



# MPG Series OLED Monitor

MPG 491CQP QD-OLED (3FA8)

User Guide

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#### Revision

V1.0, 2023/12

# **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	MPG 491CQP QD-OLED			
Documentation	Quick Start Guide			
Accessories	Stand			
	Stand Base with Screw(s)			
	Screw(s) for Wall Mount Bracket(s)			
	Power Cord			
Cables	Ultra High Speed HDMI™ Cable (Optional)			
	USB Upstream Cable (Optional) (for USB Type-B Upstream Port)			

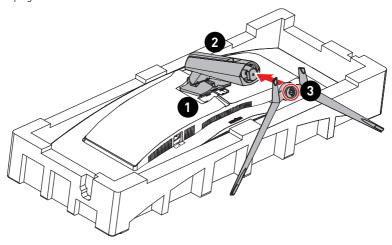


# Important

- 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**

- 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 screw to secure the base.
- Make sure the stand assembly is properly installed before setting the monitor upright.



# 🚹 In

#### **Important**

- 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!



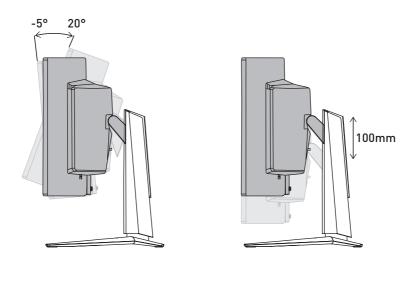
# **Adjusting the Monitor**

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



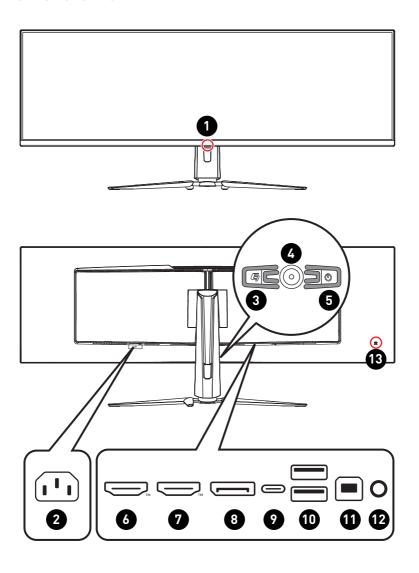
### ) Important

Avoid touching the display panel when adjusting the monitor.





### **Monitor Overview**

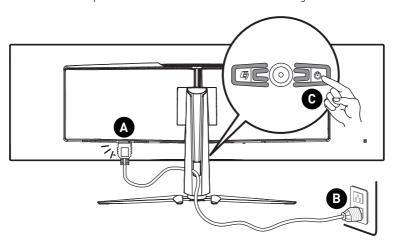


**Power LED** 1 Lit in white after the monitor is turned on. If no signal input, the LED will turn into orange. Lit in orange when the monitor is in Stand-by mode. Power Jack Macro Key To activate MSI Gaming Intelligence Application. Navi Key 5 **Power Button** Hami 6 **HDMI™** Connector Supports HDMI<sup>™</sup> CEC, 5120x1440@144Hz as specified in HDMI<sup>™</sup> 2.1. 7 HDMI™ Connector Supports 5120x1440@144Hz as specified in HDMI™ 2.1. **DisplayPort** 8 Supports 5120x1440@144Hz as specified in DisplayPort 1.4a. **USB Type-C Port** 9 USB Type-C Power Delivery This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/4.5A (90W) power 5V / 3A (15W) delivery. 9V / 3A [27W] 12V / 3A (36W) **Important** 15V / 3A (45W) Your USB-C signal source and cable must 20V / 3.25A (65W) support DisplayPort Alternate Mode to enable 20V / 4.5A (90W) video output to the monitor. 10 USB 2.0 Type-A Port USB 2.0 Type-B Upstream Port A For USB Upstream Cable. To Monitor **Important** Check the package for USB Upstream Cable and connect it to the PC and monitor. Once this cable is connected, the USB Type-A To PC Downstream Ports on the monitor will be ready for use. Headphone Jack

**Kensington Lock** 

### Connecting the Monitor to PC

- **1.** Turn off your computer.
- 2. Connect the video cable from the monitor to your computer.
- **3.** Connect the power cord to the monitor power jack. (Figure A)
- 4. Plug the power cord into the electrical outlet. (Figure B)
- **5.** Turn on the monitor. (Figure C)
- **6.** 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.

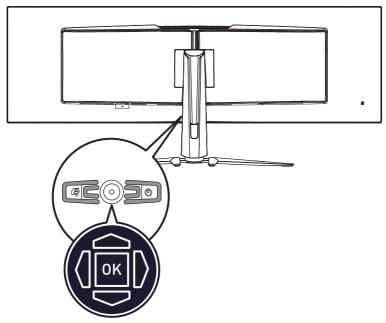


### /!\ Important

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

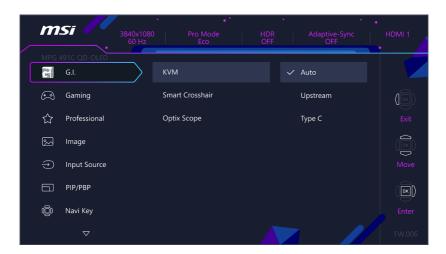
#### Press (OK):

- 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**





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

- Night Vision
- A.I. Vision
- Low Blue Light
- Brightness

- Contrast
- Color Temperature
- Optix Scope
- PIP/PBP

# G.I.

1st Level Menu	2nd/3rd Level Menu		Description
KVM	Auto Upstream		Auto allows the monitor to automatically switch between USB input sources, such as keyboards, mice or other USB devices.
	Type C		Users can also designate Upstream port or USB Type-C as the only USB signal source.
Smart Crosshair	Color	None       White  Red  Auto	Through AI algorithm, this function enhances the visibility of in-game crosshair.  Users can select the color and position of the crosshair.
	Reset		
Optix Scope	Scope Size	Small	The center point will zoom in when Optix Scope is enabled.
		Medium	Smart Crosshair and Optix Scope can be
	6	Large	enabled at the same time.
	Scope Ratio	x1.5	Activating Optix Scope will affect:
		x2	Affected Function Function Status
		х4	» Adaptive-Sync » PIP/PBP Set to OFF
	OFF		» Screen Size 1:1 Set to Auto
	ON		

# Gaming

1st Level Menu	2nd/3rd Lev	el Menu	Description	
Game Mode	Premium Color		Use Up or Down Button to select and preview	
	User		mode effects.	
	FPS		Press the OK Button to confirm and apply your mode type.	
	Racing			
	RTS			
	RPG			
Night Vision	OFF			es background brightness
	Normal		and is recommended	for FPS games.
	Strong			
	Strongest			
	A.I.			
A.I. Vision	0FF			mage quality by optimizing
	ON		the contrast of image brightness.	s and background
			Activating A.I. Vision v	vill affect:
			Affected Function	Function Status
			» Night Vision Unable to select	Unable to select
Refresh Rate	Location	Left Top	Location is adjustable in OSD Menu. Press to	
		Right Top	OK Button to confirm and apply your Refr Rate Location.  This monitor follows and works at the Op- System's preset Screen Refresh Rate.	and apply your Refresh
		Left Bottom		
		Right Bottom		en Refresh Rate.
		Customize		
	OFF			
	ON			
Alarm Clock	Location	Left Top	After setting the time activate the timer.	, press the OK Button to
		Right Top	Users have to manual	ly restore their preset
		Left Bottom	Alarm Clock after any	
			reconnection.	
	OFF			
	15:00	00:01 ~ 99:59		
	30:00			
	45:00			
	60:00			

1st Level Menu	2nd/3rd Level Menu	Description
Adaptive-Sync	OFF ON	Adaptive-Sync prevents screen tearing.     Activating Adaptive-Sync will affect:
		Affected Function Function Status
		» PIP/PBP Set to 0FF
		» Optix Scope
		» Screen Size 1:1 Set to Auto

# **Professional**

1st Level Menu	2nd Level Menu	Description
Pro Mode	Eco	Use Up or Down Button to select and preview mode
	User	effects.  • Press the OK Button to confirm and apply your mode
	Anti-Blue	type.
	Movie	The default setting "Eco" mode meets the
	Office	requirements of TÜV Rheinland's "Low Blue Light" standard and Eyesafe certification.
	sRGB	Activating sRGB, Adobe RGB, Display P3 will affect:
	Adobe RGB	Affected Function Function Status
	Display P3	» Color Temperature  » Low Blue Light  » Contrast  Unable to select
Low Blue Light	OFF ON	Low Blue Light protects your eyes against blue light.     When enabled, Low Blue Light adjusts the screen color temperature to a more yellow glow.      When Pro Mode is set to Anti-Blue, it is mandatory to
		enable Low Blue Light.  This monitor is a Low Blue Light backlight monitor, it would decrease the blue light emitted without adjusting OSD function.
Image Enhancement	OFF	Image Enhancement enhances image edges to improve
	Weak	their acutance.
	Medium	
	Strong	
	Strongest	

# **Image**

1st Level Menu	2nd/3rd Level Menu		De	scription	
Brightness	0-100		Properly adjust Brightness according to the surrounding lighting.		
Contrast	0-100		•	Properly adjust Contrast	to relax your eyes.
Sharpness	0-5		1 .	Sharpness improves cla images.	rity and details of
Color Temperature	Cool			Use Up or Down Button	to select and preview
	Normal		1	mode effects.	
	Warm			Press the OK Button to o mode type.	confirm and apply your
	Customization	R (0-100)		Users can adjust Color Temperature in Customization mode.	emperature in
		G (0-100)	] '		
		B (0-100)			
Screen Size	Auto		Users can adjust Screen Size in any mode, any		
	4:3	3		resolution and any screen refresh rate.  • Activating Screen Size 1:1 will affect:	
	16:9			Affected Function	Function Status
	32:9			» Adaptive-Sync	Tunction Status
	1:1		1	» PIP/PBP	Set to OFF
				» Optix Scope	
DisplayHDR	True Black 400		Users can set the DisplayHDR to True Black 400		yHDR to True Black 400
Peak 1000 nits		or Peak 1000 nits.			

# **Input Source**

1st Level Menu	2nd Level Menu	Description
HDMI™ 1		Users can adjust Input Source in any mode.
HDMI™ 2		
DP		
Type C		
Auto Scan	OFF	Users can use the Navi Key to select Input Source at
	ON	below status:
		<ul> <li>While "Auto Scan" is set to "OFF" with the monitor at power saving mode;</li> </ul>
		While "No Signal" message box is shown on the monitor.

# PIP/PBP

1st Level Menu	2nd/3rd Le	vel Menu	Description		
OFF			PIP (Picture in Picture) all		
PIP	Source	HDMI™ 1	ıltiple video sources on is displayed on the full		
		HDMI™ 2	screen at the same time a programs are displayed in		
		DP	a similar feature that		
		Type C	Type C displays two input sources side-by-side		
	PIP Size	Small	screen.  • Display Switch allows user	rs to switch hetween	
		Medium	primary and secondary inp		
		Large	If there is only one signal i and Audio Switch will be q		
	Location	Left Top	Users can adjust the ratio	•	
		Right Top	switching Mode 1/2/Custo	omize.	
		Left Bottom	Activating PIP/PBP will aff		
		Right	» Adaptive-Sync	Function Status	
		Bottom	» Optix Scope	Set to OFF	
		Customize	» DisplayHDR	Unable to select	
	Display Swi		» HDMI™ 2.1	Unable to select	
	Audio Switc	h	» HDMI™ CEC	Set to OFF	
PBP	Mode 1		» PIP: Screen Size 1:1		
	Mode 2		» PBP: Screen Size 4:3/ 16:9/ 32:9/ 1:1	Set to Auto	
	Customize	1			
	Source 1	HDMI™ 1			
		HDMI™ 2			
		DP			
		Type C			
	Source 2	HDMI™ 1			
		HDMI™ 2			
		DP			
		Type C			
	Display Switch				
	Audio Switc	h			

# Navi Key

1st Level Menu	2nd Level Menu	Description
Up	OFF	All Navi Key items can be adjusted via OSD Menus.
Down	Brightness	
Left Right	Game Mode	
Rigili	Smart Crosshair	
	Alarm Clock	
	Input Source	
	PIP/PBP Mode	
	Refresh Rate	
	Info. On Screen	
	Night Vision	
	Optix Scope	
	KVM	

# **Settings**

1st Level Menu	2nd Level Menu	Description
Language	繁體中文	Users have to press the OK Button to confirm and apply
	English	the Language setting.  • Language is an independent setting. Users' own
	Français	language setting will override the factory default. When
	Deutsch	users set Reset to Yes, Language will not be changed.
	Italiano	
	Español	
	한국어	
	日本語	
	Русский	
	Português	
	简体中文	
	Bahasa Indonesia	
	Türkçe	
	(More languages coming soon)	
Transparency	0~5	Users can adjust Transparency in any mode.
OSD Time Out	5~30s	Users can adjust OSD Time Out in any mode.

1st Level Menu	2nd Level Menu	Description
Power Button	OFF	When set to OFF, users can press the power button to turn 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 on
	ON	the right side of the screen.
HDMI™ 2.1	Console	To reach the maximum resolution, users have to set
	PC	HDMI™ 2.1 to PC.
HDMI™ CEC	OFF	HDMI™ CEC (Consumer Electronics Control) supports     Sony PlayStation®, Nintendo® Switch™, Xbox Series
	ON	XIS consoles and various audio-visual devices that are CEC-capable.
		If HDMI <sup>TM</sup> CEC is set to 0N:
		The monitor will automatically power on when the CEC device is turned on.
		The CEC device will enter power saving mode when the monitor is turned off.
		<ul> <li>When Sony PlayStation®, Nintendo® Switch™, or Xbox Series X S console is connected, Game Mode and Pro Mode will be automatically set to default modes and can be adjusted to users' preferred modes later.</li> </ul>
Type C PD Charge	OFF	This function enables users to charge their devices
	ON	through a USB Type-C connector.
Reset	YES	Users can Reset and restore settings to original OSD
	N0	Default in any mode.

# **MSI OLED Care**

1st Level Menu	2nd/3rd Level M	enu	Description			
Pixel Shift	Slow		Pixel Shift moves the pixels of your screen at			
	Normal		regular intervals to reduce the possibility of screen burn-in or image retention.			
	Fast					
Panel Protect	Panel Protect		To maintain panel image quality, panel protect function will automatically activate when monitor using over 4 hours.			
			This protect function may take several minutes to complete.			
			The power indicator will blink orange color until process done.			
			During process executing, please do not unplug the power cord from monitor.			
			During process executing, press power button again to cancel this function.			
Protect Notice	Auto		When set to Auto, Protect Notice will pop up			
	Usage 16 hrs		when the panel exceeds 4 hours of cumulative usage.			
			When set to Usage 16 hrs, Protect Notice will pop up when the panel exceeds 16 hours of cumulative usage.			
			When Panel Protect is interrupted, Protect Notice will pop up upon next power-up.			
Static Screen	OFF		If Static Screen Detection is set to ON:			
Detection	ON		When detecting static visuals over long periods of time, the monitor reduces brightness to prevent screen burn-in.			
			Once detecting moving visuals, the monitor restores its previous brightness setting.			
	Starting in	50 Sec	Starting in detects the time a static image			
		100 Sec	remains on the screen.			
	Time required	120 Sec	Time required specifies the time for brightness			
		240 Sec	reduction after detecting a static image for 50/100 seconds.			
			The brightness reduction level depends on the setting of Reducing Level.			
	Reducing Level	1-7	Users can select a level for brightness reduction.			
			Reducing effect depends on Brightness/ DisplayHDR setting.			

1st Level Menu	2nd/3rd Level M	enu	Description			
Multi Logo Detection	OFF ON		This function helps prevent image sticking phenomenon. When set to ON, brightness reduction of multi logo areas will kick in if logos are detected.  This function will not work when the monitor is			
			receiving VRR (Variable Refresh Rate) content.  VRR* VRR Content** Multi Logo Detection			
			ON	YES	Multi Logo Detection Set to OFF & Unable	
			ON	NO	to select	
			OFF	N0	Adjustable	
	Reducing Level	1-2	Users reduct	can select a level tion.	for brightness	
				ing effect depends yHDR setting.	on Brightness/	
Taskbar Detection	OFF		pheno	ınction helps preve menon. When set t	to ON, brightness	
	ON	-		ion of taskbar area ers are detected.	as will kick in if	
			This function will not work when the monitor is receiving VRR (Variable Refresh Rate) content.			
			VRR*	VRR Content**	Taskbar Detection	
			ON	YES	Set to OFF & Unable to select	
			ON OFF	NO NO	- Adjustable	
	Reducing Level	1-3	Users can select a level for brightness reduction.			
			Reduc	Reduction.  Reducing effect depends on Brightness/ DisplayHDR setting.		
Boundary Detection	0FF			unction helps preve menon. When set t		
	ON		reduct bound	ion of boundary ar aries, such as lette		
			lines, are detected.  This function will not work when the monito receiving VRR (Variable Refresh Rate) conte			
			VRR*	VRR Content**	Boundary Detection	
			ON	YES	Set to OFF & Unable to select	
			ON OFF	NO NO	Adjustable	
	Reducing Level	1-3	Users reduct	can select a level tion.	for brightness	
			Reducing effect depends or DisplayHDR setting.		on Brightness/	

1st Level Menu	2nd/3rd Level Menu	Description
OLED Panel Info.		This field shows the information of MSI OLED Care.

<sup>\*</sup> HDMI $^{\text{TM}}$  VRR (Variable Refresh Rate) synchronizes with Adaptive-Sync (ON/ OFF). For VRR ON/OFF status, please check Adaptive-Sync.

 $<sup>\</sup>ensuremath{^{**}}$  When VRR is set to 0N, the monitor scaler will detect whether the graphics card is sending VRR content.

# **Specifications**

Monitor	MPG 491CQP QD-OLED
Size	49 inch
Curvature	1800R
Panel Type	QD-OLED
Resolution	5120x1440 (DQHD)
Aspect Ratio	32:9
Brightness	SDR: 250 nits (typ.)
Contrast Ratio	1500000:1
Refresh Rate	144Hz
Response Time	• 0.03ms (GTG)
	• 0.1ms (Tr+Tf)
1/0	HDMI™ Connector x2
	• DisplayPort x1
	• USB Type-C Port x1
	• USB 2.0 Type-A Port x2
	• USB 2.0 Type-B Upstream Port x1
	Headphone Jack x1
View Angles	178°(H), 178°(V)
DCI-P3*/ sRGB	99.28% / 146.11%
Surface Treatment	Anti-Reflection
Display Colors	1.07B (10 bits)
Monitor Power Options	100-240Vac, 50/60Hz, 3A
Power Consumption	Power On < 270W
(Typical)	Standby < 0.5W
	Power Off < 0.3W
Adjustment (Height)	0 ~ 100mm
Adjustment (Tilt)	-5° ~ 20°
Adjustment (Swivel)	-30° ~ 30°
Kensington Lock	Yes

Monitor		MPG 491CQP QD-OLED		
VESA Mounting		• Plate Type: 100 x 100 mm		
		• Screw Type: M4 x 10 mm		
		Thread Diameter: 4 mm		
		Thread Pitch: 0.7 mm		
		Thread Length: 10 mm		
Dimension (W	x D x H)	1195 x 328 x 410 mm		
Weight	Net	10.3 kg		
	Gross	16 kg		
Environment	Operating	• Temperature: 0°C to 40°C		
		• Humidity: 20% to 90%, non-condensing		
		• Altitude: 0 ~ 5000m		
Storage		• Temperature: -20°C to 60°C		
		• Humidity: 10% to 90%, non-condensing		

<sup>\*</sup> Based on CIE1976 test standards.

# **Preset Display Modes**



All information is subject to change without prior notice.

Standard	Resolution			Standard Default Mode HDMI™ 2.1 - PC		
			HDMI™	DP	USB-C	
QHD	2560x1440	@60Hz	V	V	V	
		@120Hz	V	V	V	
WQHD	3840x1080	@60Hz	V	V	V	
		@100Hz	V	V	V	
		@144Hz	V	V	V	
DQHD	5120x1440	@60Hz	V	V	V	
		@100Hz	V	V	V	
		@120Hz	V	V	V	
		@144Hz	V	V	V	
Video Timing	720P		V	V	V	
Resolution	1080P	@60Hz	V	V	V	
		@120Hz	V	V	V	
	2160P	@30Hz	V			
		@60Hz	V			
		@120Hz	V			
	2560x1080P	@60Hz	V	V	V	
		@120Hz	V	V	V	
	HDMI™ VRR* f	for PS5	V			

Clarida de	Resolution		HDMI™ 2.	HDMI™ 2.1 - Console		
Standard			HDMI™	DP	USB-C	
QHD	2560x1440	@60Hz	V			
		@120Hz	V			
WQHD	3840x1080	@60Hz	V			
		@100Hz	V			
Video Timing	720P		V			
Resolution	1080P	@60Hz	V			
		@120Hz	V			
	2160P	@30Hz	V			
		@60Hz	V			
		@120Hz	V			
	2560x1080P	@60Hz	V			
		@120Hz	V			
	HDMI™ VRR* for PS5		V			

Chandand	Resolution		PIP Mode (Not Support HDR)		
Standard			HDMI™	DP	USB-C
Full HD	1920x1080	@60Hz	٧	٧	٧
QHD	2560x1440	@60Hz	V	V	٧
		@120Hz	٧	٧	٧
WQHD	3840x1080	@60Hz	٧	٧	٧
DQHD	5120x1440	@60Hz	٧	٧	V
Video Timing	720P		٧	٧	V
Resolution	1080P	@60Hz	٧	٧	٧
		@120Hz	٧	٧	٧
	2160P	@30Hz	٧	٧	
		@50Hz	٧	٧	
		@60Hz	٧	٧	
		@120Hz	٧	٧	٧

Chandrad	Resolution		PBP Mode 1 (Not Support HDR)		
Standard			HDMI™	DP	USB-C
QHD	2560x1440	@60Hz	V	٧	٧
		@120Hz	V	٧	٧
Video Timing	720P		٧	٧	٧
Resolution	1080P	@60Hz	V	٧	٧
		@120Hz	V	٧	٧
	2160P	@60Hz	V	٧	٧
		@120Hz	V	V	٧
Used for PBP Full Screen	3840x1440	@60Hz	V	V	٧
	1280x1440	@60Hz	V	V	٧

Standard	Resolution		PBP Mode 2/Customize (Not Support HDR)		
				DP	USB-C
QHD	2560x1440	@60Hz	٧	V	٧
		@120Hz	٧	٧	٧
Video Timing	720P		٧	V	V
Resolution	1080P	@60Hz	٧	V	٧
		@120Hz	٧	V	٧
	2160P	@60Hz	٧	V	٧
		@120Hz	٧	V	٧
Used for PBP Full Screen	2560x1440	@60Hz	V	V	V

<sup>\*</sup> HDMI<sup>TM</sup> VRR (Variable Refresh Rate) synchronizes with Adaptive-Sync (ON/ OFF).

# **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 are turned 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 Rheinland Certification**

### TÜV Rheinland Low Blue Light Certification

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

 TÜV Rheinland 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.)

# 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.

### FCC-B Radio Frequency Interference Statement

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 the Council), 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, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

#### **Turkey EEE Regulation**

Conforms to the EEE Regulations of the Republic Of Turkey

#### 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,  $\mathbb{N}^2$  139, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

#### Vietnam RoHS

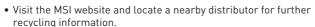
As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

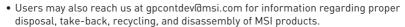
#### **Green Product Features**

- 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.





### 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.

### **Copyright and Trademarks Notice**

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### **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 guidance.

