

# MAG Series LCD Monitor

MAG 274QF (3CE4) MAG 274QF X24 (3CE4)

User Guide

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#### Revision

V1.0, 2025/01

# **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**

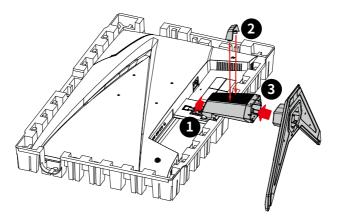
Monitor	MAG 274QF, MAG 274QF X24			
Documentation	Quick Start Guide			
Accessories	Stand			
	Stand Base			
	Power Cord			
Cables	DisplayPort Cable (Optional)			

## 🕼 Important

- Contact your place of purchase or local distributor if any of the items is damaged or missing.
- Package contents may vary by country and model.
- 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 and gently push the stand bracket towards the monitor groove until it locks in place.
- 2. Align and gently push the cable organizer towards the stand until it locks in place.
- 3. Align and gently push the base towards the stand until it locks in place.
- 4. Make sure the stand assembly is properly installed before setting the monitor upright.





- Place the monitor on a soft, protected surface to avoid scratching the display panel.
- Do not use any sharp objects on the panel.
- 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!

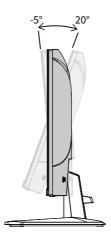


## **Adjusting the Monitor**

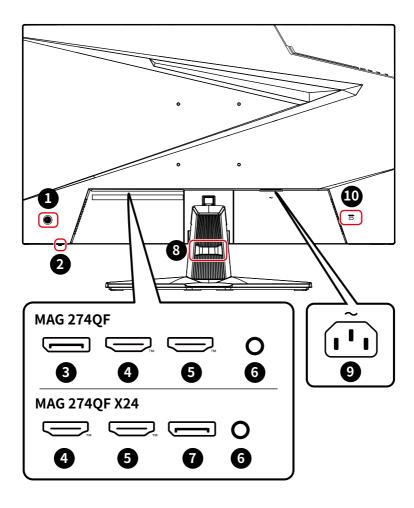
This monitor is designed to maximize your viewing comfort with its adjustment capabilities.

# Important

• Avoid touching the display panel when adjusting the monitor.



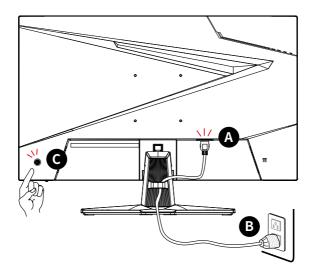
### **Monitor Overview**



1	Power Button & Navi Key
0	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.
3	DisplayPort
	Supports 2560x1440@180Hz as specified in DisplayPort 1.4a.
4	
	Supports HDMI <sup>™</sup> CEC, 2560x1440@144Hz as specified in HDMI <sup>™</sup> 2.0b.
	Important
	To ensure optimal performance and compatibility, please use only HDMI <sup>™</sup> cables certified with the official HDMI <sup>™</sup> logo when connecting this monitor. For more information, please visit <u>https://www.hdmi.org/resource/cables</u> .
5	
	Supports 2560x1440@144Hz as specified in HDMI™ 2.0b.
	Important
	To ensure optimal performance and compatibility, please use only HDMI <sup>™</sup> cables certified with the official HDMI <sup>™</sup> logo when connecting this monitor. For more information, please visit <u>https://www.hdmi.org/resource/cables</u> .
6	Headphone Jack
7	DisplayPort
	Supports 2560x1440@240Hz as specified in DisplayPort 1.4a.
8	Cable Organizer
9	Power Jack
10	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**

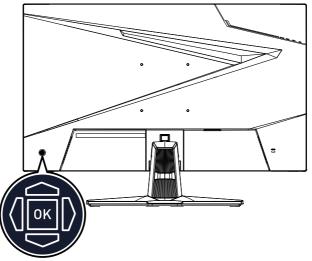
This chapter provides you with essential information on OSD Setup.

## 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

#### MAG 274QF

	m	Sî	2560x1440 60 Hz	• Pro Mode Eco	• HDR OFF	• Adaptive-Sync OFF	HDMI 1
ſ							
	<b>~</b>	Gaming		Game Mode		🗸 User	
	☆	Professional		Night Vision		FPS	
	2	Image		AI Vision		Racing	Exit
	Ð	Input Source		Response Time		RTS	
	Q	Navi Key		MPRT		RPG	Move
	ŝ	Settings		Refresh Rate			( <b>e</b> k)
				Alarm Clock			Enter
				$\bigtriangledown$			FW .005

#### MAG 274QF X24

	m	Si 🦯	2560x1440 60 Hz	Pro Mode Eco	• HDR OFF	• • Adaptive-Sync OFF	DP
ĺ.							
	<b>~</b>	Gaming		Game Mode	~	′ User	
	☆	Professional		Night Vision		FPS	
	2	Image		AI Vision		Racing	Exit
	Ð	Input Source		Response Time		RTS	
	6	PIP/PBP		MPRT		RPG	Move
	ij	Navi Key		Refresh Rate			
	ŝ	Settings		Alarm Clock			Enter
				$\bigtriangledown$			FW .001

## 🕼 Important

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

- Night Vision
- MPRT
- Low Blue Light
- HDCR
- Al Vision

- Brightness
- Contrast
- Color Temperature
- *PIP/PBP* (*MAG* 274*QF* X24)
- sRGB Mode

## Gaming

1st Level Menu	2nd/3rd Level Menu	D	escription		
Game Mode	User FPS Racing RTS RPG		<ul> <li>Use Up or Down Button to select and preview mode effects.</li> <li>Press the OK Button to confirm and apply your mode type.</li> <li>Game Mode defaults to User in both SDR and HDR modes.</li> </ul>		
Night Vision	OFF Normal Strong Strongest A.I.	•	This function optimize brightness and is reco games.		
Al Vision	OFF ON		<ul> <li>Al Vision enhances image quality by optimizing the contrast of images and background brightness.</li> <li>Activating Al Vision will affect:</li> </ul>		
			Affected Function	Function Status	
			» MPRT	Set to OFF	
			<ul><li>» HDCR</li><li>» Brightness</li><li>» Night Vision</li></ul>	Unable to select	
Response Time	Normal Fast Fastest	•	Setting to Fastest will response time and hel images when playing	p improve blurred	
MPRT	OFF ON		MPRT is available whe over 85Hz. Activating MPRT will a		
			Affected Function	Function Status	
			<ul><li>» Response Time</li><li>» Brightness</li></ul>	Unable to select	
			<ul> <li>» Adaptive-Sync</li> <li>» HDCR</li> <li>» Al Vision</li> <li>» PIP/PBP (MAG 274QF X24)</li> <li>» Screen Size</li> </ul>	Set to OFF	
1			» Screen Size	Set to Auto	

1st Level Menu	2nd/3rd Le	evel Menu	Description
Refresh Rate	Location	Left Top Right Top	Location is adjustable in OSD Menu. Press the OK Button to confirm and apply your
		Left Bottom	<ul> <li>Refresh Rate Location.</li> <li>This monitor follows and works at the</li> </ul>
		Right Bottom	Operating System's preset Screen Refresh
		Customize	Rate.
	OFF		
	ON		
Alarm Clock	Location	Left Top	After setting the time, press the OK Button to
		Right Top	activate the timer.
		Left Bottom	Users have to manually restore their preset     Alarm Clock after any AC power loss and
		Right Bottom	reconnection.
		Customize	
	OFF		
	15:00	00:01 ~ 99:59	
	30:00		
	45:00	-	
	60:00		
Smart Crosshair (MAG 274QF)	Icon	None	<ul> <li>Through AI algorithm, this function enhances the visibility of in-game crosshair.</li> <li>Users can select the color and position of the crosshair.</li> </ul>
	Color	White	7
		Red	
		Auto	
	Position		
	Reset		

1st Level Menu	2nd/3rd Le	vel Menu	Description		
Screen Assistance (MAG 274QF X24)	lcon	None	Users can adjust Screen Assis     mode.		n Assistance in any
	Color	White			
		Red			
	Position				
	Reset				
Adaptive-Sync	OFF		Adaptive-Sync prevents screen tearing.		
	ON		•	Activating Adaptive-Sy	nc will affect:
				Affected Function	Function Status
				<ul> <li>» MPRT</li> <li>» PIP/PBP (MAG 274QF X24)</li> </ul>	Set to OFF
				» Screen Size (MAG 274QF X24)	Set to Auto
HDMI™ Console Mode (MAG 274QF X24)	Console PC			The Console mode off compatibility with mo	

## Professional

1st Level Menu	2nd Level Menu	Description					
Pro Mode	Eco	Use Up or Down Button to select and preview mode					
	User	effects.					
	Anti-Blue	<ul> <li>Press the OK Button to confirm and apply your mode type.</li> </ul>					
	Movie	Pro Mode defaults to Eco for SDR mode and User for					
	Office	<ul> <li>HDR mode.</li> <li>Activating sRGB will affect:</li> </ul>					
	sRGB	Affected Function Function Status					
		» Color Temperature					
		» Low Blue Light Unable to select					
Low Blue Light	OFF	• Low Blue Light protects your eyes against blue light.					
	ON	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.					
HDCR	OFF	HDCR enhances image quality by increasing the contrast					
	ON	of images.					
		Activating HDCR will affect:					
		Affected Function         Function Status           » Brightness         Unable to select					
		» MPRT Set to OFF					
MPRT	OFF	MPRT is available when the refresh rate is over 85Hz.					
	ON	Activating MPRT will affect:					
		Affected Function Function Status					
		<ul> <li>» Response Time</li> <li>w Brightness</li> <li>Unable to select</li> </ul>					
		» Adaptive-Sync					
		» HDCR					
		» AI Vision Set to OFF					
		» PIP/PBP (MAG 274QF X24)					
		» Screen Size Set to Auto					
Image Enhancement	OFF	Image Enhancement enhances image edges to improve					
	Weak their acutance.						
	Medium	1					
	Strong	1					
	Strongest						

## Image

1st Level Menu	2nd/3rd Level M	enu	De	Description		
Brightness	0-100		<ul> <li>Properly adjust Brightness according to the surrounding lighting.</li> </ul>			
Contrast	0-100		•	Properly adjust Contrast	to relax your eyes.	
Sharpness	0-5		•	Sharpness improves cla	rity and details of images.	
Color Temperature	Cool		•	Use Up or Down Button	to select and preview	
	Normal			mode effects.	onfirm and annhusaur	
	Warm			Press the OK Button to c mode type.	oninni and apply your	
	Customization         R (0-100)           G (0-100)         B (0-100)					
			-			
Screen Size	Auto		<ul> <li>Users can adjust Screen Size in any mode, any resolution and any screen refresh rate.</li> <li>Screen size 16:10 supports Adaptive-Sync, but not VRR.</li> <li>Activating Screen Size 1:1 will affect:</li> </ul>			
	4:3					
	16:9					
	16:10 (MAG 274Q	F)				
	1:1			Affected Function	Function Status	
				» PIP/PBP	Set to OFF	
			Screen Size 1:1 refers to displaying content at its original resolution. This option is disabled when the monitor is set to its native resolution.			
					. This option is	

## Input Source

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

## PIP/PBP (MAG 274QF X24)

1st Level Menu	2nd/3rd Level Menu		Des	cription				
OFF				PIP (Picture in Picture) allows users to     simultaneously display multiple video sources				
PIP	Source HDMI™1			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.						
		DP		BP (Picture by Picture) is				
	PIP Size	Small		isplays two input sources creen.	side-by-side on the			
		Medium		isplay Switch allows user rimary and secondary inp				
		Large	· ·	there is only one signal ir				
	Location	Left Top		witch and Audio Switch w	0,			
		Right Top		ctivating PIP/PBP will affe				
		Left Bottom		Affected Function » Response Time	Function Status			
		Right Bottom		<ul> <li>HDMI<sup>™</sup> Console Mode</li> </ul>	Unable to select			
	Display Switch			» Adaptive-Sync	Set to OFF			
	Audio Switch			» HDMI™CEC				
PBP	Source 1	HDMI™1		» HDMI <sup>™</sup> Console Mode	Set to OFF & unable to select			
		HDMI™2		» MPRT				
		DP		<ul> <li>PIP: Screen Size 1:1</li> <li>PBP: Screen Size</li> </ul>	Set to Auto & unable to select			
	Source 2	HDMI™1		» PDP. Screen Size				
	HDMI™2							
		DP						
	Display Swite	ch	1					
	Audio Switch		1					

## Navi Key

1st Level Menu	2nd Level Menu	Description
Up	OFF	• All Navi Key items can be adjusted via OSD Menus.
Down	Brightness	
Left	Game Mode	
Right	Smart Crosshair (MAG 274QF)	
	Screen Assistance (MAG 274QF X24)	
	Alarm Clock	
	Input Source	
	PIP/PBP (MAG 274QF X24)	
	Refresh Rate	
	Info. On Screen	
	Night Vision	

## 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.
	Français	<ul> <li>Language is an independent setting. Users' own language setting will override the factory default. When</li> </ul>
	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.
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.

1st Level Menu	2nd Level Menu	Description
Info. On Screen	OFF	• The information of the monitor status will be shown on
	ON	the right side of the screen.
HDMI <sup>™</sup> CEC	OFF	HDMI <sup>™</sup> CEC (Consumer Electronics Control) supports
	ON	Sony PlayStation®, Nintendo® Switch™, Xbox Series X S consoles and various audio-visual devices that are CEC-capable.
		<ul> <li>If HDMI<sup>™</sup> CEC is set to ON:</li> </ul>
		<ul> <li>The monitor will automatically power on when the CEC device is turned on.</li> </ul>
		<ul> <li>The CEC device will enter power saving mode when the monitor is turned off.</li> </ul>
		<ul> <li>When Sony PlayStation<sup>®</sup>, Nintendo<sup>®</sup> Switch<sup>™</sup>, 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>
Reset	YES	Users can Reset and restore settings to original OSD
	NO	Default in any mode.

## **Specifications**

Monitor		MAG 274QF	MAG 274QF X24		
Size		27 inch			
Curvature		Flat			
Panel Type		Rapid IPS			
Resolution		2560x1440 (WQHD)			
Aspect Ratio		16:9			
SDR Brightnes	s (nits)	250			
Contrast Ratio		1000:1			
Refresh Rate		180Hz	240Hz		
Response Time	9	• 1 ms (MPRT)			
		• 0.5 ms (GtG)			
I/O		• DisplayPort x1			
		<ul> <li>HDMI<sup>™</sup> Connector x 2</li> </ul>			
		<ul> <li>Headphone Jack x1</li> </ul>			
View Angles		178°(H),178°(V)			
DCI-P3*/ sRGB		97%/ 127%	96%/ 130%		
Surface Treatm	nent	Anti-glare			
<b>Display Colors</b>		1.07B, 10bits (8bits + FRC)			
Monitor Power	Options	100-240V~, 50/60Hz 1.1A	100-240V~, 50/60Hz 1.5A		
Power Consum	ption	Power On < 48W	Power On < 57W		
(Typical)		Standby < 0.5W	Standby < 0.5W		
		Power Off < 0.3W	Power Off < 0.3W		
Adjustment (Ti	lt)	-5° ~ 20°			
Kensington Lock		Yes			
VESA Mounting		• Plate Type: 100 x 100 mm			
		• Screw Type: M4 x 10 mm			
Dimension (W	x D x H)	613.5 x 249.7 x 438.5 mm			
Waight	Net	4.70 kg			
Weight	Gross	6.55 kg			

Monitor		MAG 274QF	MAG 274QF X24		
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			

\* Based on CIE1976 test standards.

## **Preset Display Modes**



- All information is subject to change without prior notice.
- HDMI<sup>™</sup> VRR (Variable Refresh Rate) synchronizes with Adaptive-Sync (ON/ OFF). For VRR ON/OFF status, please check Adaptive-Sync.

### MAG 274QF

#### **Standard Default Mode**

Standard	Resolution		HDMI™	DP
VGA	640x480	@60Hz	V	V
		@67Hz	V	V
		@72Hz	V	V
		@75Hz	V	V
Dos-Mode	720x480	@60Hz	V	V
	720x576	@50Hz	V	V
SVGA	800x600	@56Hz	V	V
		@60Hz	V	V
		@72Hz	V	V
		@75Hz	V	V
XGA	1024x768	@60Hz	V	V
		@70Hz	V	V
		@75Hz	V	V
SXGA	1280x1024	@60Hz	V	V
		@75Hz	V	V
WXGA+	1440x900	@60Hz	V	V
WSXGA+	1680x1050	@60Hz	V	V
Full HD	1920x1080	@60Hz	V	V
QHD	2560x1440	@60Hz	V	V
		@85Hz		V
		@120Hz	V	V
		@144Hz	V	
		@165Hz		V
		@180Hz		V

Standard	Resolution		HDMI™	DP
Video Timing Resolution	480P		V	V
	576P		V	V
	720P		V	V
	1080P	@50Hz	V	V
		@60Hz	V	V
		@120Hz	V	V
	2160P	@50Hz	V	
		@60Hz	V	
HDMI <sup>™</sup> VRR	Used for PS5	VRR	V	

### Screen Size 16:10 (Not Support HDR)

Standard	Resolution		HDMI™	DP
VGA	640x480	@60Hz	V	V
		@67Hz	V	V
		@72Hz	V	V
		@75Hz	V	V
Dos-Mode	720x480	@60Hz	V	V
	720x576	@50Hz	V	V
SVGA	800x600	@56Hz	V	V
		@60Hz	V	V
		@72Hz	V	V
		@75Hz	V	V
XGA	1024x768	@60Hz	V	V
		@70Hz	V	V
		@75Hz	V	V
SXGA	1280x1024	@60Hz	V	V
		@75Hz	V	V
WXGA+	1440x900	@60Hz	V	V
WSXGA+	1680x1050	@60Hz	V	V
QHD+	2560x1600	@60Hz	V	V
		@85Hz	V	V
		@120Hz	V	V
		@144Hz		V

Standard	Resolution		HDMI™	DP
Video Timing Resolution	480P		V	V
	576P		V	V
	720P		V	V
	1080P @50Hz @60Hz @120Hz 2160P @50Hz		V	V
			V	V
			V	V
			V	
		@60Hz	V	

### MAG 274QF X24

### Standard Default Mode (HDMI<sup>™</sup> Console Mode OFF)

Standard	Resolution		HDMI™	DP
VGA	640x480	@60Hz	V	V
		@67Hz	V	V
		@72Hz	V	V
		@75Hz	V	V
SVGA	800x600	@56Hz	V	V
		@60Hz	V	V
		@72Hz	V	V
		@75Hz	V	V
XGA	1024x768	@60Hz	V	V
		@70Hz	V	V
		@75Hz	V	V
SXGA	1280x1024	@60Hz	V	V
		@75Hz	V	V
WXGA+	1440x900	@60Hz	V	V
WSXGA+	1680x1050	@60Hz	V	V
QHD	2560x1440	@60Hz	V	V
		@120Hz	V	V
		@144Hz	V	
		@240Hz		V

Standard	Resolution		HDMI™	DP
Video Timing Resolution	480P		V	V
	576P		V	V
	720P		V	V
	1080P @60Hz		V	
		@120Hz	V	
HDMI <sup>™</sup> VRR	Used for PS5 VRR		V	

### HDMI<sup>™</sup> Console Mode ON

Standard	Resolution		HDMI™	DP
VGA	640x480	@60Hz	V	V
		@67Hz	V	V
		@72Hz	V	V
		@75Hz	V	V
SVGA	800x600	@56Hz	V	V
		@60Hz	V	V
		@72Hz	V	V
		@75Hz	V	V
XGA	1024x768	@60Hz	V	V
		@70Hz	V	V
		@75Hz	V	V
SXGA	1280x1024	@60Hz	V	V
		@75Hz	V	V
WXGA+	1440x900	@60Hz	V	V
WSXGA+	1680x1050	@60Hz	V	V
QHD	2560x1440	@60Hz	V	V
		@120Hz	V	V
		@144Hz	V	
		@240Hz		V

Standard	Resolution		HDMI™	DP
Video Timing Resolution	480P 576P		V	V
			V	V
	720P		V	V
	1080P	@60Hz	V	
		@120Hz	V	
	2560x1080	@60Hz	V	
		@120Hz	V	
	2160P	@50Hz	V	
		@60Hz	V	
HDMI <sup>™</sup> VRR	Used for PS5 VRR		V	

### PIP Mode (Not Support HDR)

Standard	Resolution		HDMI™	DP
Full HD	1920x1080	@60Hz		V
QHD	2560x1440	@60Hz	V	V
UHD	3840x2160	@60Hz		V
Video Timing Resolution	720P		V	
	1080P	@60Hz	V	
	2160P	@50Hz	V	
		@60Hz	V	

### PBP Mode (Not Support HDR)

Standard	Resolution	·	HDMI™	DP
Video Timing Resolution	720P		V	V
	1080P	@60Hz	V	V
Used for PBP Full Screen	1280x1440	@60Hz	V	V

# Troubleshooting

#### The power LED is off.

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

#### No image.

- Check if the computer graphics card is properly installed.
- Check if the computer and monitor are connected to electrical outlets and 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

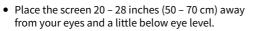
- To reduce the possibility of heat-related injuries or of overheating the device, do not place the device on a soft, unsteady surface or obstruct its air ventilators.
- Use this device only on a hard, flat and steady surface.
- To prevent the device from tipping over, secure the device to a desk, wall 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.





Low Blue Light (Software Solution) Flicker Free

www.tuv.com

- 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.

901 Canada Court, City of Industry, CA 91748, USA (626) 913-0828 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 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.
- Please visit <<u>https://us.msi.com/page/recycling</u>> for information regarding the recycling of your product in the US.

### 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.