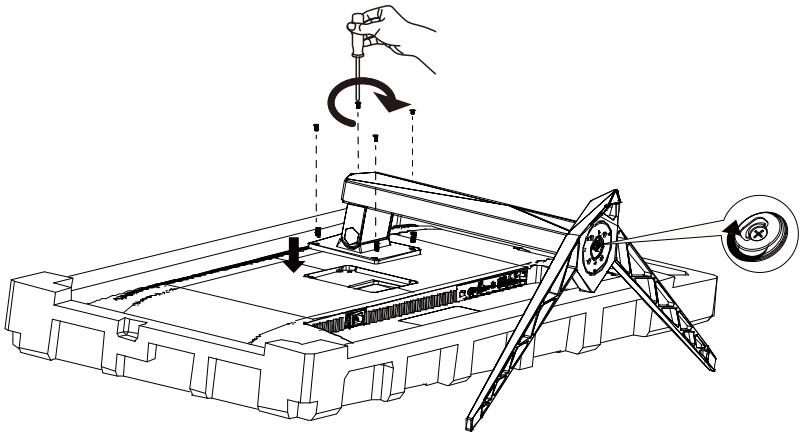


*Not all signal cables will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

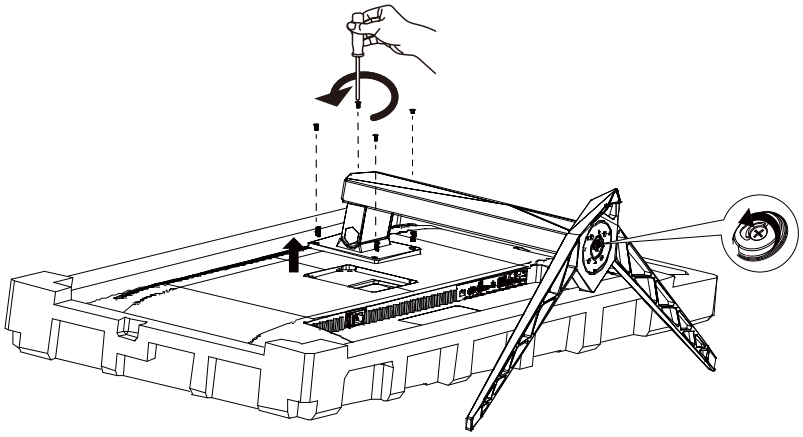
Setup Stand & Base

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

Setup:

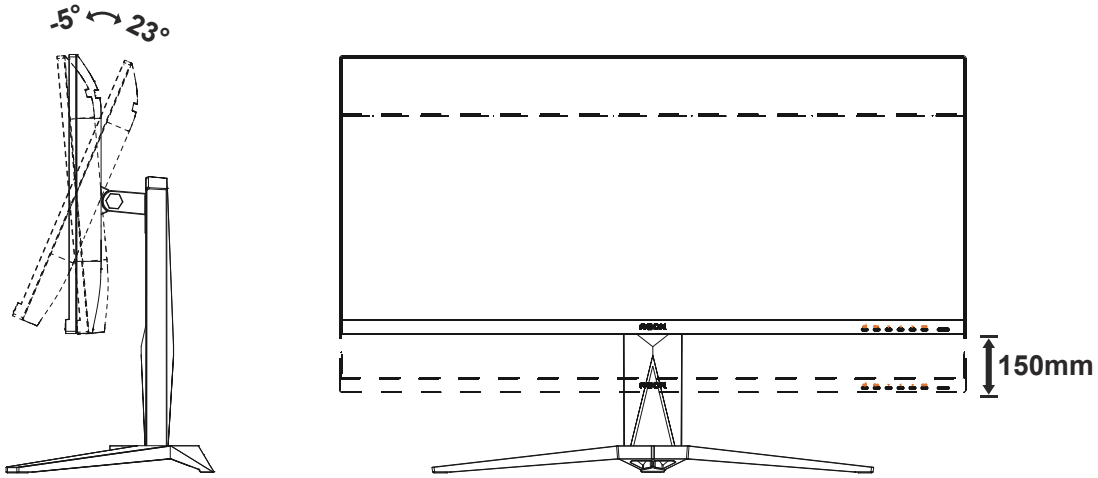


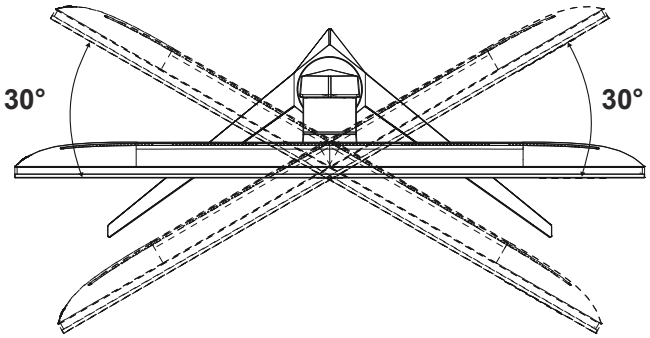
Remove:



Adjusting the monitor

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:

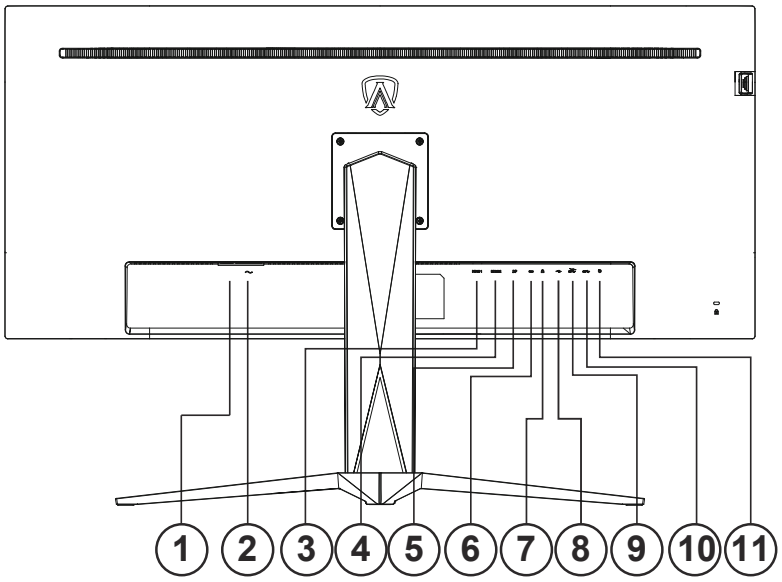
Do not touch the LCD screen when you change the angle. Touching the LCD screen may cause damage.

Warning

- To avoid potential screen damage, such as panel peeling, ensure that the monitor does no t tilt downward by more than -5 degrees.
- 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 Switch
2. Power
3. HDMI-1
4. HDMI-2
5. DP
6. USB C
7. Earphone
8. USB upstream
9. USB3.2 Gen1 + fast charging x1
   USB3.2 Gen1 x1
10. USB3.2 Gen1 x2
11. Quick Switch port

Connect to PC

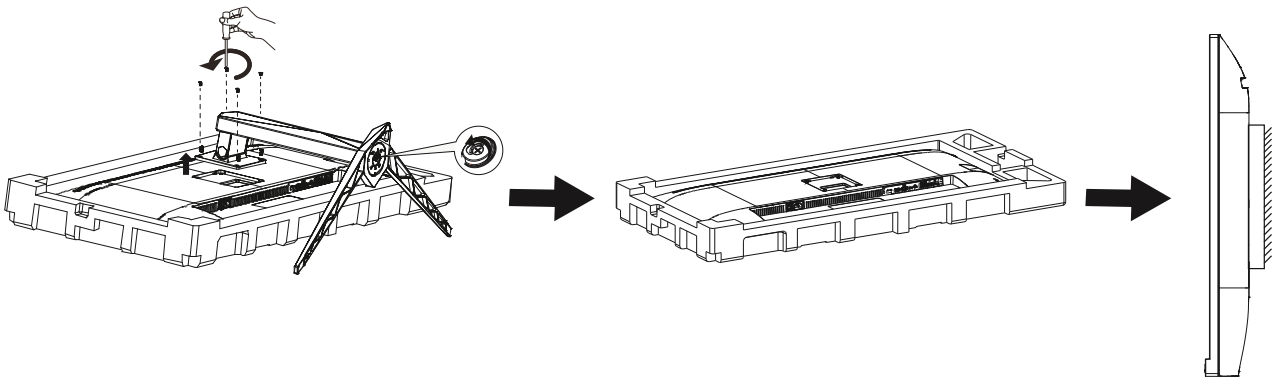
1. Connect the power cord to the back of the display firmly.
2. Turn off your computer and unplug its power cable.
3. Connect the display signal cable to the video connector on the back of your computer.
4. Plug the power cord of your computer and your display into a nearby outlet.
5. Turn on your computer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

Wall Mounting

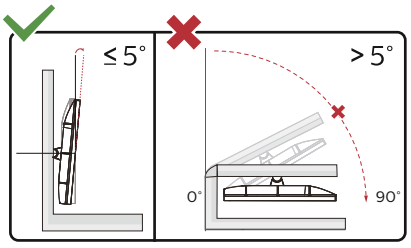
Preparing to Install An Optional Wall Mounting Arm.



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.

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



* Display design may differ from those illustrated.

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.

AMD FreeSync Premium function

1. AMD FreeSync Premium 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

• RadeonTM RX Vega series

• RadeonTM RX 500 series

• RadeonTM RX 400 series

• RadeonTM R9/R7 300 series (excluding R9 370/X)

• RadeonTM Pro Duo (2016 edition)

• RadeonTM R9 Nano

• RadeonTM R9 Fury series

• RadeonTM R9/R7 200 series (excluding R9 270/X, R9 280/X)

Processors

• AMD RyzenTM 7 2700U

• AMD RyzenTM 5 2500U

• AMD RyzenTM 5 2400G

• AMD RyzenTM 3 2300U

• AMD RyzenTM 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

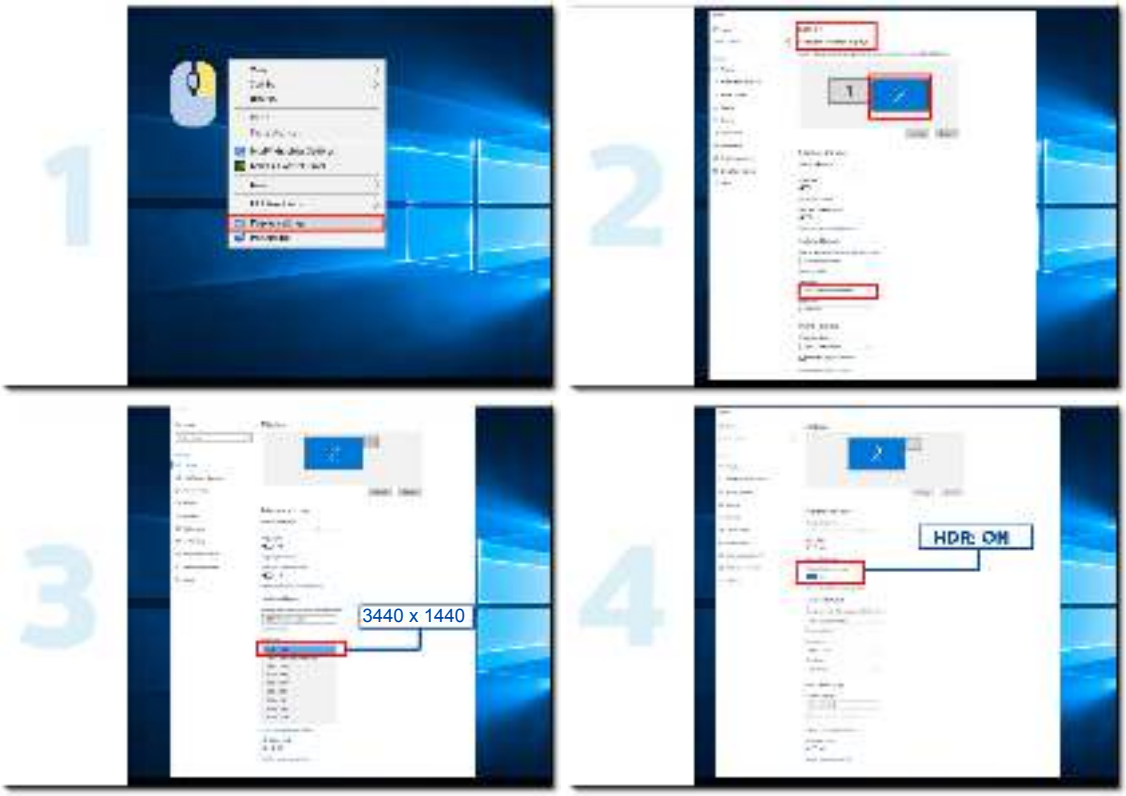
HDR

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 automatical activation function.

Note:

1. The HDR function is not supported by the versions prior to WIN10 V1703 (not included).
2. For WIN10 V1703, only the HDMI interface is supported; the DisplayPort interface is not supported.
3. Display Settings:

a. Enter the “Display Settings,” and select the resolution – 3440x1440, and HDR on.
b. Change to select the resolution – 3440x1440 (if available) to achieve the best HDR effects.



KVM function

What is KVM?

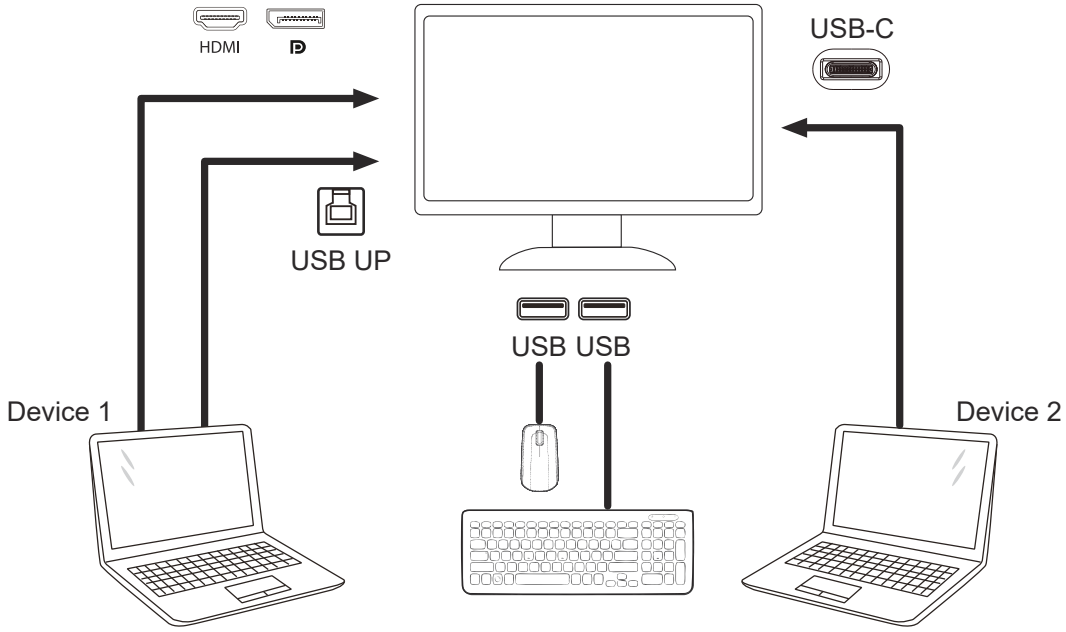
With KVM function, you can show two PCs, or two notebooks, or one PC and one notebook on one AOC monitor and control the two devices with one set of keyboard and mouse. Switch your control over your PC or notebook devices by choosing input signal source on “Input Select” of OSD menu.

How to use KVM?

Step 1: Please connect one device (PC or notebook) to monitor via USB C.

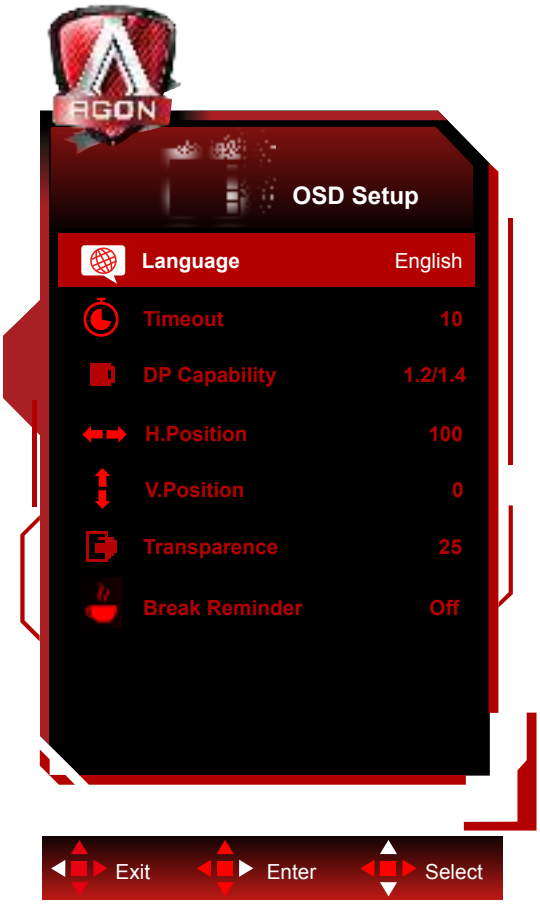
Step 2: Please connect the other device to monitor via HDMI or DisplayPort. Then please also connect this device to monitor with USB upstream.

Step 3: Please connect your peripherals (keyboard and mouse) to monitor via USB port.



Note: Display design may differ from that illustrated

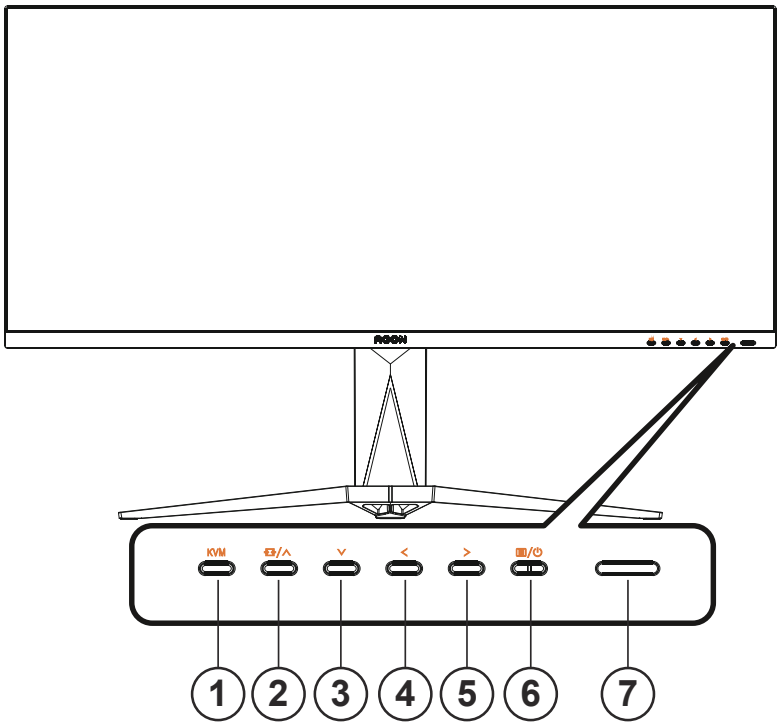
Step 4: Enter to OSD menu. Go to OSD Setup page and select “Auto”, “USB C”, or “USB UP” of USB Selection tab.



USB Selection	Function Description
Auto	Auto selects USB C or USB Up depending on the input source.
USB C	Provides USB Hub function through Type-C cable.
USB Up	Provides USB Hub function through USB B cable.

Adjusting

Hotkeys



1	KVM
2	Source/Up
3	Dial Point/Down
4	Game Mode/Left
5	Shadow Control /Right
6	Power/ Menu/Enter
7	Power indicator/remote control sensor receiver

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 seconds to turn off the monitor.

Dial Point/Down

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

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.

Shadow Control/Right

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

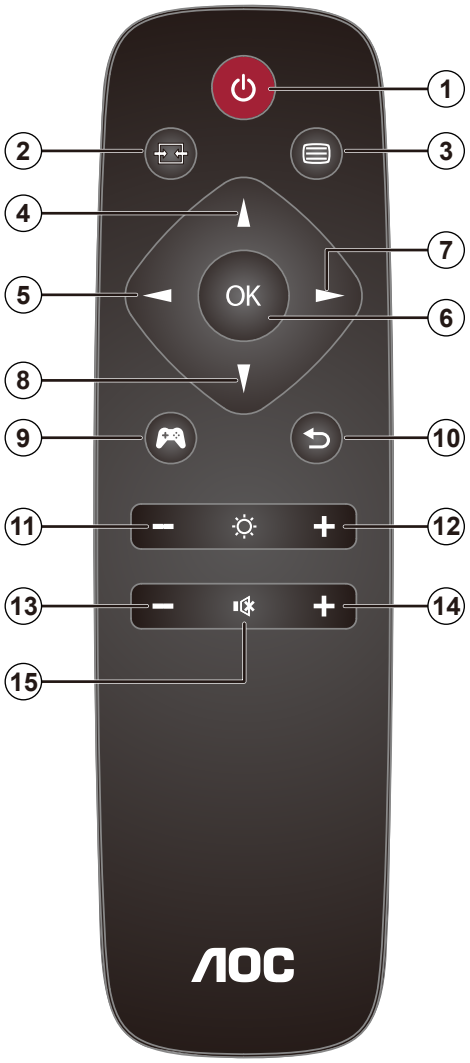
Source/Up

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

KVM

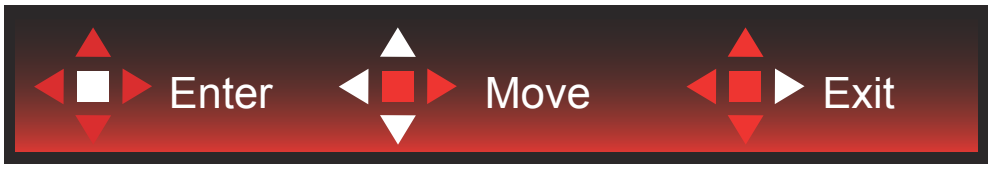
When the OSD menu is closed, press the “KVM” key to open the “USB selection” menu, and the USB uplink data channel can be set according to the use demand. If set to “Automatic”, KVM function can be implemented.

Description of the remote control buttons

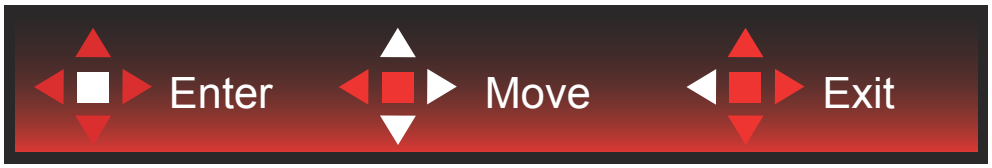


1	⏻	Press to switch power on and off.
2	⇥	Change the signal input source.
3	☰	Access the OSD menu.
4	▲	Adjust the OSD options upwards.
5	◄	Return to previous OSD level.
6	OK	Confirm the OSD adjustment/Access the OSD menu. .
7	►	Access the OSD menu. Confirm the OSD adjustment.
8	▼	Adjust the OSD options 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

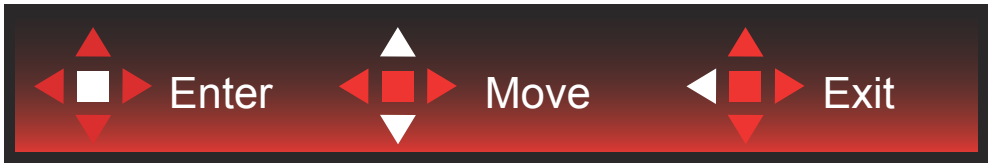
OSD Key Guide (Menu)



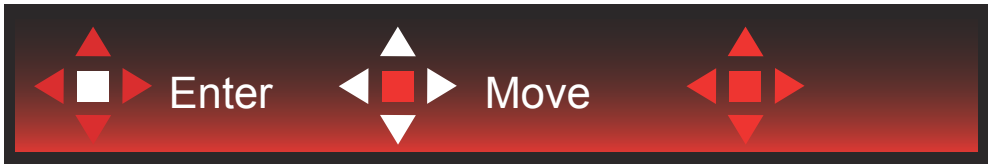
Enter : Use Enter key to enter the next OSD level
Move : Use Left / Up / Down key to move OSD selection
Exit : Use Right key to exit OSD



Enter : Use Enter key to enter the next OSD level
Move : Use Right / Up / Down key to move OSD selection
Exit : Use Left key to exit OSD



Enter : Use Enter key to enter the next OSD level
Move : Use Up / Down key to move OSD selection
Exit : Use Left key to exit OSD



Move : Use Left / Right / Up / Down Key to move OSD selection

Exit : Use Left key to exit OSD to previous OSD level
Enter : Use Right key to enter next OSD level
Select : Use Up / Down key to move OSD selection

Enter : Use Enter key to apply the OSD setting and back to previous OSD level
Select : Use Down key to adjust OSD setting

Select : Use Up / Down key to adjust OSD setting

Enter : Use Enter key to exit OSD to previous OSD level

Select : Use Left / Right key to adjust OSD setting

OSD Setting

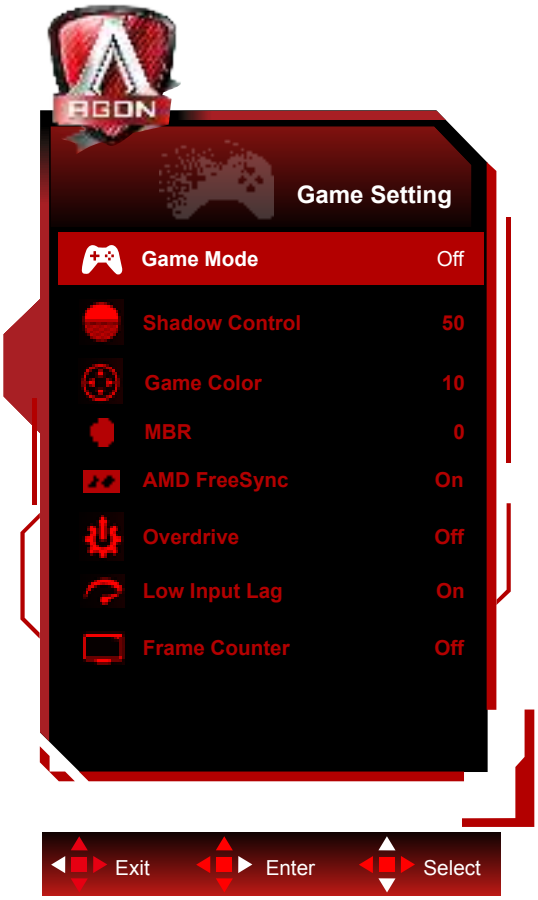
Basic and simple instruction on the control keys.

1). Press the MENU-button to activate the OSD window.
2). Follow Key Guide to move or select (adjust) OSD settings
3). 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 and DCB mode , for these three states that only one state can exist.

Game Setting



	Game Mode	Off	Turn off 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.
	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
	Game Color	0-20	Game Color will provide 0-20 level for adjusting saturation to get better picture.
	MBR	0-20	MBR (Motion Blur Reduction) Provides 0-20 levels of adjustments to reduce motion blur. Note: 1. The MBR function can be adjusted when AMD FreeSync Premium is turned off, the low input delay is turned on and the refresh rate is ≥75Hz . 2. The brightness of the screen will decrease as the adjustment value increases.
	AMD FreeSync	On / Off	Disable or Enable AMD FreeSync Premium. AMD FreeSync Premium Run Reminder: When the AMD FreeSync Premium feature is enabled, there may be flashing in some game environments.

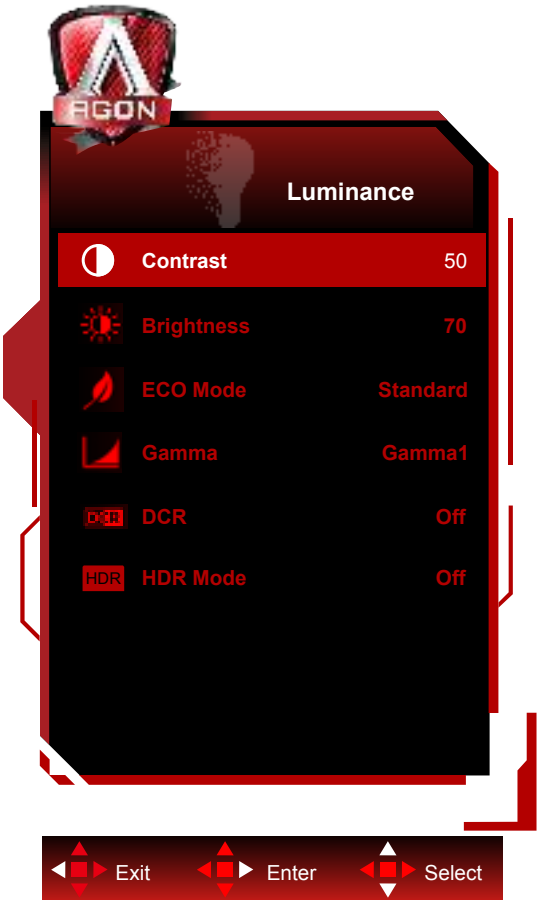
	Overdrive	Off	Adjust the response time. Note: 1. If the user adjusts OverDrive to “Strong” the displayed image may be blurred. Users can adjust the OverDrive level or turn it off according to their preferences. 2. The “Boost” function is optional when AMD FreeSync Premium is turned off, the low input delay is turned on, and the refresh rate is 1. The MBR function can be adjusted when AMD FreeSync Premium is turned off, the low input delay is turned on and the refresh rate is ≥75Hz .. 3. The screen brightness will decrease when the “Boost” function is turned on.
		Weak	
		Medium	
		Strong	
		Boost	
	Low Input lag	On / Off	Turn off frame buffer to decrease input lag Note: The low input delay function works when both WQHD and refresh rate ≥ 100Hz are met, and is enabled by default when AMD FreeSync
	Frame Counter	Off / Right-Up / Right-Down / Left-Down / Left-Up	Instantly display the vertical frequency of the current signal. (Frame counter feature only works with AMD graphic card.)

Note:

When “HDR Mode” under “Brightness” is set to “non-off”, the items “Game Mode”, “Shadow Control”, “Game Color” cannot be adjusted.

When “HDR” under “Brightness” is set to “non-off”, the items “Game Mode”, “Shadow Control”, “Game Color”, “MBR” cannot be adjusted. “Boost” under “Overdrive” is not available.

Luminance

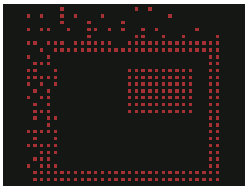


	Contrast	0-100	Contrast from Digital-register.
	Brightness	0-100	Backlight Adjustment
	Eco mode	Standard	Standard Mode
		Text	Text Mode
		Internet	Internet Mode
		Game	Game Mode
		Movie	Movie Mode
		Sports	Sports Mode
		Reading	Reading Mode
		Uniformity	Uniformity Mode
	Gamma	Gamma1	Adjust to Gamma 1
		Gamma2	Adjust to Gamma 2
		Gamma3	Adjust to Gamma 3
	DCR	Off/On	Disable/ 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	Optimized for the color and contrast of the picture, which will simulate showing the HDR effect. Note: When HDR is not detected, the HDR Mode option is displayed for adjustment.
		HDR Picture	
		HDR Movie	
		HDR Game	

Note:

1. When “HDR Mode” under “Luminance” is set to non-off, “Contrast”, “Eco Mode” and “Gamma” can’t be adjusted.
2. When “HDR” under “Luminance” is set to non-off, all items under “Luminance” can’t be adjusted.

PIP Setting

	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:

1). When “HDR” under “Brightness” is set to non-closed state, all items under “PIP setting” are not adjustable.
2). The OSD menu color adjustment is only valid for the main screen, so the main screen and the sub screen may have

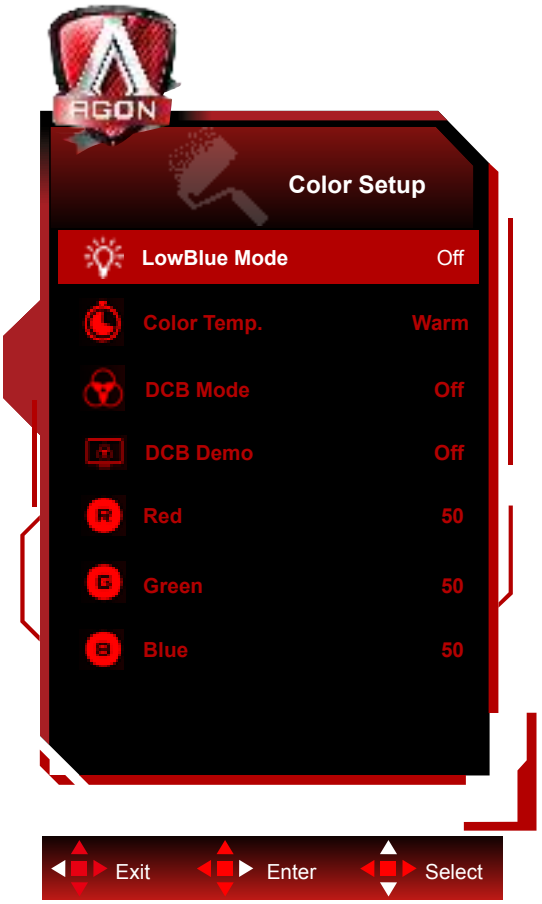
different colors.

3). When PIP is enabled, the DP and USB C signal sources support the maximum resolution of 3440x1440@120Hz; the HDMI signal source supports the maximum resolution of 3440x1440@100Hz.

4). When PBP/PIP is enabled, the compatibility of the main screen/sub-screen input source is shown in the following table:

PIP/PBP		Main source			
		HDMI1	HDMI2	DP	TYPE C
Sub -source	HDMI1	V	V	V	V
	HDMI2	V	V	V	V
	DP	V	V	V	V
	TYPE C	V	V	V	V

Color Setup

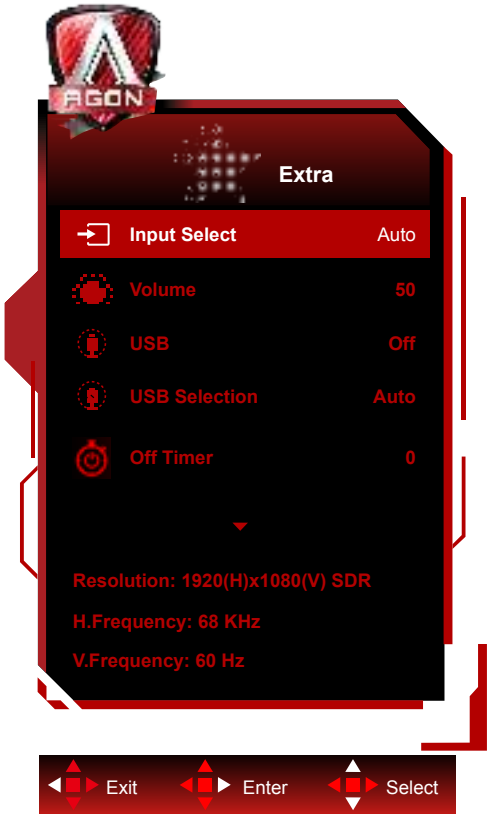


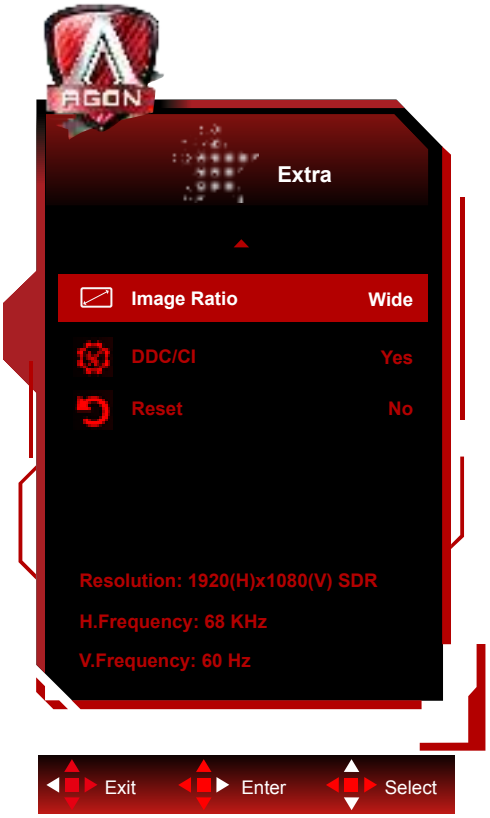
	LowBlue Mode	Off / Multimedia / Internet / Office / Reading	Decrease blue light wave by controlling color temperature.
	Color Temp.	Warm	Recall Warm Color Temperature from EEPROM.
		Normal	Recall Normal Color Temperature from EEPROM.
		Cool	Recall Cool Color Temperature from EEPROM.
		sRGB	Recall SRGB Color Temperature from EEPROM.
		User	Restore User Color Temperature from EEPROM.
	DCB Mode	Off	Disable or Enable Off 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
		AutoDetect	Enable AutoDetect 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/HDR Mode” under “Brightness” is set to “non-off”, all items under “Color Setup” cannot be adjusted.

Extra

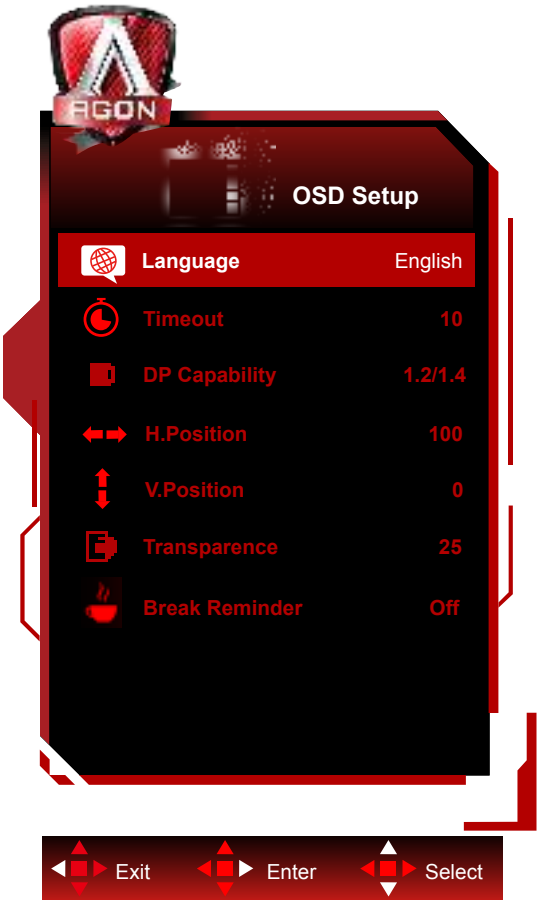


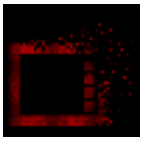


	Input Select	Auto / HDMI1 / HDMI2 / DP / USB C*	Select Input Signal Source。
	Volume	0-100	Adjust volume setting
	USB	Off /High-Res./High-Speed	The default USB setting is Off. If you want to connect USB-C device, please adjust the USB setting to High Resolution or High Data Speed.
	USB Selection	Auto / USB C / USB up	Auto : switch with display input source USB C / USB up : fix up stream not change with input 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)/30"W(21:9) / 32"W(16:9)/34"W (21:9)	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

*: The device needs to support USB C interface video transmission (DP Alt).
The USB C (DP Alt) function is turned off by default when it is used for the first time or after the OSD menu reset operation, and it can be turned on again by any of the following methods:
1). The display turns on and off 3 times in total.
2). The “USB” option under “OSD Settings” in the OSD menu is set to non-closed state.

OSD Setup



	Language		Select the OSD language
	Timeout	5-120	Adjust the OSD Timeout
	DP Capability	1.1/1.2/1.4	please be noted that only DP1.2/DP1.4 support AMD FreeSync Premium Compatible function
	H. Position	0-100	Adjust the horizontal position of OSD
	V. Position	0-100	Adjust the vertical position of OSD
	Transparence	0-100	Adjust the transparence of OSD
	Break Reminder	On /Off	Break reminder if the user continuously work for more than 1hrs

LED Indicator

Status	LED Color
Full Power Mode	White
Active-off Mode	White (blinking)

Troubleshoot

Problem & Question	Possible Solutions
Power LED Is Not ON	Make sure the power button is ON and the Power Cord is properly connected to a grounded power outlet and to the monitor.
No images on the screen	• Is the power cord connected properly? Check the power cord connection and power supply. • Is the video 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.) 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 hot-key (AUTO) 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 7/8/10 shut-down mode to adjust CLOCK and FOCUS. Press hot-key (AUTO) 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	AG405UXC	
	Driving system	TFT Color LCD	
	Viewable Image Size	100.4 cm diagonal （39.5”Wide Screen)	
	Pixel pitch	0.26925mm(H) x 0.26925mm(V)	
	Video	HDMI /DP/USB C	
	Display Color	16.7M Colors	
Others	Horizontal scan range	30k-160kHz (HDMI) 30k-220kHz (DP/USB C)	
	Horizontal scan Size(Maximum)	926.22mm	
	Vertical scan range	48-120Hz (HDMI) 48-144Hz (DP/USB C)	
	Vertical Scan Size(Maximum)	387.72mm	
	Optimal preset resolution	3440x1440@60Hz	
	Max resolution	3440x1440@100Hz (HDMI) 3440x1440@144Hz (DP/USB C*)	
	Plug & Play	VESA DDC2B/CI	
	Connector	HDMIx2, DP,USB C(DP Alt), USBx4, USB Up, Earphone, Quick switch port	
	Power Source	100-240V~ 50/60Hz 3A	
	Power Consumption	Typical(default brightness and contrast)	45 W
		Max. (brightness = 100, contrast =100)	≤225W
		Standby mode	≤ 0.5 W
USB C	USB C	Reversible plug connector	
	Super speed	Data and Video transfer	
	DP	Built-in DisplayPort Alt mode	
	Power Delivery	USB PD version 3.0	
	Max power delivery	Up to 90W (5V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A)	
Environmental	Temperature	Operating	0°C~ 40°C
		Non-Operating	-25°C~ 55°C
	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)

*:When the USB C(DP Alt) is set to USB2.0 or off, the max resolution of USB C interface is 3440x1440@144Hz.

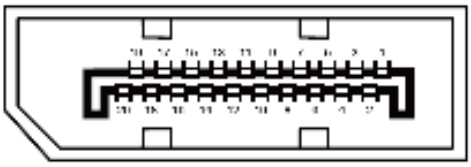
Preset Display Modes

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
	640 x 480@100Hz	50.313	99.826
SVGA	800x600@60Hz	37.879	60.317
	800x600@72Hz	48.077	72.188
	800x600@75Hz	46.875	75
	800x600@100Hz	62.76	99.778
XGA	1024x768@60Hz	48.363	60.004
	1024x768@70Hz	56.476	70.069
	1024x768@75Hz	60.023	75.029
	1024 x 768@100Hz	80.448	99.811
SXGA	1280x1024@60Hz	63.981	60.020
	1280x1024@75Hz	79.976	75.025
WXGA+	1440x900@60Hz	55.935	59.887
	1440x900@60Hz	55.469	59.901
WSXGA	1680x1050@60Hz	65.290	59.954
	1680x1050@60Hz	64.674	59.883
FHD	1920x1080@60Hz	67.5	60
PBP	1720x1440@60Hz	89.819	59.973
	1720x1440@75Hz	111.875	74.983
	1720x1440@100Hz	150.972	99.982
	1720X1440@120Hz(DP/USB C)	181.2	120
	1720X1440@144Hz(DP/USB C)	214.56	144
WQHD	3440x1440@30Hz	44.408	29.985
	3440x1440@60Hz	89.819	59.973
	3440x1440@75Hz	111.875	74.983
	3440x1440@100Hz	150.972	99.982
	3440X1440@120Hz(DP/USB C)	181.2	120
	3440X1440@144Hz(DP/USB C)	214.56	144
IBM			
DOS	640x350@70Hz	31.469	70.087
	720x400@70Hz	31.469	70.087
MAC			
VGA	640x480@67Hz	35.000	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.