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msi G32CQ5P Series LCD Monitor User Guide

msi G32CQ5P Series LCD Monitor User Guide



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Getting Started

This chapter provides you with the information on hardware setup procedures. While connecting devices, be careful in holding the devices and use a grounded wrist strap to avoid static electricity.

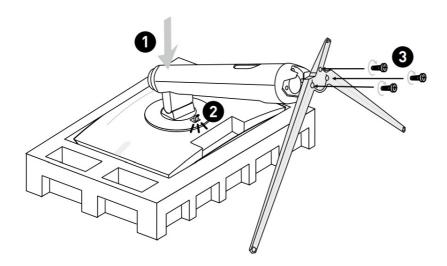
Package Contents

Monitor	G32CQ5P	
Documentation	Quick Start Guide	
	Stand	
Accessories	Stand Base with Screw(s)	
	Screw(s) for Wall Mount Bracket(s)	
	External Power Supply & Power Cord	
Cables	DisplayPort Cable (Optional)	



- Contact your place of purchase or local distributor if any of the items is damaged or missing.
- · Package contents may vary by country.
- The included power cord is exclusively for this monitor and should not be used with other products.

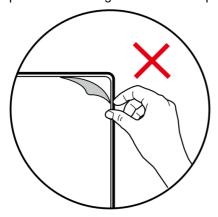
Installing the Monitor Stand



- 1. Leave the monitor in its protective packaging. Align the stand to the monitor groove.
- 2. Push the stand towards the monitor groove until it locks in place.
- 3. Connect the base to the stand and tighten the base screws to secure the base.
- 4. Make sure the stand assembly is properly installed before setting the monitor upright.



- Place the monitor on a soft, protected surface to avoid scratching the display panel.
- Do not use any sharp objects on the panel.
- The groove for installing the stand bracket can also be used for wall mount. Please contact your dealer for proper wall mount kit.
- This product comes with NO protective film to be removed by the user! Any mechanical damages to the product including removal of the polarizing film may affect the warranty!

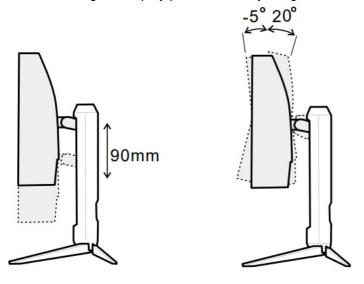


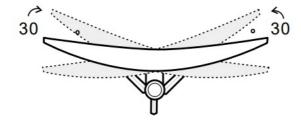
Adjusting the Monitor

This monitor is designed to maximize your viewing comfort with its adjustment capabilities.

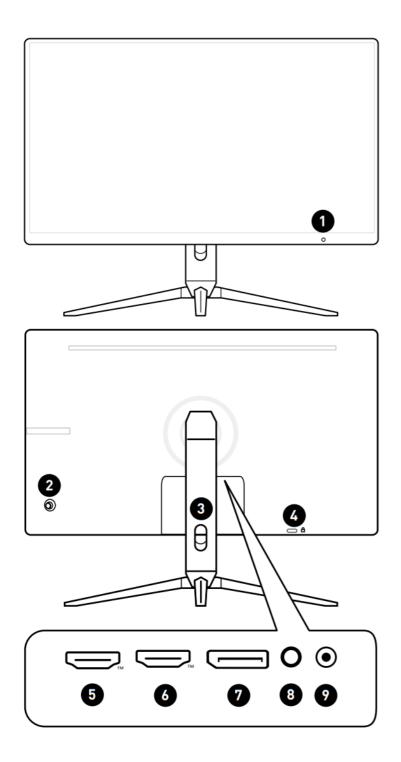


• Avoid touching the display panel when adjusting the monitor.



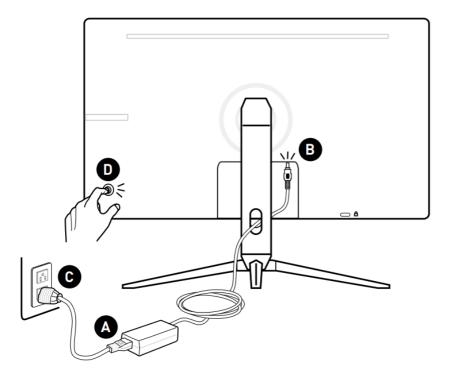


Monitor Overview



- 1. Power LED Lit in white after the monitor is turned on. If no signal input, the LED will turn into orange. Lit in orange when the monitor is in Stand-by mode.
- 2. Power Button & Navi Key
- 3. Cable Routing Hole
- 4. Kensington Lock
- 5. HDMI™ Connector Supports **HDMI™** CEC, 2560×1440@170Hz as specified in HDMI™ 2.0b.
- 6. HDMI™ Connector Supports 2560×1440@170Hz as specified in HDMI™ 2.0b.
- 7. DisplayPort Supports 2560×1440@170Hz as specified in DisplayPort 1.2a.
- 8. Headphone Jack
- 9. Power Jack

Connecting the Monitor to PC



- 1. Turn off your computer.
- 2. Connect the video cable from the monitor to your computer.
- 3. Assemble the external power supply & power cord. (Figure A)
- 4. Connect the external power supply to the monitor power jack. (Figure B)
- 5. Plug the power cord into the electrical outlet. (Figure C)
- 6. Turn on the monitor. (Figure D)
- 7. Power on the computer and the monitor will auto detect the signal source.

OSD Setup

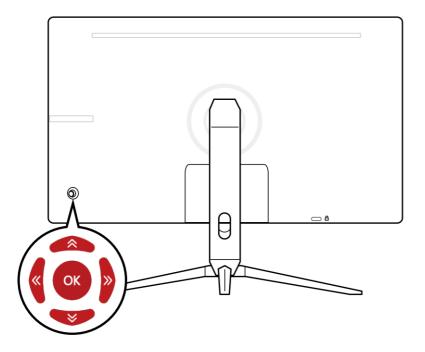
This chapter provides you with essential information on OSD Setup.



All information is subject to change without prior notice.

Navi Key

The monitor comes with a Navi Key, a multi-directional control that helps navigate the On-Screen Display (OSD) menu.



Up/Down/Left/Right:

- · selecting function menus and items
- · adjusting function values
- entering into/exiting from function menus

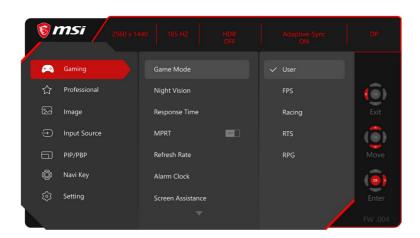
Press (OK):

- launching the On-Screen Display (OSD)
- · entering submenus
- · confirming a selection or setting

Hot Key

- Users may enter into preset function menus by moving the Navi Key up, down, left or right when the OSD menu is inactive.
- Users may customize their own Hot Keys to enter into different function menus.

OSD Menus



Important

The following settings will be grayed out when HDR signals are received:

- Night Vision
- MPRT
- Low Blue Light
- HDCR
- Brightness
- Contrast
- Color Temperature
- PIP/PBP

Gaming

1st Level Menu	2nd/3rd Level Menu	Description
	User	
	FPS	Use Up or Down Button to select and preview mod
Game Mode	Racing	e effects.Press the OK Button to confirm and apply your mod
	RTS	e type.
	RPG	
	OFF	
	Normal	
Night Vision	Strong	This function optimizes background brightness and is recommended for FPS games.
	Strongest	games
	A.I.	
	Normal	Costing to Footoot will wood the about of wood as to
Response Time	Fast	Setting to Fastest will reach the shortest response ti me and help improve blurred images when playing
	Fastest	very fast games.

1st Level Menu	2nd/3rd Level Menu		Description
MPRT	OFF		 MPRT is available when the refresh rate is over 85Hz. Activating MPRT will affect:
Refresh Rate	Location OFF	Left Top Right Top Left Bottom Right Bottom Customize	 Location is adjustable in OSD Menu. Press the OK Button to confirm and apply your Refresh Rate Location. This monitor follows and works at the Operating Sy stem's preset Screen Refresh Rate.
Alarm Clock	Left Top Right Top Location Left Bottom Right Bottom Customize OFF 15:00 30:00 00:01 ~ 99:59		 After setting the time, press the OK Button to activate the timer. Users have to manually restore their preset Alarm C lock after any AC power loss and reconnection.
	45:00 60:00		

1st Level Menu	2nd/3rd Level Menu	Description
	None	
Screen Assistance		 Through Al algorithm, this function enhances the vi sibility of in-game crosshair. Users can select the color and position of the cross hair.
	Position	
	Reset	
	OFF	Adaptivo Syno provente carean teorina
Adaptive-Sync	ON	 Adaptive-Sync prevents screen tearing. Activating Adaptive-Sync will affect:

Professional

1st Level Menu	2nd Level Menu	Description
	Eco	
	User	Use Up or Down Button to select and preview mode effect
Pro Mode	Anti-Blue	ts.
PTO Mode	Movie	Press the OK Button to confirm and apply your mode type
	Office	
	sRGB	
	OFF	Low Blue Light protects your eyes against blue light. Whe
Low Blue Light	ON	 n enabled, Low Blue Light adjusts the screen color temper ature to a more yellow glow. When Pro Mode is set to Anti-Blue, it is mandatory to ena ble Low Blue Light.

1st Level Menu	2nd Level Menu	Description
	OFF	HDCR enhances image quality by increasing the contrast
HDCR	ON	of images. • Activating HDCR will affect:
	OFF	MPRT is available when the refresh rate is over 85Hz.
MPRT	ON	Activating MPRT will affect:
	OFF	
Image Enhancement	Weak	
	Medium	Image Enhancement enhances image edges to improve t heir acutance.
	Strong	
	Strongest	

Image

1st Level Menu	2nd/3rd Level Menu		Description
Brightness	0-100		· Properly adjust Brightness according to the surroun ding lighting.
Contrast	0-100		· Properly adjust Contrast to relax your eyes.
Sharpness	0-5		· Sharpness improves clarity and details of images.
Cool			Use Up or Down Button to select and preview mod e effects. Press the OK Button to confirm and apply
	Normal		
Color Temperature	Warm		
Color Temperature	Customization	R (0-100)	your mode type. Users can adjust Color Temperatur e in Customization mode.
		G (0-100)	
		B (0-100)	

1st Level Menu	2nd/3rd Level Menu	Description
	Auto	
Screen Size	4:3	· Users can adjust Screen Size in any mode, any res olution and any screen refresh rate. · Activating Scre
Screen Size	16:9	en Size 1:1 will affect:
	1:1	

Input Source

2nd Level Menu	Description	
	Users can adjust Input Source in any mode.	
OFF		
	Users can use the Navi Key to select Input Source at below status:	
ON	While "Auto Scan" is set to "OFF" with the monitor at power	
	saving mode;	
	While "No Signal" message box is shown on the monitor.	
	OFF	

PIP/PBP

1st Level Menu	2nd/3rd Level Menu		Description
OFF			
		HDMI™ 1	
	Source	HDMI™ 2	
		DP	
		Small	
	PIP Size	Medium	PIP (Picture in Picture) allows users to simultaneously
DID		Large	display multiple video sources on one screen.
PIP		Left Top	One program is displayed on the full screen at the sa
	Lasation	Right Top	me time as one or more other programs are displayed
	Location	Left Bottom	 in inset windows. PBP (Picture by Picture) is a similar feature that
		Right Bottom	displays two input sources side-by-side on the
	Display Swit	tch	screen.
	Audio Switch		Display Switch allows users to switch between primar y and secondary input sources.
		HDMI™ 1	 If there is only one signal input, the Display Switch an
	Source 1	HDMI™ 2	d Audio Switch will be grayed out.
		DP	Activating PIP/PBP will affect:
DDD		HDMI™ 1	
PBP	Source 2	HDMI™ 2	
		DP	
	Display Swit	tch	
	Audio Switch		
	Audio Switc	h	

Navi Key

1st Level Menu	2nd Level Menu	Description
	OFF	
	Brightness	
	Game Mode	
Up Down Left Right	Screen Assistance	
	Alarm Clock	· All Navi Key items can be adjusted via OSD Menus.
	Input Source	All Navi Ney Items can be adjusted via OSD Menus.
	PIP/PBP Mode	
	Refresh Rate	
	Info. On Screen	- -
	Night Vision	- -

Setting

1st Level Menu	2nd Level Menu	Description
Language	English Français Deutsch Italiano Español Русский Português	 Users have to press the OK Button to confirm and apply the Language setting. Language is an independent setting. Users' own language setting will override the factory default. When users set Reset to Yes, Language will not be changed.
	Bahasa Indonesia Türkçe	_
	(More languages coming s oon)	
Transparency	0~5	Users can adjust Transparency in any mode.

OSD Time Out	5~30s	Users can adjust OSD Time Out in any mode.	
Power Button	OFF	When set to OFF, users can press the power button to urn off the monitor.	
	Standby	When set to Standby, users can press the power button to turn off the panel and backlight.	
Info. On Screen	OFF	The information of the monitor status will be shown or	
	ON	he right side of the screen.	
DP OverClocking	OFF	To overclock the monitor refresh rate, users have to set	
	ON	DP OverClocking to ON.	
	OFF	HDMI™ CEC (Consumer Electronics Control) suppor	
HDMI™ CEC	ON	 Sony PlayStation®, Nintendo® Switch™, Xbox Series X S consoles and various audio-visual devices that are CEC-capable. If HDMI™ CEC is set to ON: The monitor will automatically power on when the CEC device is turned on The CEC device will enter power saving mode when the e monitor is turned off. When Sony PlayStation®, Nintendo® Switch™, or Xbo x Series X S console is connected, Game Mode and Pr o Mode will be automatically set to default Eco mode a nd can be adjusted to users' preferred modes later. 	

Specifications

Monitor	G32CQ5P
Size	31.5 inch
Curvature	1500R
Panel Type	VA
Resolution	2560 x 1440 (WQHD)
Aspect Ratio	16:9
Brightness	SDR: 250 nits (typ.)
Contrast Ratio	3000:1
Refresh Rate	170Hz
Response Time	1ms (MPRT)4ms (GTG)20ms (Tr+Tf)
I/O	· HDMI™ Connector x 2· DisplayPort x 1· Headphone Jack x 1
View Angles	178°(H) , 178°(V)
DCI-P3*/ sRGB	91%/ 115%
Surface Treatment	Anti-glare
Display Colors	1.07B 10bits (8 bits + FRC)
Monitor Power Options	19.0V 3.42A
External Power Supply	Model: ADS-65HI-19A-1 19065E
Power Input	100~240Vac, 50~60Hz
Power Output	19.0V 3.42A
Adjustment (Height)	0 ~ 90mm
Adjustment (Tilt)	-5° ~ 20°
Adjustment (Swivel)	-30° ~ 30°
Kensington Lock	Yes
VESA Mounting	 Plate Type: 75 x 75 mm Screw Type: M4 x 10 mm Thread Diameter: 4 mm Thread Pitch: 0.7 mm Thread Length: 10 mm

Preset Display Modes



All information is subject to change without prior notice.

			G32CQ5P	
Standard	Resolution			DP
VGA	640×480	@60H z	V	V
		@67H z	V	V
		@72H z	V	V
			V	V
Dos-Mode	720×480	@60H z	V	V
	720×576	@50H z	V	V
SVGA	800×600	@56H z	V	V
		@60H z	V	V
		@72H z	V	V
		@75H z	V	V
XGA	1024×768	@60H z	V	V
		@70H z	V	V
		@75H z	V	V
SXGA	1280×1024	@60H z	V	V
		@75H z	V	V
WXGA+	1440×900	@60H z	V	V
WSXGA+	1680×1050	@60H z	V	V
		@60H z	V	V
		@120 Hz	V	V

QHD	2560×1440		@144 Hz	V	V
			@165 Hz		V
			@170 Hz		V*
Video Timi ng Resolut ion	720P			V	V
	1080P	@60Hz			V
	1080P	@120Hz		V	V
	2160P	@30Hz		V	
	2160P	@60Hz		V	
PBP Mode	1280×1 440 @60Hz			V	V

Troubleshooting

The power LED is off.

- Press the monitor power button again.
- Check if the monitor power cable is properly connected.

No image.

- Check if the computer graphics card is properly installed.
- Check if the computer and monitor are connected to electrical outlets and areturned on.
- Check if the monitor signal cable is properly connected.
- The computer may be in Standby mode. Press any key to activate the monitor

The screen image is not properly sized or centered.

• Refer to Preset Display Modes to set the computer to a setting suitable for the monitor to display.

No Plug & Play.

- Check if the monitor power cable is properly connected.
- Check if the monitor signal cable is properly connected.
- Check if the computer and graphics card are Plug & Play compatible

The icons, font or screen are fuzzy, blurry or have color problems.

- · Avoid using any video extension cables.
- · Adjust brightness and contrast.

- Adjust RGB color or tune color temperature.
- Check if the monitor signal cable is properly connected.
- Check for bent pins on the signal cable connector.

The monitor starts flickering or shows waves.

- Change the refresh rate to match the capabilities of your monitor.
- Update your graphics card drivers.
- Keep the monitor away from electrical devices that may cause electromagnetic interference (EMI).

Safety Instructions

- · Read the safety instructions carefully and thoroughly.
- All cautions and warnings on the device or User Guide should be noted.
- · Refer servicing to qualified personnel only

Power

- Make sure that the power voltage is within its safety range and has been adjusted properly to the value of 100~240V before connecting the device to the power outlet.
- If the power cord comes with a 3-pin plug, do not disable the protective earth pin from the plug. The device must be connected to an earthed mains socket-outlet.
- Please confirm the power distribution system in the installation site shall provide the circuit breaker rated 120/240V, 20A (maximum).
- Always disconnect the power cord or switch the wall socket off if the device would be left unused for a certain time to achieve zero energy consumption.
- Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.
- If this device comes with an adapter, use only the MSI provided AC adapter approved for use with this device.

Environment

- To reduce the possibility of heat-related injuries or of overheating the device, do not place the device on a soft, unsteady surface or obstruct its air ventilators.
- Use this device only on a hard, flat and steady surface.
- To prevent the device from tipping over, secure the device to a desk, wall or fixed object with an anti-tip fastener that helps to properly support the device and keep it safe in place.
- To prevent fire or shock hazard, keep this device away from humidity and high temperature.
- Do not leave the device in an unconditioned environment with a storage temperature above 60°C or below 20°C, which may damage the device.
- The maximum operating temperature is around 40°C.
- When cleaning the device, be sure to remove the power plug. Use a piece of soft cloth rather than industrial chemical to clean the device. Never pour any liquid into the opening; that could damage the device or cause electric shock.
- Always keep strong magnetic or electrical objects away from the device.

- If any of the following situations arises, get the device checked by service personnel:
 - The power cord or plug is damaged.
 - · Liquid has penetrated into the device.
 - The device has been exposed to moisture.
 - The device does not work well or you can not get it working according to the User Guide.
 - The device has dropped and damaged.
 - The device has obvious sign of breakage.

TÜV Rhineland Certification

TÜV Rheinland Low Blue Light Certification

Blue light has been shown to cause eye fatigue and discomfort. MSI now offers monitors with TÜV

Rhineland Low Blue Light certification to ensure users' eye comfort and well-being. Please follow the instructions below to reduce the symptoms from extended exposure to the screen and blue light.

- Place the screen 20 28 inches (50 70 cm) away from your eyes and a little below eye level.
- Consciously blinking the eyes every now and then will help to reduce eye strain after extended screen time.
- Take breaks for 20 minutes every 2 hours.
- Look away from the screen and gaze at a distant object for at least 20 seconds during breaks.
- Make stretches to relieve body fatigue or pain during breaks.
- Turn on the optional Low Blue Light function.

TÜV Rhineland Flicker Free Certification

- TÜV Rhineland has tested this product to ascertain whether the display produces visible and invisible flicker for the human eye and therefore strains the eyes of users.
- TÜV Rheinland has defined a catalogue of tests, which sets out minimum standards at various frequency ranges. The test catalogue is based on internationally applicable standards or standards common within the industry and exceeds these requirements.
- The product has been tested in the laboratory according to these criteria.
- The keyword "Flicker Free" confirms that the device has no visible and invisible flicker defined in this standard within the range of 0 – 3000 Hz under various brightness settings.
- The display will not support Flicker Free when Anti Motion Blur/MPRT is enabled. (The availability of Anti Motion Blur/MPRT varies by products.)

ENERGY STAR Certification



ENERGY STAR is a program run by the U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE) to promote energy efficiency. This product qualifies for ENERGY STAR in the "factory default" settings through which power savings will be achieved. Changing the factory default picture settings or enabling other features will increase power consumption, which could exceed the limits necessary to qualify for ENERGY STAR rating.

For more information on ENERGY STAR, refer to https://www.energystar.gov/.

Regulatory Notices

CE Conformity

This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EU), Low-voltage Directive (2014/35/EU), ErP Directive (2009/125/EC) and RoHS directive (2011/65/EU). This product has been tested and found to comply with the harmonized standards for Information Technology Equipment published under Directives of Official Journal of the European Union.



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 instruction manual, 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 measures listed below:

- 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/television technician for help.

Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

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.

MSI Computer Corp.

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WEEE Statement



Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2012/19/EU, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.

Chemical Substances Information

In compliance with chemical substances regulations, such as the EU REACH Regulation (Regulation EC No. 1907/2006 of the European Parliament and theCouncil), MSI provides the information of chemical substances in products at: https://csr.msi.com/global/index

RoHS Statement

Japan JIS C 0950 Material Declaration

A Japanese regulatory requirement, defined by specification JIS C 0950, mandates that manufacturers provide material declarations for certain categories of electronic products offered for sale after July 1, 2006. https://csr.msi.com/global/Japan-JIS-C-0950-Material-Declarations

India RoHS

This product complies with the "India E-waste (Management and Handling) Rule 2016" and prohibits use of lead, mercury, ambivalent chromium, predominated phenytoin or predominated phenytoin ether in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Turkey EEE Regulation

Ukraine Restriction of Hazardous Substances

The equipment complies with requirements of the Technical Regulation, approved by the Resolution of Cabinet of Ministry of Ukraine as of 10 March 2017, № 139, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

Vietnam RoHS

As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

Green Product Features

- · Reduced energy consumption during use and stand-by
- · Limited use of substances harmful to the environment and health
- · Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy upgrades
- · Reduced solid waste production through take-back policy

Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.
- Visit the MSI website and locate a nearby distributor for further recycling information.
- Users may also reach us at gpcontdev@msi.com for information regarding proper disposal, take-back, recycling, and disassembly of MSI products.

Warning!

Overuse of screens is likely to affect eyesight.

Recommendations:

- 1. Take a 10-minute break for every 30 minutes of screen time.
- 2. Children under 2 years of age should have no screen time. For children aged 2 years and over, screen time should be limited to less than one hour per day.

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The terms HDMI[™], HDMI[™] High-Definition Multimedia Interface, HDMI[™] Trade dress and the HDMI[™] Logos are trademarks or registered trademarks of HDMI[™] Licensing Administrator, Inc.

Technical Support

If a problem arises with your product and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please visit https://www.msi.com/support/ for further guidan.

Documents / Resources



msi G32CQ5P Series LCD Monitor [pdf] User Guide G32CQ5P Series LCD Monitor, G32CQ5P Series, LCD Monitor, Monitor

G Series LCD Monitor SEECOST DESIGN

References

- **9** MSI Redirect
- 🖁 <u>csr</u>
- **ENERGY STAR** | The simple choice for energy efficiency.
- Support | MSI Global
- User Manual

Manuals+, Privacy Policy