



# MSI 271QRX MPG Series OLED Monitor User Guide

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**MSI 271QRX MPG Series OLED Monitor**



## Product Information

### Specifications

- Product Name: MPG Series OLED Monitor
- Models: MPG 271QRX QD-OLED (3CD7), MPG 321URX QD-OLED (3DD2)
- Revision: V1.0, 2023/12

### Getting Started

#### Package Contents

The package includes the following items:

- Monitor
- Documentation
- Accessories
- Cables
  - Quick Start Guide
  - Stand
  - Stand Base with Screw(s)
  - Screw(s) for Wall Mount Bracket(s)
  - Power Cord
  - Ultra High-Speed HDMI™ Cable (Optional)

### Important:

- Contact your place of purchase or local distributor if any of the items are 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.

**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 a proper wall-mount kit.

**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.
- Please slightly tilt the monitor before pivoting it.

**Monitor Overview**

1. Cable Routing Hole
2. Macro Key – To activate OSD Application.
3. Navi Key
4. Power Button
5. Kensington Lock
6. Headphone Jack
7. HDMI™ Connector (MPG 271QRX QD-OLED) – Supports HDMI™ CEC, 2560×1440@360Hz as specified in HDMI™ 2.1.
8. HDMI™ Connector (MPG 321URX QD-OLED) – Supports HDMI™ CEC, 3840×2160@240Hz as specified in HDMI™ 2.1.
9. HDMI™ Connector (MPG 271QRX QD-OLED) – Supports 2560×1440@360Hz as specified in HDMI™ 2.1.
10. HDMI™ Connector (MPG 321URX QD-OLED) – Supports 3840×2160@240Hz as specified in HDMI™ 2.1.
11. DisplayPort (MPG 271QRX QD-OLED) – Supports 2560×1440@360Hz as specified in DisplayPort 1.4.
12. DisplayPort (MPG 321URX QD-OLED) – Supports 3840×2160@240Hz as specified in DisplayPort 1.4.
13. USB Type-C Port – This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/4.5A (90W) power delivery.
14. USB Type-C Power Delivery – 5V / 3A (15W), 9V / 3A (27W)

**Important:**

Your USB-C signal source and cable must support DisplayPort Alternate Mode to enable video output to the monitor.

**FAQ**

- Q: What should I do if any of the package contents are missing or damaged?  
A: Contact your place of purchase or local distributor for assistance.
- Q: Can I use the included power cord with other products?  
A: No, the included power cord is exclusively for this monitor and should not be used with other products.
- Q: Can I use the monitor stand for wall mounting?  
A: Yes, the groove for installing the stand bracket can also be used for wall mount. Please contact your dealer for the proper wall mount kit.
- Q: What should I do if I accidentally touch the display panel while adjusting the monitor?  
A: It is recommended to avoid touching the display panel when adjusting the monitor to prevent any damage.

## 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

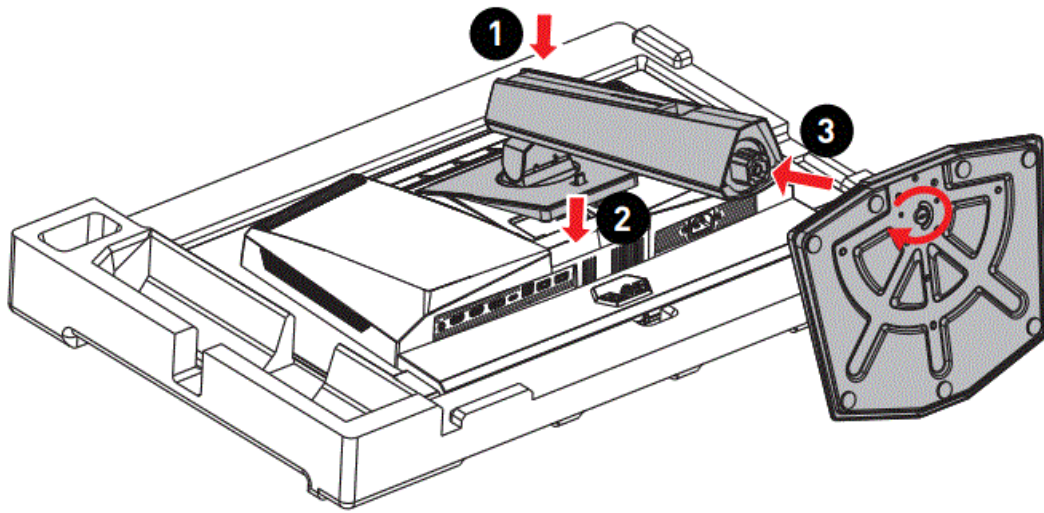
<b>Monitor</b>	MPG 271QRX QD-OLED MPG 321URX QD-OLED
<b>Documentation</b>	Quick Start Guide
<b>Accessories</b>	Stand
	Stand Base with Screw(s)
	Screw(s) for Wall Mount Bracket(s)
	Power Cord
<b>Cables</b>	Ultra High Speed HDMI™ Cable (Optional)

## 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.

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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 a proper wall-mount kit.

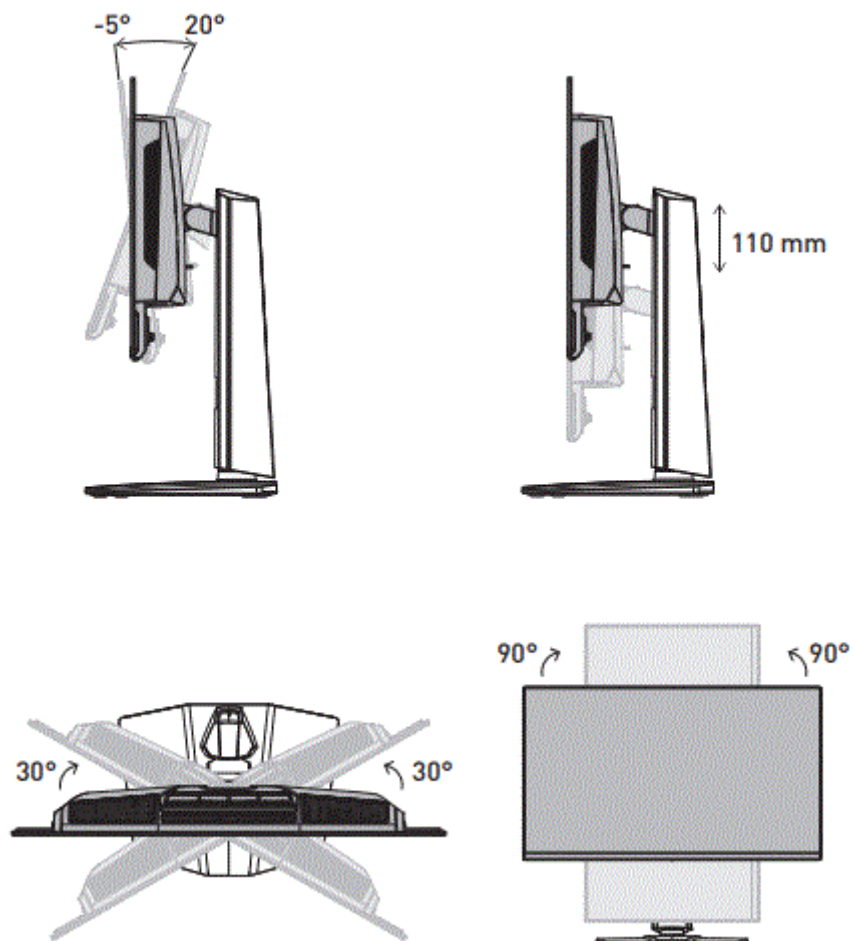
### Adjusting the Monitor

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

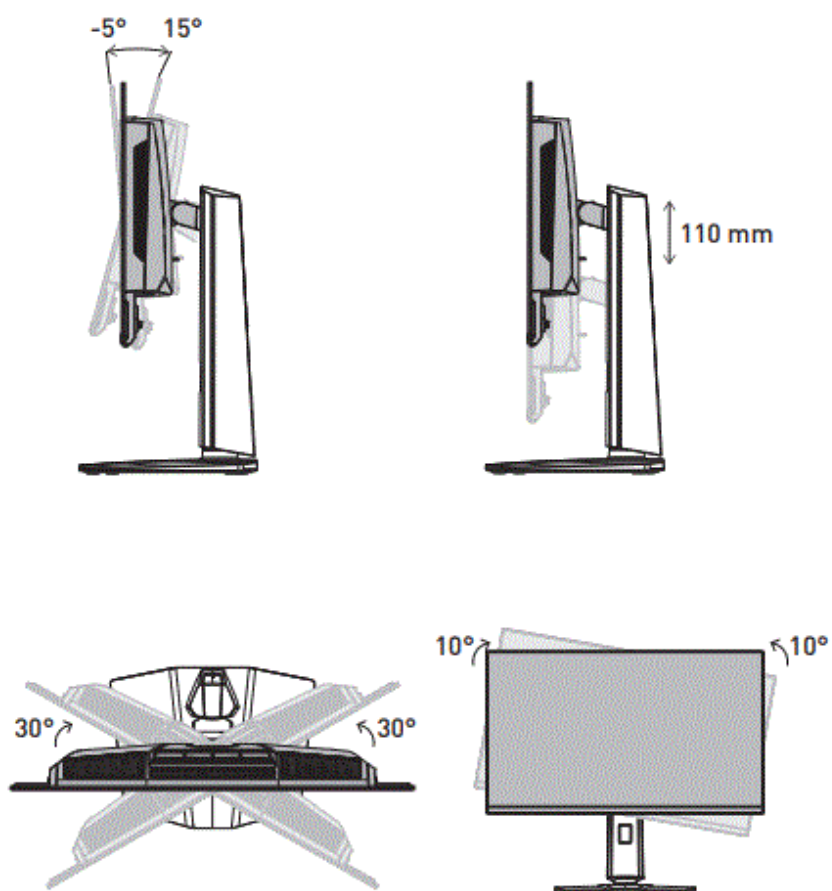
### Important

- Avoid touching the display panel when adjusting the monitor.
- Please slightly tilt the monitor slightly before pivoting it.

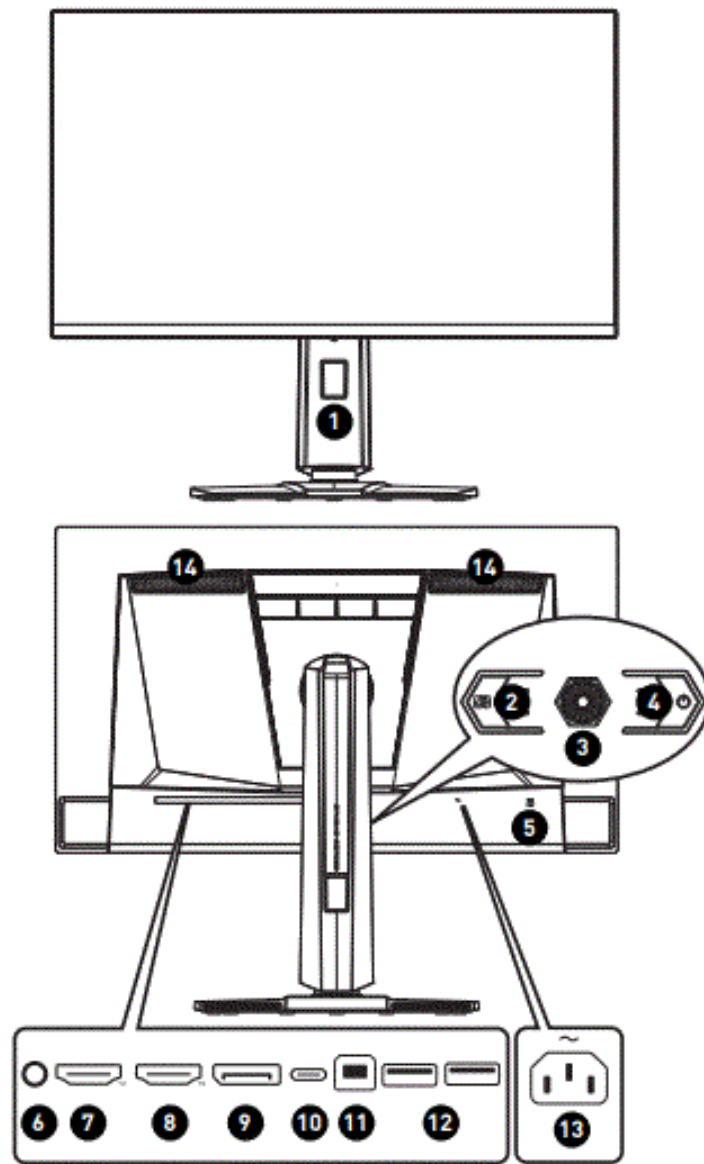
### MPG 271QRX QD-OLED





#### MPG 321URX QD-OLED



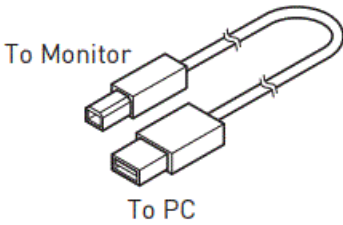
#### Monitor Overview



1	<b>Cable Routing Hole</b>
2	<b>Macro Key</b> To activate OSD Application.
3	<b>Navi Key</b>
4	<b>Power Button</b>
5	<b>Kensington Lock</b>
6	<b>Headphone Jack</b>

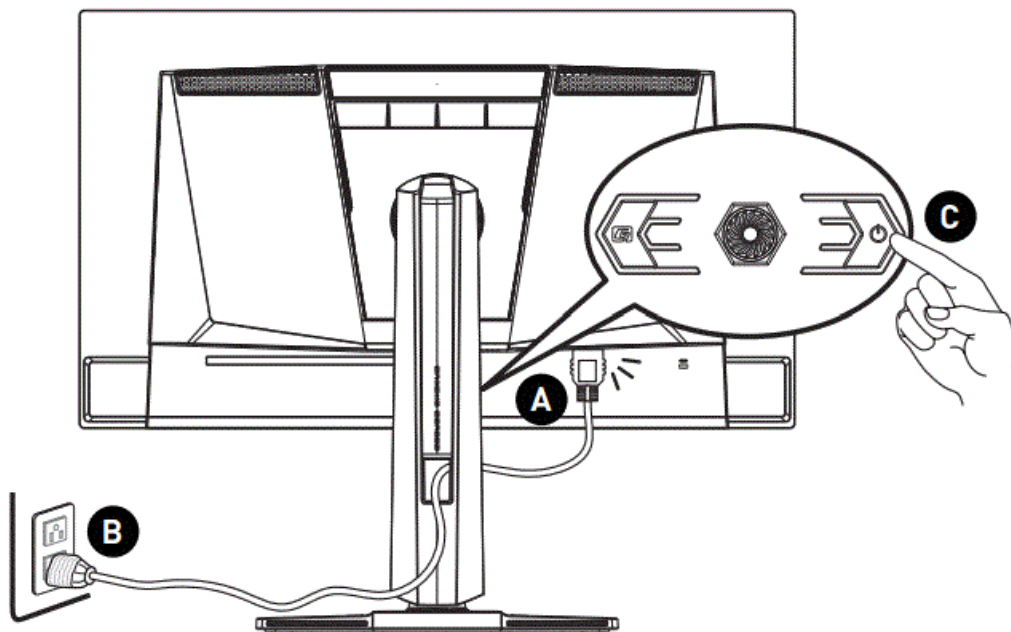
7	<p><b>HDMI™ Connector</b></p> <p></p> <p><b>(MPG 271QRX QD-OLED)</b></p> <p>Supports HDMI™ CEC, 2560×1440@360Hz as specified in HDMI™ 2.1.</p> <p><b>(MPG 321URX QD-OLED)</b></p> <p>Supports HDMI™ CEC, 3840×2160@240Hz as specified in HDMI™ 2.1.</p>						
8	<p><b>HDMI™ Connector</b></p> <p></p> <p><b>(MPG 271QRX QD-OLED)</b></p> <p>Supports 2560×1440@360Hz as specified in HDMI™ 2.1.</p> <p><b>(MPG 321URX QD-OLED)</b></p> <p>Supports 3840×2160@240Hz as specified in HDMI™ 2.1.</p>						
9	<p><b>DisplayPort</b></p> <p><b>(MPG 271QRX QD-OLED)</b></p> <p>Supports 2560×1440@360Hz as specified in DisplayPort 1.4.</p> <p><b>(MPG 321URX QD-OLED)</b></p> <p>Supports 3840×2160@240Hz as specified in DisplayPort 1.4.</p>						
10	<table><tr><th>USB Type-C Port</th><th>USB Type-C</th></tr><tr><td>This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/4.5A (90W) power delivery.</td><td><b>Power Delivery</b> 5V / 3A (15W) 9V / 3A (27W) 12V / 3A (36W) 15V / 3A (45W) 20V / 3.25A (65W) 20V / 4.5A (90W)</td></tr><tr><td><b>⚠ Important</b> Your USB-C signal source and cable must support DisplayPort Alternate Mode to enable video output to the monitor.</td><td></td></tr></table> <div><p><b>USB Type-C Power Delivery</b></p><p>5V / 3A (15W)</p><p>9V / 3A (27W)</p><p>12V / 3A (36W)</p><p>15V / 3A (45W)</p><p>20V / 3.25A (65W)</p><p>20V / 4.5A (90W)</p></div>	USB Type-C Port	USB Type-C	This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/4.5A (90W) power delivery.	<b>Power Delivery</b> 5V / 3A (15W) 9V / 3A (27W) 12V / 3A (36W) 15V / 3A (45W) 20V / 3.25A (65W) 20V / 4.5A (90W)	<b>⚠ Important</b> Your USB-C signal source and cable must support DisplayPort Alternate Mode to enable video output to the monitor.	
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<b>⚠ Important</b> Your USB-C signal source and cable must support DisplayPort Alternate Mode to enable video output to the monitor.							



11	<p><b>USB 2.0 Type-B Upstream Port</b></p> <p>For USB Upstream Cable.</p> <div data-bbox="687 188 1031 412">  </div> <p><b>⚠ Important</b></p> <p>Check the package for USB Upstream Cable and connect it to the PC and monitor.</p> <p>Once this cable is connected, the USB Type-A Downstream Ports on the monitor will be ready for use.</p>
12	<p><b>USB 2.0 Type-A Port</b></p>
13	<p><b>Power Jack</b></p>
14	<p><b>Ventilator</b></p> <p>The ventilator on the enclosure is used for air convection and to prevent the equipment from overheating. Do not cover the ventilator. Please remove the protective film.</p>

## Connecting the Monitor to the 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

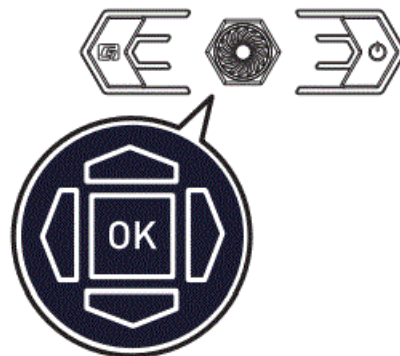
This chapter provides you with essential information on OSD Setup.

### 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):

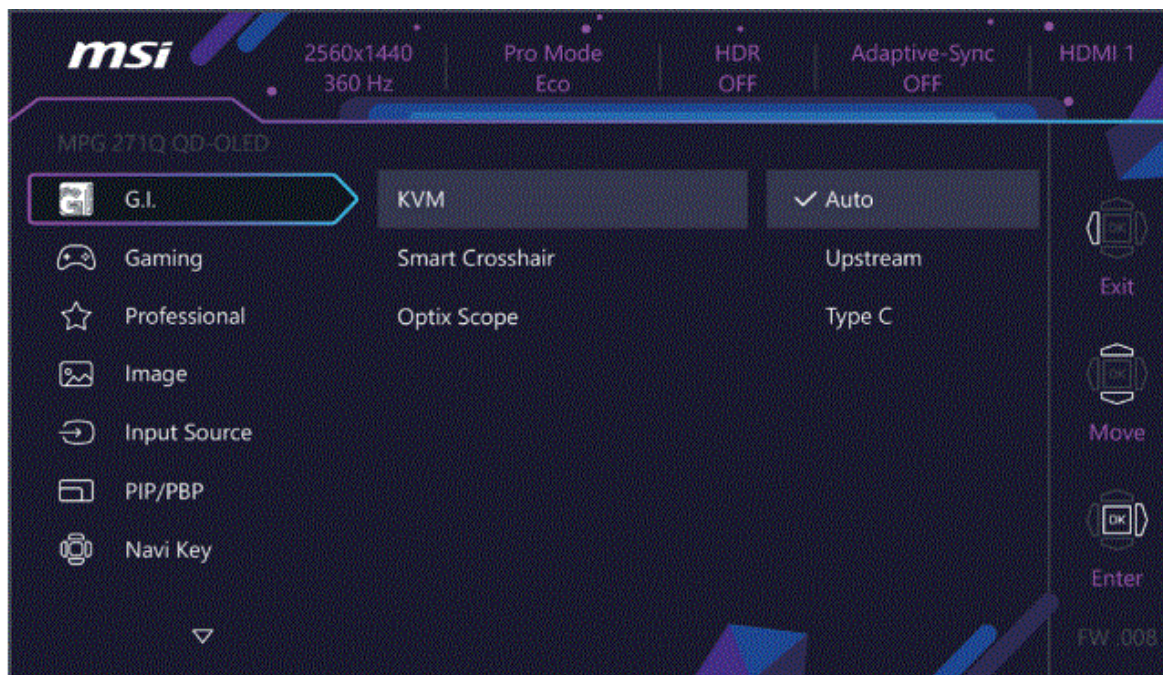
- launching the On-Screen Display (OSD)
- entering submenus
- confirming a selection or setting

## Hot Key

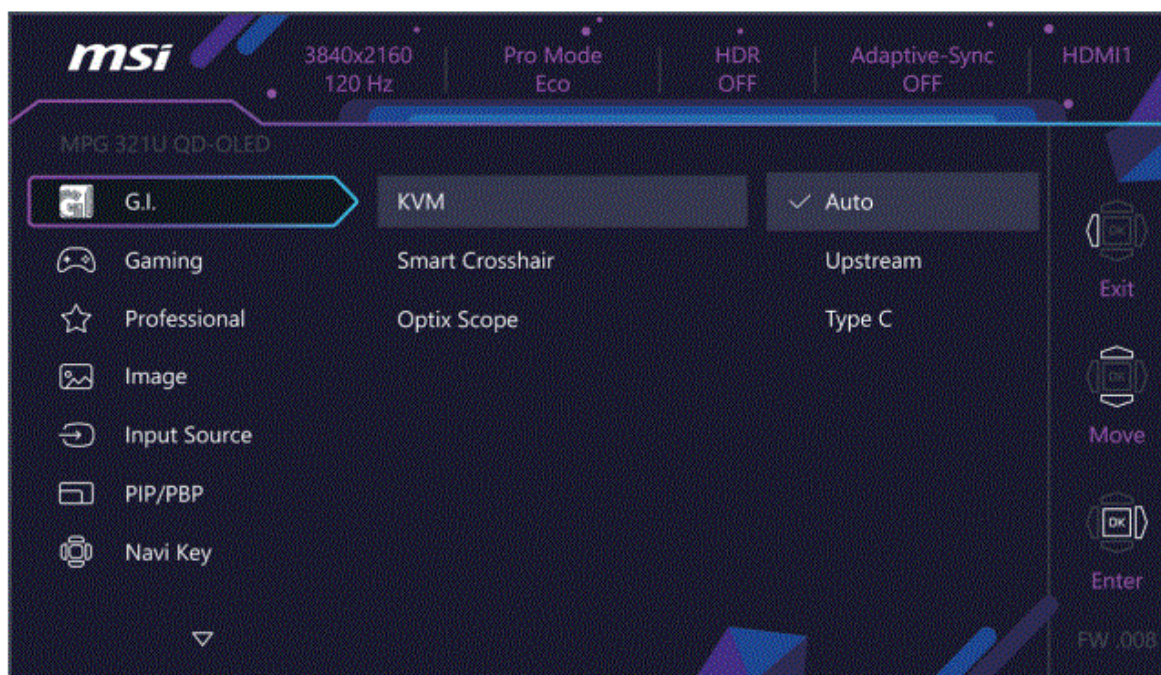
- Users may enter into preset function menus by moving the Navi Key up, down, left or right when the OSD menu is inactive.
- Users may customize their own Hot Keys to enter into different function menus.

## OSD Menus

### MPG 271QRX QD-OLED



### MPG 321URX QD-OLED




## Important

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

- Night Vision

- Low Blue Light
- Brightness
- Contrast
- Color Temperature
- Optix Scope
- PIP/PBP
- A.I. Vision

**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.
	Upstream		
	Type C		· Users can also designate Upstream port or USB Type-C as the only USB signal source.
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.
		Medium	
		Large	
	Scope Ratio	x1.5	· Smart Crosshair and Optix Scope can be enabled at the same time.
		x2	
		x3 (for MPG 271QR X QD-OLED)	· Activating Optix Scope will affect:
		x4 (for MPG 321UR X QD-OLED)	
	OFF		
	ON		

## Gaming



1st Level Menu	2nd/3rd Level Menu		Description				
Game Mode	Premium Color		· Use Up or Down Button to select and preview mode effects.  · Press the OK Button to confirm and apply your mode type.				
	User						
	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.  · Activating A.I. Vision will affect: <table><tr><th>Affected Function</th><th>Function Status</th></tr><tr><td>» Night Vision</td><td>Unable to select</td></tr></table>	Affected Function	Function Status	» Night Vision	Unable to select
	Affected Function	Function Status					
» Night Vision	Unable to select						
ON							
Refresh Rate	Location	Left Top	· 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 System's preset Screen Refresh Rate.				
		Right Top					
		Left Bottom					
		Right Bottom					
		Customize					
	OFF						
	ON						
Alarm Clock	Location	Left Top	· After setting the time, press the OK Button to activate the timer.  · Users have to manually restore their preset Alarm Clock after any AC power loss and reconnection.				
		Right Top					
		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: <table><tr><th>Affected Function</th><th>Function Status</th></tr><tr><td>» Screen Size 1:1</td><td>Set to Auto</td></tr><tr><td>» PIP/PBP</td><td rowspan="2">Set to OFF</td></tr><tr><td>» Optix Scope</td></tr></table>	Affected Function	Function Status	» Screen Size 1:1	Set to Auto	» PIP/PBP	Set to OFF
Affected Function	Function Status							
» Screen Size 1:1	Set to Auto							
» PIP/PBP	Set to OFF							
» Optix Scope								

## Professional

1st Level Menu	2nd Level Menu	Description						
Pro Mode	Eco	<div>· Use Up or Down Button to select and preview mode effects.</div> <div>· Press the OK Button to confirm and apply your mode type.</div> <div>· The default setting “Eco” mode meets the requirements of TÜV Rheinland’s “Low Blue Light” standard.</div> <div>· Activating sRGB, Adobe RGB, and Display P3 will affect:<table><tr><th>Affected Function</th><th>Function Status</th></tr><tr><td>» Color Temperature</td><td rowspan="3">Unable to select</td></tr><tr><td>» Low Blue Light</td></tr><tr><td>» Contrast</td></tr></table></div>	Affected Function	Function Status	» Color Temperature	Unable to select	» Low Blue Light	» Contrast
	Affected Function		Function Status					
	» Color Temperature		Unable to select					
	» Low Blue Light							
	» Contrast							
	User							
	Anti-Blue							
	Movie							
Office								
sRGB								
Adobe RGB								
Display P3								
Low Blue Light	OFF	<div>· Low Blue Light protects your eyes against blue light. When enabled, Low Blue Light adjusts the screen color temperature to a more yellow glow.</div> <div>· When Pro Mode is set to Anti-Blue, it is mandatory to enable Low Blue Light.</div> <div>· This monitor is a Low Blue Light monitor which will decrease the blue light emitted without adjusting the OSD settings.</div>						
	ON							
Image Enhancement	OFF	<div>· Image Enhancement enhances image edges to improve their acutance.</div>						
	Weak							
	Medium							
	Strong							
	Strongest							

## 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								
	Warm		· Press the OK Button to confirm and apply your mode type.						
	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								
	16:9		· Activating Screen Size will affect: <table><tr><th>Affected Function</th><th>Function Status</th></tr><tr><td>» Adaptive-Sync</td><td rowspan="3">Set to OFF</td></tr><tr><td>» Optix Scope</td></tr><tr><td>» PIP/PBP</td></tr></table>	Affected Function	Function Status	» Adaptive-Sync	Set to OFF	» Optix Scope	» PIP/PBP
	Affected Function	Function Status							
	» Adaptive-Sync	Set to OFF							
	» Optix Scope								
» PIP/PBP									
16:10									
1:1									
DisplayHDR	True Black 400		· Users can set the DisplayHDR to True Black 400 or Peak 1000 nits.						
	Peak 1000 nits								

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

## 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: • While “Auto Scan” is set to “OFF” with the monitor at power saving mode; • While “No Signal” message box is shown on the monitor.
	ON	

## PIP/PBP



1st Level Menu	2nd/3rd Level Menu		Description											
OFF														
PIP	Source	HDMI™ 1	<div>· 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.</div> <div>· PBP (Picture by Picture) is a similar feature that displays two input sources side-by-side on the screen.</div> <div>· Display Switch allows users to switch between primary and secondary input sources.</div> <div>· If there is only one signal input, the Display Switch and Audio Switch will be grayed out.</div> <div>· Users can adjust the ratio of window division by switching mode 1/ 2.</div> <div>· Activating PIP/PBP will affect:<table><thead><tr><th>Affected Function</th><th>Function Status</th></tr></thead><tbody><tr><td>» Adaptive-Sync</td><td rowspan="3">Set to OFF</td></tr><tr><td>» Optix Scope</td></tr><tr><td>» HDMI™ CEC</td></tr><tr><td>» PIP: Screen Size 1:1</td><td rowspan="2">Set to Auto</td></tr><tr><td>» PBP: Screen Size 4:3/ 16:9/ 1:1</td></tr><tr><td>» DisplayHDR</td><td>Unable to select</td></tr></tbody></table></div>	Affected Function	Function Status	» Adaptive-Sync	Set to OFF	» Optix Scope	» HDMI™ CEC	» PIP: Screen Size 1:1	Set to Auto	» PBP: Screen Size 4:3/ 16:9/ 1:1	» DisplayHDR	Unable to select
		Affected Function		Function Status										
		» Adaptive-Sync		Set to OFF										
		» Optix Scope												
	» HDMI™ CEC													
	» PIP: Screen Size 1:1	Set to Auto												
	» PBP: Screen Size 4:3/ 16:9/ 1:1													
	» DisplayHDR	Unable to select												
	HDMI™ 2													
	DP													
Type C														
PIP Size	Small													
	Medium													
	Large													
Location	Left Top													
	Right Top													
	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													

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		<ul style="list-style-type: none"> <li>· Users have to press the OK Button to confirm and apply the Language setting.</li> <li>· 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.</li> </ul>
	English	
	Français	
	Deutsch	
	Italiano	
	Español	
	■■■	
	Русский	
	Português	
	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.
RGB LED	OFF	· Users can adjust RGB LED to ON or OFF.
	MSI – Mystic Light	
	RGB Brightness	

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™ CEC	OFF	<ul style="list-style-type: none"> <li>· HDMI™ CEC (Consumer Electronics Control) supports Sony PlayStation®, Nintendo® Switch™, Xbox Series X S consoles and various audio-visual devices that are CEC-capable.</li> <li>· If HDMI™ CEC is set to ON: <ul style="list-style-type: none"> <li>• The monitor will automatically power on when the CEC device is turned on.</li> <li>• The CEC device will enter power saving mode when the monitor is turned off.</li> <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> </li> </ul>
	ON	
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 the original OSD Default in any mode.
	NO	

## MSI OLED Care

1st Level Menu	2nd/3rd Level Menu	Description
Pixel Shift	Slow	<ul style="list-style-type: none"> <li>Pixel Shift moves the pixels of your screen at regular intervals to reduce the possibility of screen burn-in or image retention.</li> </ul>
	Normal	
	Fast	
Panel Protect		<ul style="list-style-type: none"> <li>To maintain panel image quality, panel protect (short time) function will automatically activate when monitoring over 4 hours.</li> <li>This protection function may take several minutes to complete.</li> <li>The power indicator will blink orange color until the process is done.</li> <li>During process execution, please do not unplug the power cord from the monitor.</li> <li>During the process of executing, press the power button again to cancel this function.</li> </ul>

1st Level Menu	2nd/3rd Level Menu		Description
Protect Notice	Auto		<ul style="list-style-type: none"><li>· When set to Auto, Protect Notice will pop up when the panel exceeds 4 hours of cumulative usage.</li><li>· When set to Usage 16 hrs, Protect Notice will pop up when the panel exceeds 16 hours of cumulative usage.</li><li>· When Panel Protect is interrupted, Protect Notice will pop up upon the next power-up.</li></ul>
	Usage 16 hrs		
Static Screen Detection	OFF		<ul style="list-style-type: none"><li>· If Static Screen Detection is set to ON:<ul style="list-style-type: none"><li>• When detecting static visuals over long periods, the monitor reduces brightness to prevent screen burn-in.</li><li>• Once moving visuals, the monitor restores its previous brightness setting.</li></ul></li></ul>
	ON		
	Starting in	50 Sec	· Starting in detects the time a static image remains on the screen.
		100 Sec	
	Time required	120 Sec	<ul style="list-style-type: none"><li>· Time required specifies the time for brightness reduction after detecting a static image for 50/100 seconds.</li><li>· The brightness reduction level depends on the setting of the Reducing Level.</li></ul>
		240 Sec	
	Reducing Level	1-7	<ul style="list-style-type: none"><li>· Users can select a level for brightness reduction.</li><li>· Reducing effect depends on Brightness/DisplayHDR setting.</li></ul>

Multi Logo Detection	OFF		· This function helps prevent image image-sticking phenomenon. When set to ON, brightness reduction of multi-logo areas will kick in if logos are detected.
	ON		
	Reducing Level	1-2	· Users can select a level for brightness reduction.  • 1 : 10% reduction  • 2 : 20% reduction  · Reducing effect depends on Brightness/ DisplayHDR setting.
Taskbar Detection	OFF		· This function helps prevent image image-sticking phenomenon. When set to ON, brightness reduction of taskbar areas will kick in if taskbars are detected.
	ON		
	Reducing Level	1-3	· Users can select a level for brightness reduction.  • 1: 10% reduction  • 2: 15% reduction  • 3: 20% reduction  · Reducing effect depends on Brightness/ DisplayHDR setting.

1st Level Menu	2nd/3rd Level Menu		Description
Boundary Detection	OFF		· This function helps prevent image 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		
	Reducing Level	1-3	· Users can select a level for brightness reduction.  • 1 : 10% reduction  • 2 : 15% reduction  • 3 : 20% reduction  · Reducing effect depends on Brightness/DisplayHDR setting.
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 271QRX QD-OLED	MPG 321URX QD-OLED
Size	26.5 inch	31.5 inch
Curvature	Flat	
Panel Type	QD-OLED	
Resolution	2560×1440 (WQHD)	3840×2160 (UHD)
Aspect Ratio	16:9	
Brightness	<ul style="list-style-type: none"> <li>· Typical SDR: 250 nits</li> <li>· Peak HDR: 1000 nits</li> </ul>	
Contrast Ratio	1500000:1	
Refresh Rate	360Hz	240Hz
Response Time	0.03ms (GTG)	
I/O	<ul style="list-style-type: none"> <li>· Headphone Jack x1</li> <li>· DisplayPort x1</li> <li>· HDMI™ Connector x2</li> <li>· USB Type-C Port x1</li> <li>· USB 2.0 Type-B Upstream Port x1</li> <li>· USB 2.0 Type-A Port x2</li> </ul>	
View Angles	178°(H) , 178°(V)	
DCI-P3*/ sRGB	99%/ 138%	
Surface Treatment	Anti-Reflection	
Display Colors	1.07B (10 bits)	
Monitor Power Options	100~240Vac, 50/60Hz, 2.7A	100~240Vac, 50/60Hz, 3.1A
Power Consumption (Typical)	Power On < 205W Standby < 0.5W Power Off < 0.3W	Power On < 270W Standby < 0.5W Power Off < 0.3W
Adjustment (Height)	0 ~ 110mm	
Adjustment (Tilt)	-5° ~ 20°	-5° ~ 15°
Adjustment (Swivel)	-30° ~ 30°	-30° ~ 30°
Adjustment (Pivot)	-90° ~ 90°	-10° ~ 10°
Kensington Lock	Yes	

Monitor		MPG 271QRX QD-OLED	MPG 321URX QD-OLED
VESA Mounting		<ul style="list-style-type: none"> <li>· Plate Type: 100 x 100 mm</li> <li>· Screw Type: M4 x 10 mm</li> <li>· Thread Diameter: 4 mm</li> <li>· Thread Pitch: 0.7 mm</li> <li>· Thread Length: 10 mm</li> </ul>	
Dimension (W x H x D)		610 x 422 x 242 mm	718 x 483 x 242 mm
Weight	Net	8.3 kg	9.6 kg
	Gross	10.9 kg	12.3 kg
Environment	Operating	<ul style="list-style-type: none"> <li>· Temperature: 0°C to 40°C</li> <li>· Humidity: 20% to 90%, non-condensing</li> <li>· Altitude: 0 ~ 5000m</li> </ul>	
	Storage	<ul style="list-style-type: none"> <li>· Temperature: -20°C to 60°C</li> <li>· Humidity: 10% to 90%, non-condensing</li> </ul>	

## Preset Display Modes

### Important

All information is subject to change without prior notice.

### MPG 271QRX QD-OLED



Standard	Resolution		Standard Mode		
			HDMI™	DP	USB-C
QHD	2560×1440	@60Hz	V	V	V
		@120Hz	V	V	V
		@240Hz	V	V	V
		@360Hz	V	V	V
Video Timing Resolution	720P		V	V	V
	1080P @60Hz		V	V	V
	1080P @120Hz		V	V	V
	2160P @30Hz		V		
	2160P @60Hz		V		
	2160P @120Hz		V		
	HDMI™ VRR for PS5		V		

Standard	Resolution		PIP Mode (Not Support HDR)		
			HDMI™	DP	USB-C
QHD	2560×1440	@60Hz	V	V	V
		@120Hz	V	V	V
Video Timing Resolution	720P		V	V	V
	1080P @60Hz		V	V	V
	2160P @30Hz		V	V	
	2160P @50Hz		V	V	
	2160P @60Hz		V	V	

Standard	Resolution		PBP Mode 1 (Not Support HDR)		
			HDMI™	DP	USB-C
Video Timing Resolution	720P		V	V	V
Used for PBP Full Screen	1920×1440	@60Hz	V	V	V
	640×1440	@60Hz	V	V	V

Standard	Resolution		PBP Mode 2/ Customize (Not Support HDR)		
			HDMI™	DP	USB-C
Video Timing Resolution	720P		V	V	V
Used for PBP Full Screen	1280×1440	@60Hz	V	V	V

Standard	Resolution		Screen Size 16:10 (Not Support HDR)		
			HDMI™	DP	USB-C
QHD+	2560×1600	@60Hz	V	V	V
		@120Hz	V	V	V
		@240Hz	V	V	V
		@360Hz	V	V	V

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

#### MPG 321URX QD-OLED

Standard	Resolution		Standard Mode		
			HDMI™	DP	USB-C
QHD	2560×1440	@60Hz	V	V	V
		@120Hz	V	V	V
UHD	3840×2160	@60Hz	V	V	V
		@120Hz		V	V
		@180Hz	V	V	V
		@240Hz	V	V	V
Video Timing Resolution	720P		V	V	V
	1080P @60Hz		V	V	V
	1080P @120Hz		V	V	V
	2160P @30Hz		V		
	2160P @60Hz		V		
	2160P @120Hz		V		
	HDMI™ VRR for PS5		V		

Standard	Resolution		PIP Mode (Not Support HDR)		
			HDMI™	DP	USB-C
QHD	2560×1440	@60Hz	V	V	V
		@120Hz	V	V	V
UHD	3840×2160	@60Hz	V	V	V
		@120Hz	V	V	V
Video Timing Resolution	720P		V	V	V
	1080P @60Hz		V	V	V
	1080P @120Hz		V	V	V
	2160P @30Hz		V	V	
	2160P @50Hz		V	V	
	2160P @60Hz		V	V	
	2160P @120Hz		V	V	V

Standard	Resolution		PBP Mode 1 (Not Support HDR)		
			HDMI™	DP	USB-C
Video Timing Resolution	720P		V	V	V
Used for PBP Full Screen	960×2160	@60Hz	V	V	V
	2880×2160	@60Hz	V	V	V

Standard	Resolution		PBP Mode 2/ Customize (Not Support HDR)		
			HDMI™	DP	USB-C
Video Timing Resolution	720P		V	V	V
Used for PBP Full Screen	1920×2160	@60Hz	V	V	V

Standard	Resolution		Screen Size 16:10 (Not Support HDR)		
			HDMI™	DP	USB-C
QHD+	2560×1600	@60Hz	V	V	V
		@120Hz	V	V	V
		@144Hz	V	V	V
		@240Hz	V	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 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 main 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 is 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 hazards, keep this device away from humidity and high temperatures.
- 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 chemicals 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 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 signs 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.

### **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 catalog of tests, which sets out minimum standards at various frequency ranges. The test catalog 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 product.)

### **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, under 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 under 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 the 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 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.**

901 Canada Court, City of Industry, CA 91748, USA  
(626) 913-0828 [www.msi.com](http://www.msi.com)

#### **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 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 the requirements of the Technical Regulation, approved by the Resolution of Cabinet of the 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 many 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 a 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 [gpcntdev@msi.com](mailto:gpcntdev@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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## 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.

## Documents / Resources

	<p><a href="#">MSI 271QRX MPG Series OLED Monitor</a> [pdf] User Guide</p> <p>271QRX MPG Series OLED Monitor, 271QRX, MPG Series OLED Monitor, Series OLED Monitor, OLED Monitor, Monitor</p>
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## References

- [MSI - Redirect](#)
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- [Support | MSI Global](#)
- [User Manual](#)

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