MPG Series

LCD Monitor

MPG 272QRF X36 (3CF2)

User Guide

Contents

Revision

V1.0, 2026/01

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	MPG 272QRF X36
Documentation	Quick Start Guide
Accessories	Stand
	Stand Base with Screw(s)
	Screw(s) for Wall Mount Bracket(s)
	External Power Supply
	Power Cord
Cables	Micro USB cable (Optional)
	USB Upstream Cable (Optional) (for USB Type-B Upstream Port)
	Ultra High Speed HDMI™ Cable (Optional)
	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.

2. Align the stand bracket to the monitor groove. 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.
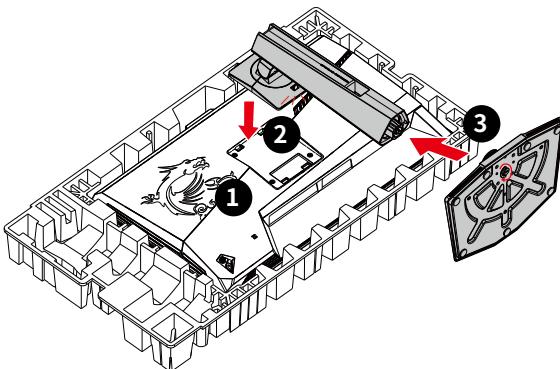
⚠️ *Important*

- *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!*
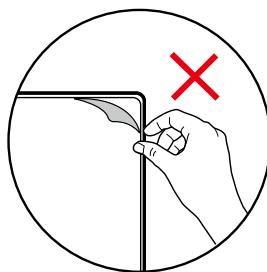
Adjusting the Monitor

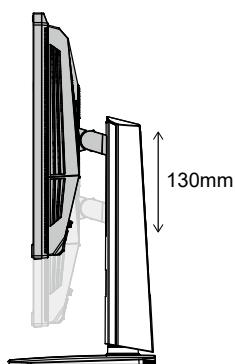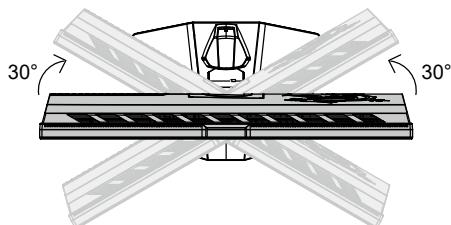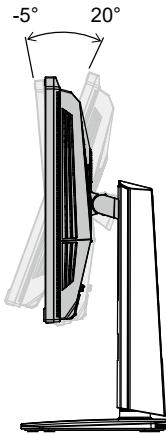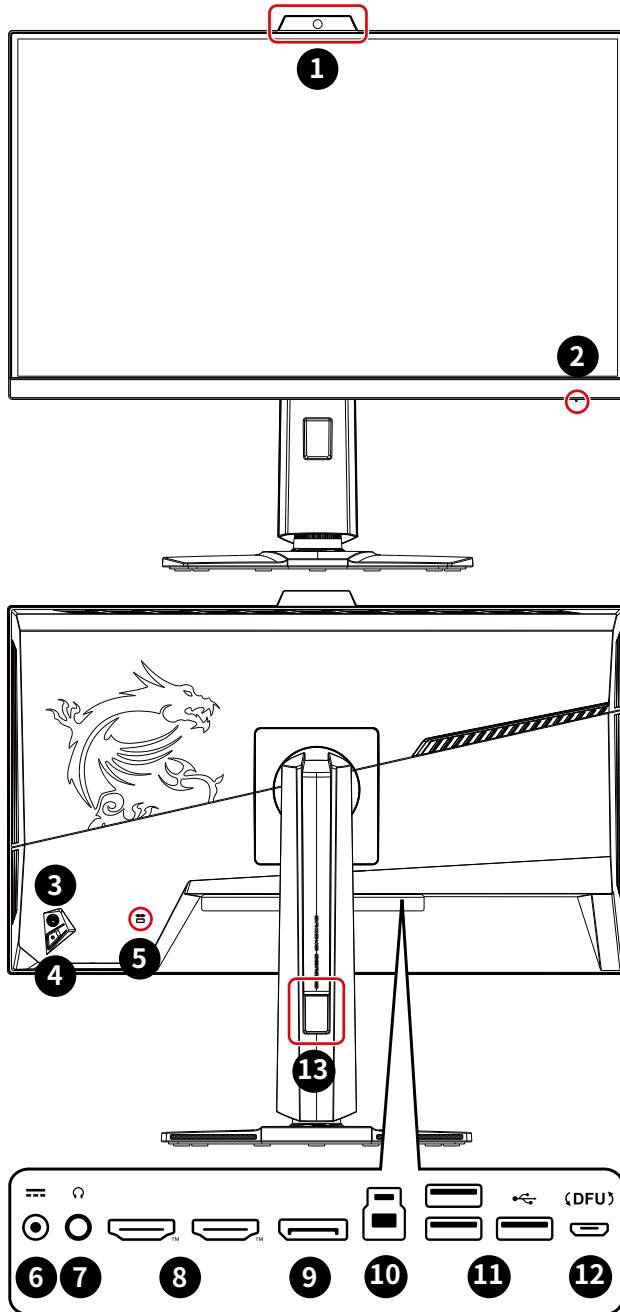This monitor is designed to maximize your viewing comfort with its adjustment capabilities.
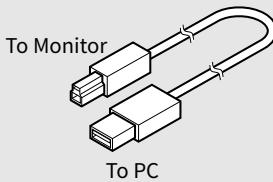
⚠ *Important*

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

Monitor Overview

1	**Light Sensor** Automatically adjusts display based on ambient light and color temperature.
2	**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	**Navi Key**
4	**Power Button**
5	**Kensington Lock**
6	**Power Jack**
7	**Headphone Jack**
8	**HDMI™ Connector** ![HDMI High-Definition Multimedia Interface] Supports 2560x1440@120Hz as specified in HDMI™ 2.1. ⚠️ *Important* *To ensure optimal performance and compatibility, please use only HDMI™ cables certified with the official HDMI™ logo when connecting this monitor. For more information, please visit https://www.hdmi.org/resource/cables.*
9	**DisplayPort** Supports 2560x1440@360Hz as specified in DisplayPort 1.4a.
10	**USB 5Gbps 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.* To Monitor / To PC
11	**USB 5Gbps Type-A Port**
12	**USB 2.0 Micro-B Port (DFU port for firmware update only)** A dedicated USB port on the monitor used for Device Firmware Updates.
13	**Cable Routing Hole**

Connecting the Monitor to PC

1. Turn off your computer.
2. Connect the video cable from the monitor to your computer.
3. Assemble the external power supply & power cord. (Figure A)
4. Connect the external power supply to the monitor power jack. (Figure B)
5. Plug the power cord into the electrical outlet. (Figure C)
6. Turn on the monitor. (Figure D)
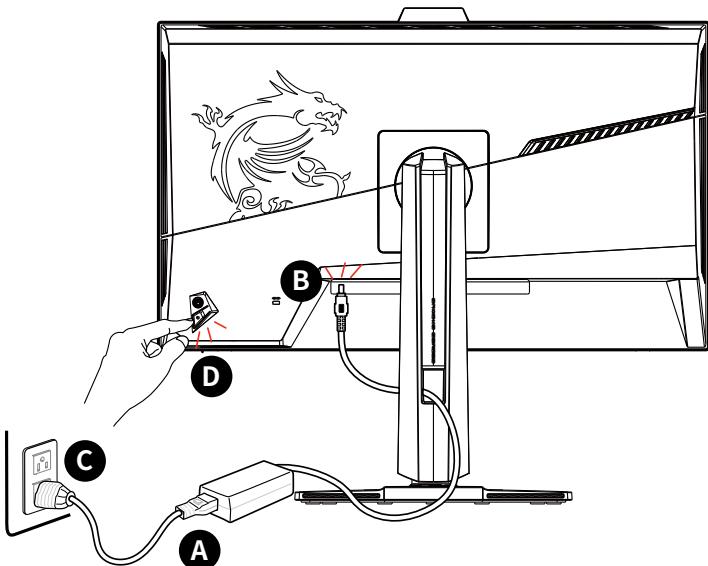
OSD Setup

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.
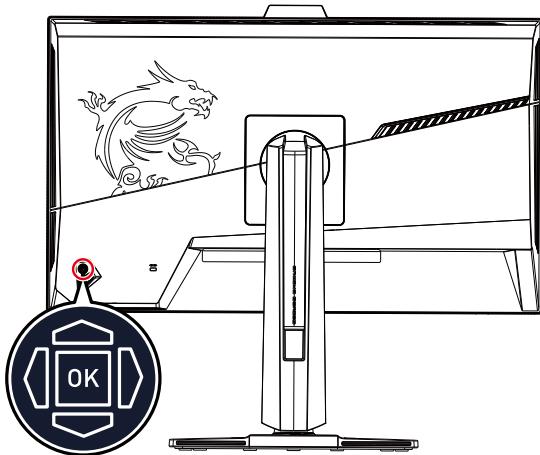
Up/Down/Left/Right:

- 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.

9

OSD Menus

⚠️ Important

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

- *SDR Color Space*
- *Peak white (nits)*
- *Gamma*

- *sRGB*
- *Native*

G-SYNC® Processor

Feature	Available Settings		Description
G-SYNC Pulsar G-SYNC ULMB2	OFF		• When G-SYNC Pulsar is not supported, this field is grayed out. • G-SYNC Pulsar works only with DP input, G-SYNC ON, ≥240Hz refresh rate, and an NVIDIA GPU.
	ON		
	Pulsar Low FPS	75-120	
			<table><tr><th>Signal/ Input</th><th>OSD Display & Status</th></tr><tr><td>» Pulsar + ULMB2</td><td>G-SYNC Pulsar (Enabled)</td></tr><tr><td>» ULMB2 only</td><td>G-SYNC ULMB2 (Enabled)</td></tr><tr><td>» None</td><td>G-SYNC ULMB2 (Unable to select)</td></tr></table>
Response Time	Native		• Response Time is grayed out when G-SYNC ULMB2 is enabled. • OD Strength shows current mode value.
	Weak		
	Normal		
	Strong		
	Stronger		
	Extreme		
	OD Strength	0-400	
Ambient Adaptive Luminance	OFF		• Ambient Adaptive Luminance adjusts brightness based on ambient light and mode.
	ON		
Ambient Adaptive Color	OFF		• Ambient Adaptive Color adjusts brightness based on ambient light and mode. • Activating Ambient Adaptive Color will affect:
	ON		
			<table><tr><th>Affected Function</th><th>Function Status</th></tr><tr><td>» Low Blue Light » Color Temperature</td><td>Unable to select</td></tr></table>

Gaming Features

Feature	Available Settings		Description
Game Assistant	OFF		• Activating Game Assistant will affect:
	ON		
	Icon	1/2/3/4/5/6/7/8	<table><tr><th>Affected Function</th><th>Function Status</th></tr><tr><td>» Refresh Rate</td><td>Set to OFF</td></tr></table>
	Icon Colors	White	
		Red	

Feature	Available Settings		Description
Refresh Rate	OFF		• Location is adjustable in OSD Menu. Press the OK Button to confirm and apply your Refresh Rate Location.
	ON		• This monitor follows and works at the Operating System's preset Screen Refresh Rate.
	Show On	Left Top	• Activating Refresh Rate will affect:
		Right Top	
		Left Bottom	
		Right Bottom	
		Customize	
Screen Size	27"	Auto	• Users can adjust Screen Size in any mode, any resolution and any screen refresh rate.
		Full Screen (16:9)	• When HDMI™ is enabled, the Screen Size will automatically switch from 25" to 27".
		Full Screen (Forced)	
	25"	960p (4:3)	
		1080p (16:9)	
		1332p (16:9)	
SDR Color Space	sRGB		• SDR Color Space adjusts brightness based on ambient light and mode.
	Wide Color Gamut		

Within the Refresh Rate description cell:

Affected Function	Function Status
» Game Assistant	Set to OFF

Mode

Mode	
» Eco (default)	» NVIDIA Esports
» User	» sRGB
» Standard	» Native

• Use Up or Down Button to select mode type.
• Press the OK Button to confirm and apply your mode type.

• Activating sRGB and Native will affect:

Affected Function	Function Status
» Peak HDR value	Unable to select
» Contrast	
» Color Temperature	
» Dark Boost	
» Low Blue Light	
» Esports Vibrance	
» Six-Axis Color	
» Gamma	
» Ambient Adaptive Luminance	
» Ambient Adaptive Color	

• Activating both Eco and Ultra Low Power mode will affect:

Affected Function	Function Status
» RGB LED	Unable to select
» Audio	

Feature	Available Settings	Description
Peak white (nits)	G-SYNC Pulsar OFF	• Peak White will be grayed out when HDR or HDCR are enabled.
	G-SYNC Pulsar ON	• Peak White sets the maximum brightness level of the display. Available range depends on the preset and G-SYNC Pulsar status.
Peak HDR value	400	• The maximum brightness level the display can reach when showing HDR (High Dynamic Range) content.
	500	
Contrast	50-150	• Properly adjust Contrast to relax your eyes.
Color Temperature	4000K	• This feature adjusts the overall color tone of the display.
	5000K	• Users can fine-tune Color Temperature in Customize mode for precise color calibration.
	6500K	
	7500K	
	8200K	
	9300K	
	10000K	
	Customize	
	R (0-150)	
	G (0-150)	
	B (0-150)	
Dark Boost	OFF	• This function optimizes background brightness and is recommended for FPS games.
	Level 1	
	Level 2	
	Level 3	
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	• Activating Low Blue Light will affect:

Affected Function	Function Status
» Color Temperature: 4000K, Customize	Set to OFF & unable to select

Feature	Available Settings	Description
Esports Vibrance	0-200	• Esports Vibrance boosts color intensity for better visibility in games.
Six-Axis Color	R (0-100)	• This feature allows users to independently adjust the intensity and saturation of six primary and secondary colors.
	G (0-100)	
	B (0-100)	
	C (0-100)	
	M (0-100)	
	Y (0-100)	
Gamma	1.8	• This feature adjusts the midtone brightness of the display without affecting shadows and highlights.
	2.0	• A higher gamma darkens midtones, while a lower gamma brightens them.
	2.2	
	2.4	
	2.6	

Input Source

Feature	Available Settings		Description
DP			• Users can choose their preferred input source.
HDMI™ 1			• Activating HDMI™ 1, 2 will affect:
HDMI™ 2			
				Affected Function	Function Status	
				» Screen Size 25"	Unable to select	
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.

General

Feature	Available Settings		Description
Language	繁體中文		• Users have to press the OK Button to confirm and apply the Language setting.
	English		• 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.
	Français		
	Deutsch		
	Italiano		
	Español		
	한국어		
	日本語		
	Русский		
	Português		
	简体中文		
	Bahasa Indonesia		
	Türkçe		
	(More languages coming soon)		
Power LED	OFF		• Users can toggle the Power LED ON/OFF.
	ON		
RGB LED	OFF		• Users can turn the RGB LED ON or OFF.
	ON		
Audio	Volume	0-28	• Users can adjust Audio Volume in any mode.
	Mute	ON	
		OFF	

Feature	Available Settings		Description
OSD Transparency	0-5		• Users can adjust OSD Transparency in any mode.
OSD Time Out	5~30s		• Users can adjust OSD Time Out in any mode.
Ultra Low Power	OFF		• This setting reduces power consumption for more energy-efficient operation.
	ON		
Firmware Update Mode	OFF		• Firmware Update Mode allows updating the monitor's firmware to the latest version.
	ON		
Navi Key	Up	Peak white (nits)	• All Navi Key items are display-only in the Main Menu.
	Down	Audio	
	Left	Mode	
	Right	Input Source	
Info. On Screen	OFF		• The information of the monitor status will be shown in the middle of the screen.
	ON		
Reset All	Yes		• Users can Reset and restore settings to original OSD Default in any mode.
	No		

Specifications*

Monitor	MPG 272QRF X36
Size	27 inch
Curvature	Flat
Panel Type	Rapid IPS
Resolution	2560 x 1440 (WQHD)
Aspect Ratio	16:9
Brightness	• Typical SDR: 400 nits • Peak HDR: 500 nits
Contrast Ratio	1000:1
Refresh Rate	360 Hz
Response Time	GtG: 0.5 ms (Min.)
I/O	• 1 x Headphone Jack • 2 x HDMI™ Connector • 1 x DisplayPort • 1 x USB 5Gbps Type-B Upstream Port • 3 x USB 5Gbps Type-A Port • 1 x USB 2.0 Micro-B Port (for firmware update only)
View Angles	178°(H), 178°(V)
DCI-P3**/ sRGB	90%/ 119%
Surface Treatment	Anti-glare
Display Colors	1.07B, 10 bits (8 bits + FRC)
Monitor Power Options	20 V ⎓ 6.0 A
External Power Supply***	120 W, 20 V
Power Input	100~240 V, 50~60 Hz
Power Output	20 V ⎓ 6.0 A
Adjustment (Height)	0 ~ 130 mm
Adjustment (Tilt)	-5° ~ 20°
Adjustment (Swivel)	-30° ~ 30°
Adjustment (Pivot)	-90° ~ 90°
Kensington Lock	Yes

Monitor	MPG 272QRF X36
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)	614 x 228 x 422 mm
Weight	Net	6.4 kg
	Gross	9.9 kg
Operating Environment	• Temperature: 0°C to 40°C
	• Humidity: 20% to 90%, non-condensing
	• Altitude: 0 ~ 5000m
Storage Environment	• Temperature: -20°C to 60°C
	• Humidity: 10% to 90%, non-condensing

* Some technical specifications of the device may be subject to change by the manufacturer. Please verify the specifications with the seller or the manufacturer's representative.

** Based on CIE1976 test standards.

*** The type of power adapter provided may differ by region and is subject to change by the manufacturer without notice.

Preset Display Modes

⚠ Important

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

2K Timing Table

Standard	Resolution		HDMI™	DP
VGA	640x480	@60Hz	V	V
Dos-Mode	720x480	@60Hz	V	V
SVGA	800x600	@60Hz	V	V
Full HD	1920x1080	@120Hz		V
		@240Hz		V
		@360Hz		V
QHD	2560x1440	@60Hz	V	V
		@120Hz	V	V
		@240Hz		V
		@360Hz		V
Video Timing Resolution	480P		V	
	576P		V	
	720P		V	
	1080P	@50Hz	V	
		@60Hz	V	
		@120Hz	V	
	2160P	@50Hz	V	
		@60Hz	V	
		@120Hz	V	
27" mode	2368x1332	@120Hz		V
		@240Hz		V
		@360Hz		V

25" 960p Timing Table

Standard	Resolution		HDMI™	DP
25" 960p	1280x960	@60Hz		V
		@120Hz		V
		@240Hz		V
		@360Hz		V

25" 1080p Timing Table

Standard	Resolution		HDMI™	DP
Full HD	1920x1080	@60Hz		V
		@120Hz		V
		@240Hz		V
		@360Hz		V

25" 1332p Timing Table

Standard	Resolution		HDMI™	DP
25" 1332p	2368x1332	@60Hz		V
		@120Hz		V
		@240Hz		V
		@360Hz		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.

- 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 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 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

European Union: This symbol on the product indicates that this product cannot be discarded as municipal waste. Instead, it is your responsibility to dispose of your waste electrical and electronic equipment by handing it over to a designated collection point for recycling. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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 <https://csr.msi.com/global/pevn_ewaste> and locate a nearby distributor for further recycling information.
- Please visit <https://us.msi.com/page/recycling> 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.

Copyright and Trademarks Notice

Copyright © Micro-Star Int' l Co., Ltd. All rights reserved. The MSI logo used is a registered trademark of Micro-Star Int' l Co., Ltd. All other marks and names mentioned may be trademarks of their respective owners. No warranty as to accuracy or completeness is expressed or implied. MSI reserves the right to make changes to this document without prior notice.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

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

Technical Support

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