MPG Series

OLED Monitor

MPG 491CQP QD-OLED (3FA8)

User Guide

Contents

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

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 screw to secure the base.

4. Make sure the stand assembly is properly installed before setting the monitor upright.
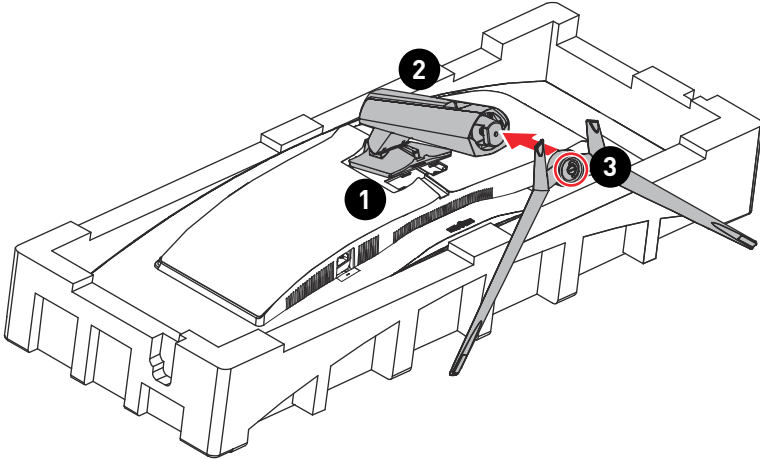
⚠ *Important*

- *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!*
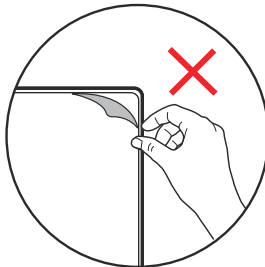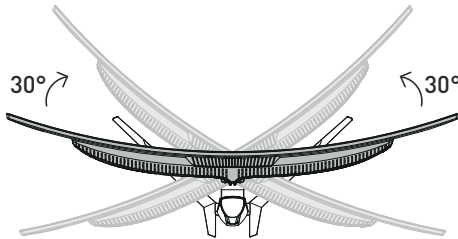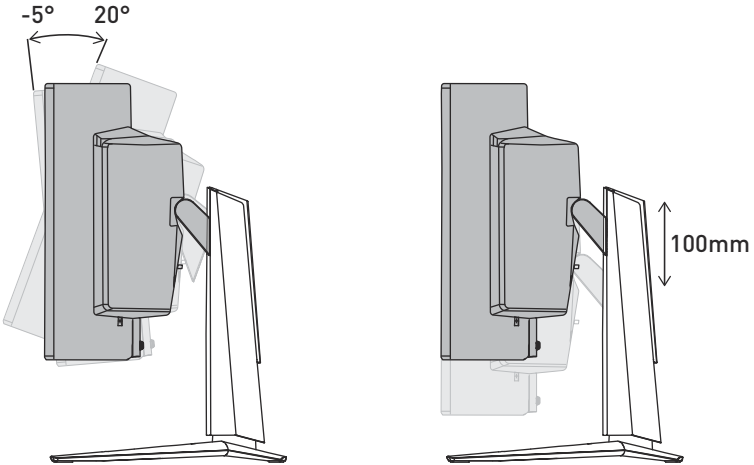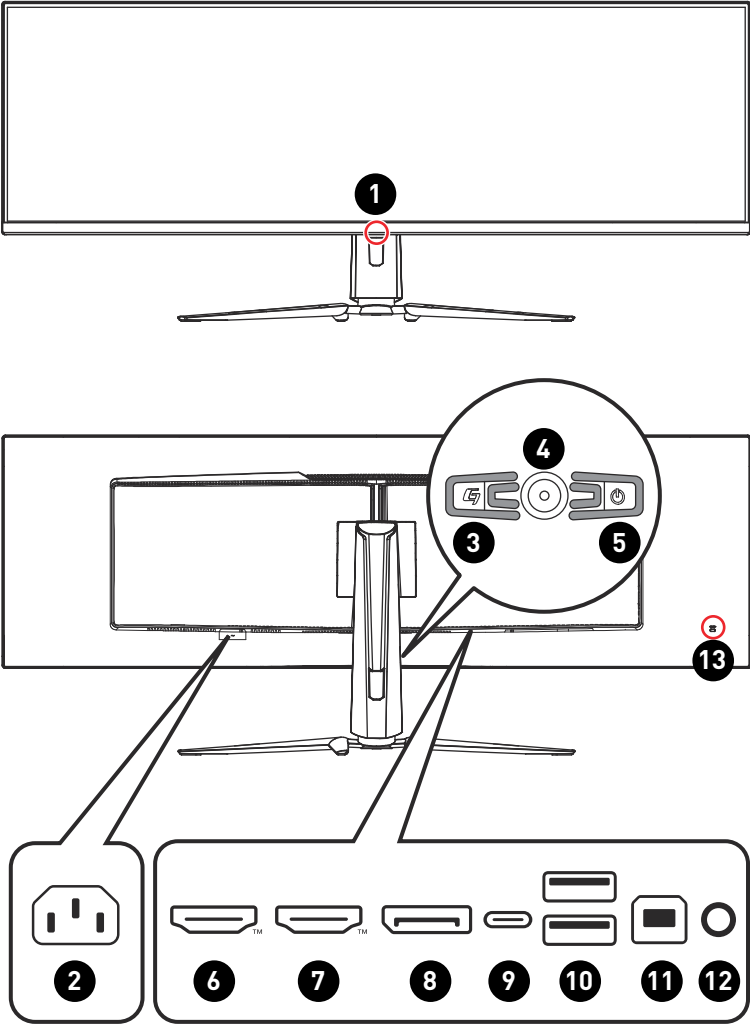
Adjusting the Monitor

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

⚠️ *Important*
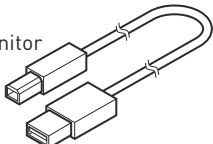
Avoid touching the display panel when adjusting the monitor.

-5°   20°

100mm

30°   30°

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 Jack**
3	**Macro Key** To activate MSI Gaming Intelligence Application.
4	**Navi Key**
5	**Power Button**
6	**HDMI™ Connector** HIGH-DEFINITION MULTIMEDIA INTERFACE™ Supports HDMI™ CEC, 5120x1440@144Hz as specified in HDMI™ 2.1.
7	**HDMI™ Connector** HIGH-DEFINITION MULTIMEDIA INTERFACE™ Supports 5120x1440@144Hz as specified in HDMI™ 2.1.
8	**DisplayPort** Supports 5120x1440@144Hz as specified in DisplayPort 1.4a.
9	**USB Type-C Port** This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/4.5A (90W) power delivery. ⚠️ *Important* *Your USB-C signal source and cable must support DisplayPort Alternate Mode to enable video output to the monitor.*
10	**USB 2.0 Type-A Port**
11	**USB 2.0 Type-B Upstream Port** For USB Upstream Cable. ⚠️ *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 Downstream Ports on the monitor will be ready for use.*
12	**Headphone Jack**
13	**Kensington Lock**

USB Type-C Power Delivery

5V / 3A (15W)
9V / 3A (27W)
12V / 3A (36W)
15V / 3A (45W)
20V / 3.25A (65W)
20V / 4.5A (90W)

To Monitor

To PC

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.
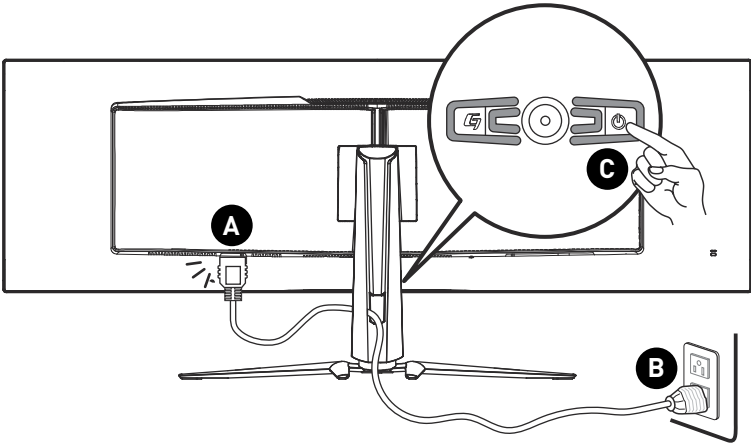
OSD Setup

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.
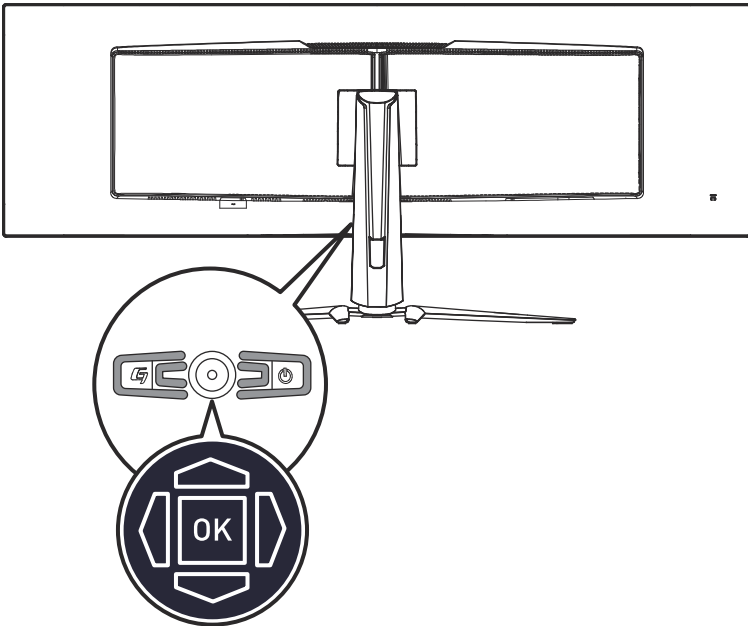
Up/Down/Left/Right:

• 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

⚠️ *Important*

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		• Auto allows the monitor to automatically switch between USB input sources, such as keyboards, mice or other USB devices. • Users can also designate Upstream port or USB Type-C as the only USB signal source.
	Upstream		
	Type C		
Smart Crosshair	Icon	None	• Through AI algorithm, this function enhances the visibility of in-game crosshair. • Users can select the color and position of the crosshair.
	Color	White	
		Red	
		Auto	
	Position		
	Reset		
Optix Scope	Scope Size	Small	• The center point will zoom in when Optix Scope is enabled. • Smart Crosshair and Optix Scope can be enabled at the same time. • Activating Optix Scope will affect:
		Medium	
		Large	
	Scope Ratio	x1.5	
		x2	
		x4	
	OFF		
	ON		

Affected Function	Function Status
» Adaptive-Sync » PIP/PBP	Set to OFF
» Screen Size 1:1	Set to Auto

Gaming

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

1st Level Menu	2nd/3rd Level Menu	Description
Adaptive-Sync	OFF	• Adaptive-Sync prevents screen tearing.
	ON	• Activating Adaptive-Sync will affect:

Affected Function	Function Status
» PIP/PBP	Set to OFF
» 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 effects.
	User	• Press the OK Button to confirm and apply your mode type.
	Anti-Blue	
	Movie	• The default setting "Eco" mode meets the requirements of TÜV Rheinland's "Low Blue Light" standard and Eyesafe certification.
	Office	
	sRGB	• Activating sRGB, Adobe RGB, Display P3 will affect:
	Adobe RGB	
	Display P3	
Low Blue Light	OFF	• Low Blue Light protects your eyes against blue light. When enabled, Low Blue Light adjusts the screen color temperature to a more yellow glow.
	ON	
		• 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 their acutance.
	Weak	
	Medium	
	Strong	
	Strongest	

For the Pro Mode row:

Affected Function	Function Status
» Color Temperature	Unable to select
» Low Blue Light	
» Contrast	

Image

1st Level Menu	2nd/3rd Level Menu		Description
Brightness	0-100		• Properly adjust Brightness according to the surrounding lighting.
Contrast	0-100		• Properly adjust Contrast to relax your eyes.
Sharpness	0-5		• Sharpness improves clarity and details of images.
Color Temperature	Cool		• Use Up or Down Button to select and preview mode effects.
	Normal		• Press the OK Button to confirm and apply your mode type.
	Warm		
	Customization	R (0-100)	• Users can adjust Color Temperature in Customization mode.
		G (0-100)	
		B (0-100)	
Screen Size	Auto		• Users can adjust Screen Size in any mode, any resolution and any screen refresh rate.
	4:3		• Activating Screen Size 1:1 will affect:
	16:9		
	32:9		
	1:1		

Affected Function	Function Status
» Adaptive-Sync	
» PIP/PBP	Set to OFF
» Optix Scope	

1st Level Menu	2nd/3rd Level Menu	Description
DisplayHDR	True Black 400	• Users can set the DisplayHDR to True Black 400 or Peak 1000 nits.
	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 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.

PIP/PBP

1st Level Menu	2nd/3rd Level Menu		Description
OFF			• PIP (Picture in Picture) allows users to simultaneously display multiple video sources on one screen. One program is displayed on the full screen at the same time as one or more other programs are displayed in inset windows.
PIP	Source	HDMI™ 1	
		HDMI™ 2	• PBP (Picture by Picture) is a similar feature that displays two input sources side-by-side on the screen.
		DP	
		Type C	• Display Switch allows users to switch between primary and secondary input sources.
	PIP Size	Small	
		Medium	• If there is only one signal input, the Display Switch and Audio Switch will be grayed out.
		Large	• Users can adjust the ratio of window division by switching Mode 1/ 2/ Customize.
	Location	Left Top	
		Right Top	• Activating PIP/PBP will affect:
		Left Bottom	
		Right Bottom	
		Customize	
	Display Switch		
	Audio Switch		
PBP	Mode 1		
	Mode 2		
	Customize		
	Source 1	HDMI™ 1	
		HDMI™ 2	
		DP	
		Type C	
	Source 2	HDMI™ 1	
		HDMI™ 2	
		DP	
		Type C	
	Display Switch		
	Audio Switch		

Affected Function	Function Status
» Adaptive-Sync	Set to OFF
» Optix Scope	
» DisplayHDR	Unable to select
» HDMI™ 2.1	
» HDMI™ CEC	Set to OFF
» PIP: Screen Size 1:1	Set to Auto
» PBP: Screen Size 4:3/ 16:9/ 32:9/ 1:1	

Navi Key

1st Level Menu	2nd Level Menu	Description
Up Down Left Right	OFF	• All Navi Key items can be adjusted via OSD Menus.
	Brightness	
	Game Mode	
	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 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.
	English	
	Français	
	Deutsch	
	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 the right side of the screen.
	ON	
HDMI™ 2.1	Console	• To reach the maximum resolution, users have to set HDMI™ 2.1 to PC.
	PC	
HDMI™ CEC	OFF	• HDMI™ CEC (Consumer Electronics Control) supports Sony PlayStation®, Nintendo® Switch™, Xbox Series X|S consoles and various audio-visual devices that are CEC-capable.
	ON	• 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 monitor is turned off. • 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.
Type C PD Charge	OFF	• This function enables users to charge their devices through a USB Type-C connector.
	ON	
Reset	YES	• Users can Reset and restore settings to original OSD Default in any mode.
	NO	

MSI OLED Care

1st Level Menu	2nd/3rd Level Menu		Description
Pixel Shift	Slow		• Pixel Shift moves the pixels of your screen at regular intervals to reduce the possibility of screen burn-in or image retention.
	Normal		
	Fast		
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 when the panel exceeds 4 hours of cumulative usage.
	Usage 16 hrs		• 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 Detection	OFF		• If Static Screen Detection is set to ON:
	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 remains on the screen.
		100 Sec	
	Time required	120 Sec	• Time required specifies the time for brightness reduction after detecting a static image for 50/100 seconds.
		240 Sec	• 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 Menu		Description
Multi Logo Detection	OFF		• This function helps prevent image sticking phenomenon. When set to ON, brightness reduction of multi logo areas will kick in if logos are detected.
	ON		• This function will not work when the monitor is receiving VRR (Variable Refresh Rate) content.

VRR*	VRR Content**	Multi Logo Detection
ON	YES	Set to OFF & Unable to select
ON	NO	Adjustable
OFF	NO	

1st Level Menu	2nd/3rd Level Menu		Description
	Reducing Level	1-2	• Users can select a level for brightness reduction. • Reducing effect depends on Brightness/DisplayHDR setting.
Taskbar Detection	OFF		• This function helps prevent image sticking phenomenon. When set to ON, brightness reduction of taskbar areas will kick in if taskbars are detected.
	ON		• 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	NO	Adjustable
OFF	NO	

1st Level Menu	2nd/3rd Level Menu		Description
	Reducing Level	1-3	• Users can select a level for brightness reduction. • Reducing effect depends on Brightness/DisplayHDR setting.
Boundary Detection	OFF		• This function helps prevent image sticking phenomenon. When set to ON, brightness reduction of boundary areas will kick in if boundaries, such as letters, pillars and vertical lines, are detected.
	ON		• This function will not work when the monitor is receiving VRR (Variable Refresh Rate) content.

VRR*	VRR Content**	Boundary Detection
ON	YES	Set to OFF & Unable to select
ON	NO	Adjustable
OFF	NO	

1st Level Menu	2nd/3rd Level Menu		Description
	Reducing Level	1-3	• Users can select a level for brightness reduction. • Reducing effect depends on Brightness/DisplayHDR setting.

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

* HDMI™ VRR (Variable Refresh Rate) synchronizes with Adaptive-Sync (ON/ OFF). For VRR ON/OFF status, please check Adaptive-Sync.

** When VRR is set to ON, 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)
I/O	• 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 (Typical)	Power On < 270W 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℃ to 40℃
		• Humidity: 20% to 90%, non-condensing
		• Altitude: 0 ~ 5000m
	Storage	• Temperature: -20℃ to 60℃
		• Humidity: 10% to 90%, non-condensing

* Based on CIE1976 test standards.

Preset Display Modes

⚠️ *Important*

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 Resolution	720P		V	V	V
	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* for PS5		V		

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

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

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

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

* HDMI™ 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℃ or below -20℃, which may damage the device.
- The maximum operating temperature is around 40℃.
- 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, № 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.

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.