

AOC CU34G2XP LCD Monitor User Manual

Home » AOC » AOC CU34G2XP LCD Monitor User Manual

AOC CU34G2XP LCD Monitor
User Manual





LCD Monitor User Manual

CU34G2XP

www.aoc.com ©2023 AOC.All Rights Reserved



Contents

- 1 Safety
- 2 Setup
- 3 Adjusting
- 4 Troubleshoot
- **5 Specification**
- 6 Documents /

Resources

6.1 References

Safety

National Conventions

The following subsections describe national 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 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.

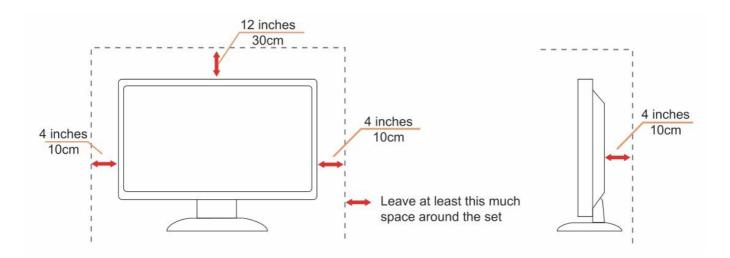
If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.

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.

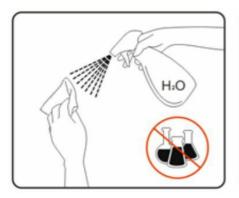
See below the recommended ventilation areas around the monitor when the monitor is installed on the wall or on the stand:

Installed with stand

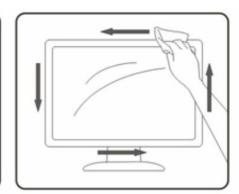


Clean the cabinet regularly with a water-dampened, soft cloth.

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.



 lack 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.

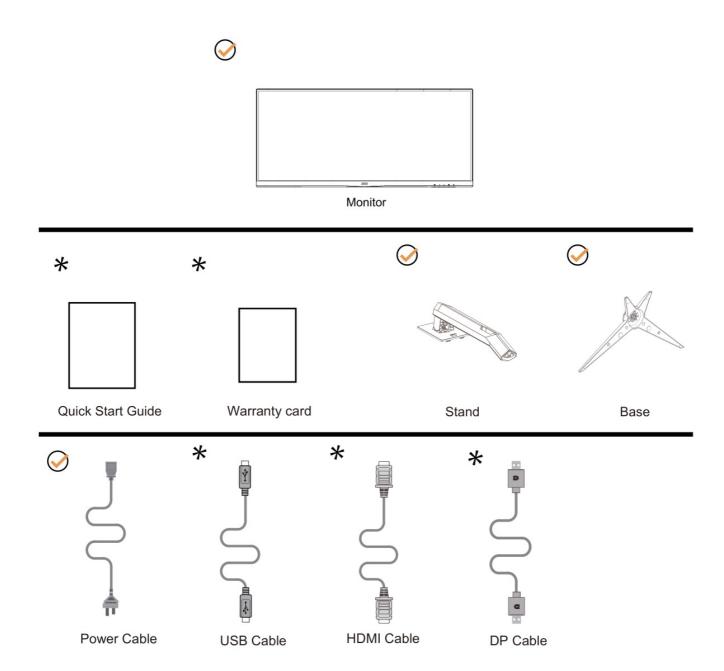


Do not knock or drop the monitor during operation or transportation.

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

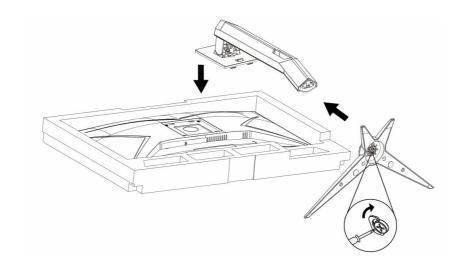


^{*}Not all signal cables (HDMI/DP cables) will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

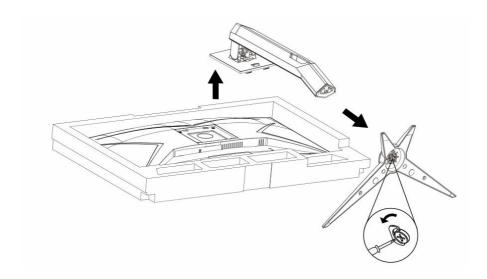
Stand & Base Setup

Please setup or remove the base following the steps as below. Please place the monitor on a soft and flat surface to prevent the scratch.

Setup:



Remove:

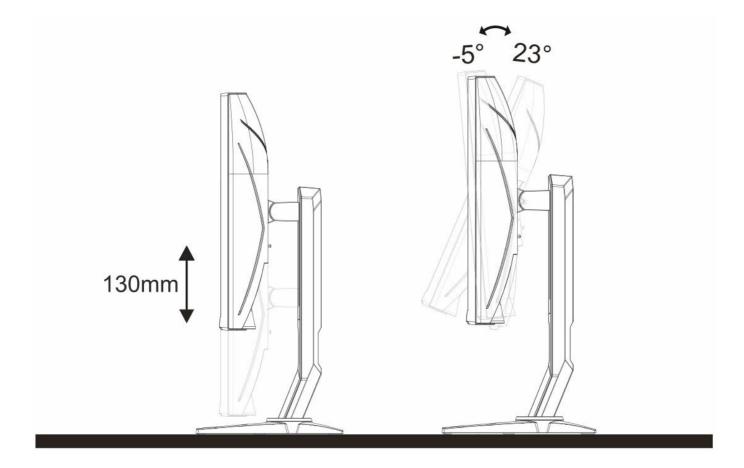


Specification for base screw: M6*13 mm (effective thread 5.5 mm)



Adjusting Viewing Angle

To achieve the best viewing experience, it is recommended that the user can make sure they are able to look at their whole face on the screen, then adjust the monitor's angle based on personal 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:





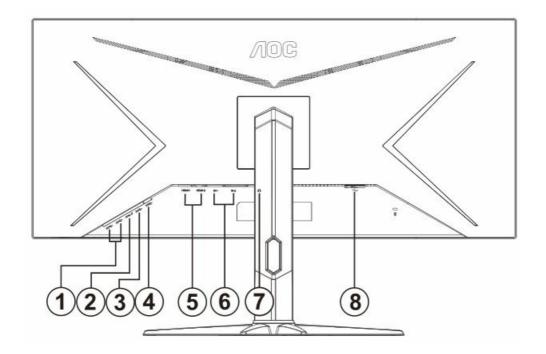
Do not touch the LCD screen when you change the angle. Touching the LCD screen may cause damage.

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:



- 1. USB 3.2 Gen 1×2
- 2. USB3.2 Gen1+Quick Chargingx1
- 3. USB 3.2 Gen 1×1
- 4. USB-PC upstream
- 5. HDMIx2
- 6. DisplayPortx2
- 7. Earphone out
- 8. Power

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.
- Turn on your computer and display.
 If your monitor displays an image, installation is complete. If it does not display an image, please refer to Troubleshoot.

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

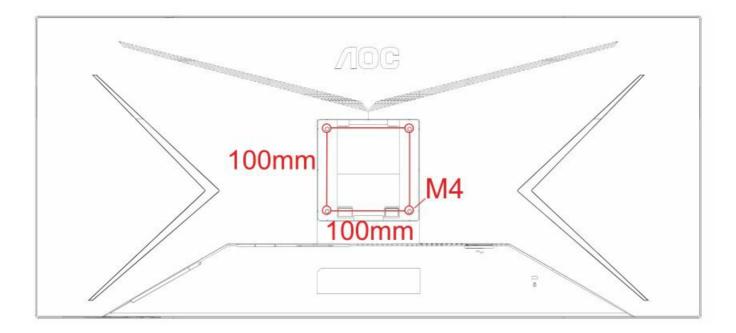
Wall Mounting

Preparing to Install An Optional Wall Mounting Arm.

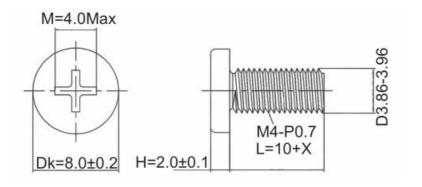


This monitor can be attached to a wall mounting arm you purchase separately. Disconnect power before this procedure. Follow these steps:

- 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.



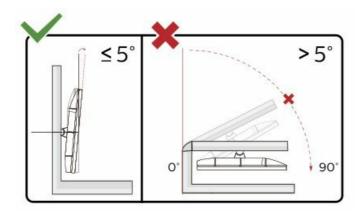
Specification of wall hanger screws M4*(10+X)mm, (X=Thickness of Wall mount bracket)





NOTE: VESA mounting screw holes are not available for all models, please check with the dealer or

official department of AOC. Always contact manufacturer for wall-mount installation.



* 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 works 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 R9 370/X, R7 370/X, R7 265 except
- Radeon™ Pro Duo (2016)
- Radeon™ R9 Nano series
- Radeon™ R9 Fury series
- Radeon™ R9/R7 200 series (R9 270/X, R9 280/X except

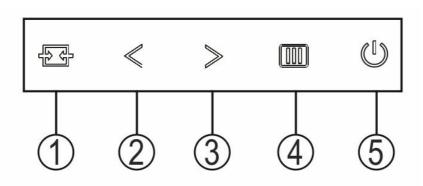
Processors

- 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

Adjusting

Hotkeys



1	Source/Exit
2	Game Mode/<
3	Dial Point/>
4	Menu/Enter
5	Power

Source/Exit

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

Game Mode/<

When there is no OSD, press "<" 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.

Dial Point/>

When there is no OSD, press Dial Point button to active Dial Point menu, and then press "<" or ">" to set Dial Point on or off.

Menu/Enter

Press to display the OSD or confirm the selection.

Power

Turn on/off the monitor.

OSD Setting

Basic and simple instruction on the control keys.



- 1. Press the **IIII 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 > 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 **III Menu-button** while the monitor is off and then press **(') power** button to turn the monitor on. To unlock the OSD press and hold the **III Menubutton** while the monitor is off and then press **(') power** button to turn the monitor on.

Notes:

- 1. If the product has only one signal input, the item of "Input Select" is unable to be adjusted the adjust option is disabled.
- 2. If the product screen size is 4:3 or input signal resolution is native resolution, the item of "Image Ratio" is disabled.
- 3. One of DCR, Color Boost and Picture Boost functions is activated, the other two functions are turned off accordingly.

Luminance



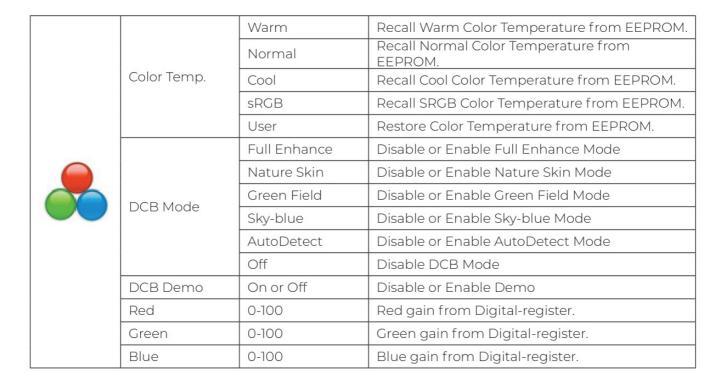
	Contrast	0-100		Contrast from Digital-register.		
	Brightness	0-100		Backlight Adjustment		
		Standard	V	Standard Mode		
		Text	T	Text Mode		
		Internet	E	Internet Mode		
	Foo mode	Game	وفف	Game Mode		
	Eco mode	Movie	6	Movie Mode		
		Sports	R	Sports Mode		
		Reading	R	Reading Mode		
		Uniformity	#	Uniformity Mode		
-0-	Gamma	Gammal		Adjust to Gamma 1		
		Gamma2		Adjust to Gamma 2		
		Gamma3		Adjust to Gamma 3		
		Off		Disable dynamic contrast ratio		
	DCR	On	DCR	Enable dynamic contrast ratio		
		Off		Adjust HDR Mode		
		DisplayHDR		Note:		
	HDR	HDR Picture		When HDR is detected, the HDR option is displayed for adjustment. When HDR is not		
		HDR Movie		detected, the HDR Mode option is displayed for adjustment.		
		HDR Game		Tor adjustificit.		
		Off				
	LIDD Mada	HDR Picture		Adjust LIDD Mode		
	HDR Mode	HDR Movie		Adjust HDR Mode		
		HDR Game				

Note:

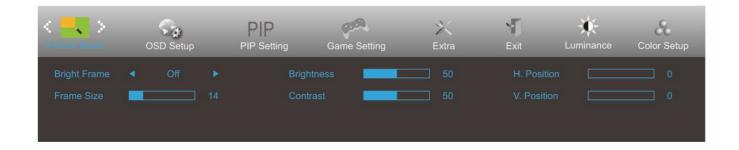
The function MBR and Overdrive Boost are available only when AMD FreeSync Premium is off and the vertical frequency is up to 75 Hz.

Color Setup





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

OSD Setup

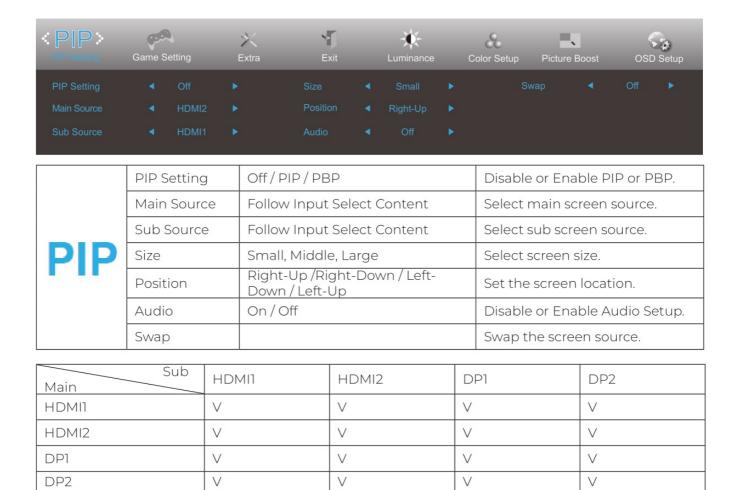


	Language		Select the OSD language
	Timeout	5-120	Adjust the OSD Timeout
	DP Capability	1.1/1.2/1.4	Please be noted that only DP1.2 support AMD FreeSync Premium function
6	H. Position	0-100	Adjust the horizontal position of OSD
	V. Position	0-100	Adjust the vertical position of OSD
	Volume	0-100	Volume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

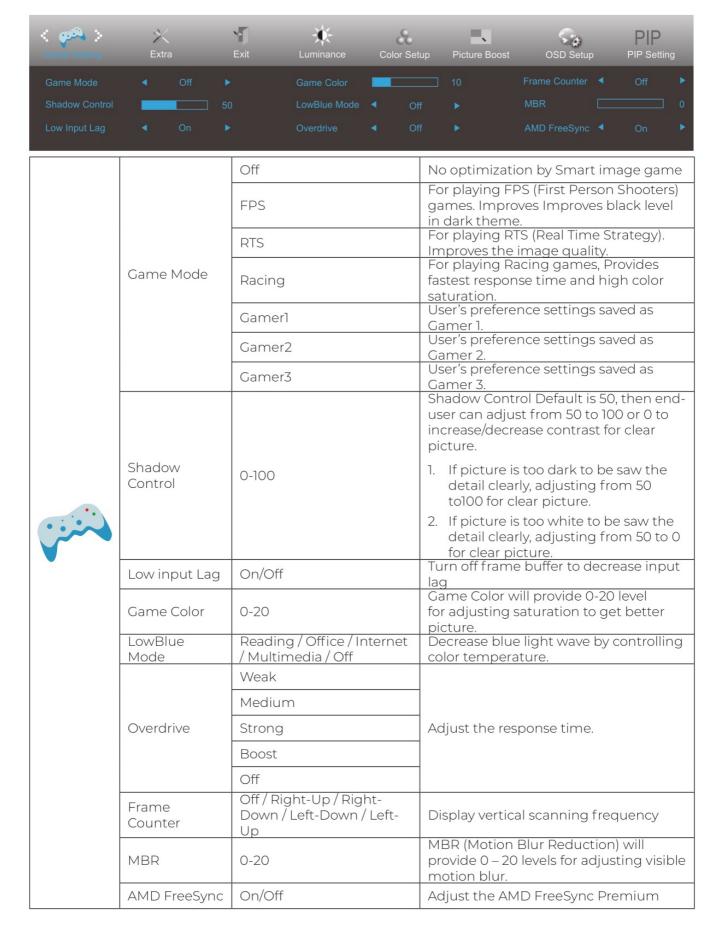
Notes:

If the DP video content supports DP1.2, please select DP1.2 for DP Capability; otherwise, please select DP1.1.

PIP Setting



Game Setting

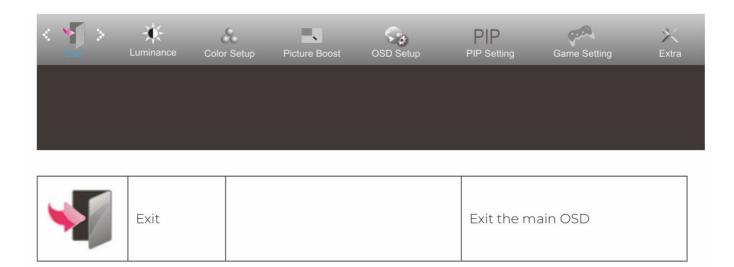


Extra



Input Select		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



LED Indicator

Status	LED Color
Full Power Mode	White
Active-off 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 Image 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.)

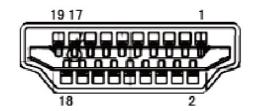
General Specification

	Model name		CU34G2XP		
	Driving system)	TFT Color LCD		
Danal	Viewable Image Size		86.36 cm diagonal		
Panel	Pixel pitch		0.23175mm(H) x 0.23175mm(V)		
	Video		HDMI Interface & DP Ir	nterface	
	Display Color		1.07B		
	Horizontal scar	o rango	30k-160kHz(HDMI)		
	HOHZOHITAI SCAI		30k-270kHz(DP)		
	Horizontal scar	n Size(Maximum)	797.22mm		
	 Vertical scan ra	ange	48-120Hz(HDMI)		
			48-180Hz(DP)	y	
	Vertical Scan S		333.72mm		
	Optimal preset	t resolution	3440x1440@60Hz		
	Max resolution		3440x1440@100Hz(HDMI)		
Others	TVIAX TCSOIGHOTT		3440x1440@180Hz(DP)		
	Plug & Play		VESA DDC2B/CI		
	Input Connector		HDMI/DP		
	Power Source		100-240V~, 50/60Hz,1.5/	Α	
	Power	Typical (default brightness and contrast)	59W		
	Consumption	Max. (brightness = 100, contrast =100)	≤120W		
	Standby mode		≤0.5W		
Physical	Connector Typ	е	HDMIx2/DPx2/USBx4/USB upstream /Earphone out		
Characteristics	Signal Cable Ty	/pe	Detachable		
	Temperature		Operating	0°C~ 40°C	
			Non-Operating	-25°C~ 55°C	
Environmental	Humidity		Operating	10% ~ 85% (non- condensing)	
			Non-Operating	5% ~ 93% (non-condensing)	
	Altitude		Operating	0m~5000m (0ft~16404ft)	
			Non-Operating	0m~12192m (0ft~40000ft)	

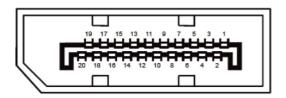
Preset Display Modes

STANDARD	RESOLUTION(+/-1Hz)	HORIZONTAL FREQUENCY(kHz)	VERTICAL FREQUENCY(Hz)
	640x480@60Hz	31.469	59.94
VGA	640x480@72Hz	37.861	72.809
	640x480@75Hz	37.5	75
	800x600@60Hz	37.879	60.317
SVGA	800x600@72Hz	48.077	72.188
	800x600@75Hz	46.875	75
	1024x768@60Hz	48.363	60.004
XGA	1024x768@70Hz	56.476	70.069
	1024x768@75Hz	60.023	75.029
CVCA	1280x1024@60Hz	63.981	60.020
SXGA	1280x1024@75Hz	79.976	75.025
) A () (C A .	1440x900@60Hz	55.935	59.887
WXGA+	1440x900@60Hz	55.469	59.901
VA (CV/C A	1680x1050@60Hz	65.290	59.954
WSXGA	1680x1050@60Hz	64.674	59.883
FHD	1920x1080@60Hz	67.5	60
\\/\	2560x1080@60Hz	66	60
WFHD	2560x1080@50Hz	56.25	50
	3440x1440@30Hz	44.408	29.985
	3440x1440@60Hz	89.819	59.973
	3440x1440@100Hz	150.972	99.982
WQHD	3440X1440@120Hz(DP Only)	181.2	120
	3440X1440@144Hz(DP Only)	214.56	144
	3440X1440@165Hz (DP Only)	244.36	165
	3440X1440@180Hz (DP Only)	266.580	180
'	IBM MO	DES	
DOS	720x400@70Hz	31.469	70.087
	мас мо	DES	
VGA	640x480@67Hz	35.000	66.667
SVGA	832x624@75Hz	49.725	74.551
XGA	1024x768@75Hz	60.241	74.927

Pin Assignments



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 O (p)
3	ML_Lane 3 (p)	13	CONFIGI
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 O (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.

Documents / Resources



AOC CU34G2XP LCD Monitor [pdf] User Manual CU34G2XP LCD Monitor, CU34G2XP, LCD Monitor, Monitor

References

- 1 Home AOC Monitor
- User Manual

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.