

MAG Series

LCD Monitor

MAG 322UPF (3DC7)

User Guide

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Revision

V1.0, 2023/12

Getting Started

This chapter provides you with the information on hardware setup procedures. While connecting devices, be careful in holding the devices and use a grounded wrist strap to avoid static electricity.

Package Contents

Monitor	MAG 322UPF			
Documentation	Quick Start Guide			
	Stand with Screw(s)			
Accessories	Stand Base with Screw(s)			
Accessuries	Screw(s) for Wall Mount Bracket(s)			
	Power Cord			
	Ultra High Speed HDMI™ Cable (Optional)			
	DisplayPort Cable (Optional)			
Cables	USB Type-C Cable (Optional)			
	USB Upstream Cable (Optional)			
	(for USB Type-B Upstream Port)			

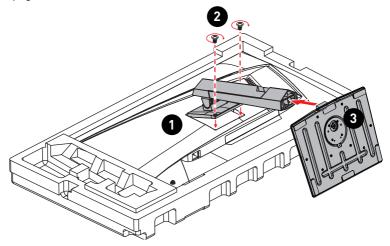


Important

- Contact your place of purchase or local distributor if any of the items is damaged or missing.
- Package contents may vary by country.
- The included power cord is exclusively for this monitor and should not be used with other products.

Installing the Monitor Stand

- 1. Leave the monitor in its protective foam packaging. Align the stand bracket to the monitor groove.
- 2. Tighten the stand bracket with screws.
- 3. Connect the base to the stand and tighten the base screw to secure the base.
- Make sure the stand assembly is properly installed before setting the monitor upright.



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!

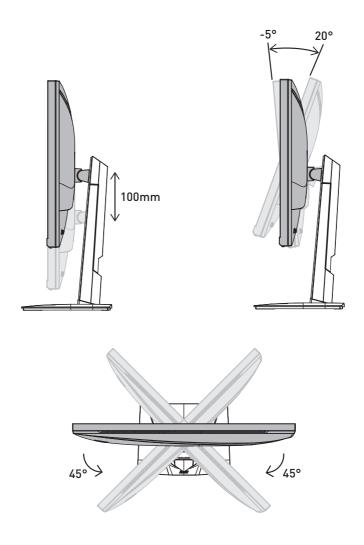


Adjusting the Monitor

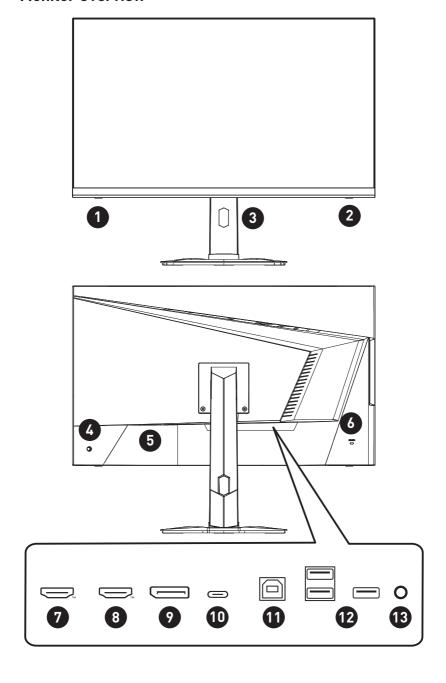
This monitor is designed to maximize your viewing comfort with its adjustment capabilities.



Avoid touching the display panel when adjusting the monitor.



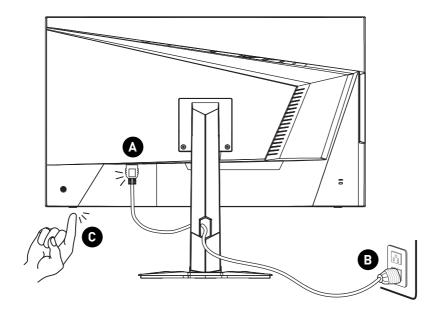
Monitor Overview



1	Macro Key			
	To activate OSD Application.			
2	Power Button & 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	Cable Routing Hole			
4	Navi Key			
5	Power Jack			
6	Kensington Lock			
7	HDMI™ Connector H⊃ MI™			
	Supports HDMI TM CEC, 3840x2160@160Hz as specified in H	IDMI™ 2.1.		
8	HDMI™ Connector H⊃ ™			
	Supports 3840x2160@160Hz as specified in HDMI TM 2.1.			
9	DisplayPort			
	Supports 3840x2160@160Hz as specified in DisplayPort 1.4	4 a.		
	USB Type-C Port	USB Type-C		
	This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/4.5A (90W) power delivery.	Power Delivery 5V / 3A		
10	1mportant	9V / 3A		
	Your USB-C signal source and cable must support	12V / 3A 15V / 3A		
	DisplayPort Alternate Mode to enable video output to the monitor.	20V / 4.5A		
1	USB 2.0 Type-B Upstream Port			
	For USB Upstream Cable. To Monitor			
	Important			
	Check the package for USB Upstream Cable and connect it to the PC and monitor. Once this cable is connected, the USB Type-A Downstream Ports on the monitor will be ready for use.	To PC		
12	USB 2.0 Type-A Port			
13	Headphone Jack			

Connecting the Monitor to PC

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



OSD Setup

This chapter provides you with essential information on OSD Setup.

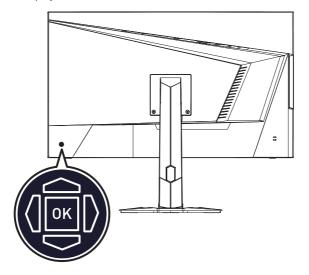


Important

All information is subject to change without prior notice.

Navi Key

The monitor comes with a Navi Key, a multi-directional control that helps navigate the On-Screen Display (OSD) menu.



Up/ Down/ Left/ Right:

- selecting function menus and items
- adjusting function values
- entering into/exiting from function menus

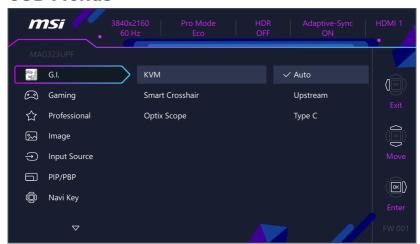
Press (OK):

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

Hot Key

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

OSD Menus





! Important

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

- Night Vision
- MPRT Sync
- Low Blue Light
- HDCR
- Brightness

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

G.I.

1st Level Menu	2nd/3rd Level Menu		Description	
KVM	Auto Upstream		between USB input so mice or other USB de	
	Type C		Users can also design Type-C as the only US	nate Upstream port or USB SB signal source.
Smart Crosshair	Icon	None	the visibility of in-gan	, this function enhances ne crosshair. color and position of the
	Color	White		
		Red		
		Auto		
	Position			
	Reset			
Optix Scope	Scope Size	Small		zoom in when Optix Scope
		Medium	is enabled, user can adjust the details thro the "Scope Size" and "Scope Ratio" setting	
		Large	Smart Crosshair and enabled at the same	
	Scope	x1.5	Activating Optix Scope	
	Ratio	x2		Function Status
		х4	» MPRT Sync	
	OFF ON		» Adaptive-Sync	Set to OFF
			» PIP/PBP	
			» Screen Size 1:1	Set to Auto

Gaming

1st Level Menu	2nd/3rd Le	vel Menu	Description	
Game Mode	User	Use Up or Down Button to select and		tton to select and preview
	FPS		mode effects.	a to confirm and apply your
	Racing		Press the OK Button to confirm and apply your mode type.	
	RTS			
	RPG			
Night Vision	OFF			zes background brightness
	Normal		and is recommended for FPS games.	
	Strong			
	Strongest			
	A.I.			
Response Time	Normal		Setting to Fastest w	
	Fast		response time and help improve blurred images when playing very fast games.	
	Fastest			
MPRT Sync	OFF			hen the refresh rate is over
	ON		85 Hz. Activating MPRT Syr	nc will affect:
			Affected Function	Function Status
			» Brightness	Unable to select
			» Response Time » HDCR	
			» PIP/PBP	Set to OFF
			» Optix Scope	
			» Screen Size 1:1	Set to Auto
Refresh Rate	Location	Left Top	Location is adjustable in OSD Menu. Press th	
		Right Top	OK Button to confire Rate Location.	m and apply your Refresh
		Left Bottom	This monitor follows	s and works at the Operating
		Right Bottom	System's preset Screen Refresh Rate.	
		Customize		
	OFF		1	
	ON		1	

1st Level Menu	2nd/3rd Level Menu		Description	
Alarm Clock	Location	Left Top	After setting the time, press the OK Button to	, press the OK Button to
		Right Top	activate the timer.Users have to manua	Ily resters their preset
		Left Bottom	Alarm Clock after any	
		Right Bottom	reconnection.	
		Customize		
	OFF			
	15:00	00:01 ~ 99:59		
	30:00			
	45:00			
	60:00			
Adaptive-Sync	OFF		Adaptive-Sync prever	nts screen tearing.
	ON		When Adaptive-Sync mandatory to enable	
			Activating Adaptive-S	ync will affect:
			Affected Function	Function Status
			» PIP/PBP	Set to OFF
			» Optix Scope	
			» Screen Size 1:1	Set to Auto

^{*} HDMITM VRR (Variable Refresh Rate) synchronizes with **Adaptive-Sync (ON/ OFF)** and is disabled when **Screen Size 16:10** is set to ON.

Professional

1st Level Menu	2nd Level Menu	Description
Pro Mode Low Blue Light	Eco User Anti-Blue Movie Office sRGB OFF	Use Up or Down Button to select and preview mode effects. Press the OK Button to confirm and apply your mode type. The default setting "Eco" mode meets the requirements of TÜV Rheinland's "Low Blue Light" standard and Eyesafe certification. Low Blue Light protects your eyes against blue light. When enabled, Low Blue Light adjusts the screen color temperature to a more yellow glow. When Pro Mode is set to Anti-Blue, it is mandatory to enable Low Blue Light. This monitor is a Low Blue Light backlight monitor, it would decrease the blue light emitted without adjusting OSD function.
HDCR	OFF ON	HDCR enhances image quality by increasing the contrast of images. Activating HDCR will affect: Affected Function Function Status Brightness Unable to select MPRT Sync Set to OFF
MPRT Sync	OFF ON	MPRT is available when the refresh rate is over 85 Hz. Activating MPRT Sync will affect: Affected Function Function Status
		 » Brightness » Response Time » HDCR » PIP/PBP » Optix Scope » Screen Size 1:1 Set to Auto
Image Enhancement	OFF Weak Medium Strong Strongest	Image Enhancement enhances image edges to improve their acutance.

Image

1st Level Menu	2nd/3rd Level Menu		Description			
Brightness	0-100		Properly adjust Brighting. surrounding lighting.			
Contrast	0-100		Properly adjust Cont	rast to relax your eyes.		
Sharpness	0-5		Sharpness improves images.	clarity and details of		
Color Temperature	Cool			on to select and preview		
	Normal		mode effects.	ha a sa Cara a sa da sa da sa da sa sa		
	Warm		mode type.	to confirm and apply your		
	Customization	R (0-100)	Users can adjust Color Temperature in			
		G (0-100)	Customization mode.			
		B (0-100)				
Screen Size	Auto		Activating Screen Size 1:1 will affect:			
	4:3		Affected Function	Function Status		
	16:9		» MPRT Sync			
	16:10		» Adaptive-Sync Set to OFF	Set to OFF		
	1:1		1:1		» PIP/PBP » Optix Scope	
Local Dimming	OFF		This setting helps enhance the overall pict			
	ON			s by dimming backlight contrast ratio in dark		
			Enabling Local Dimm of mini OSD, such as Rate, Alarm Clock, S	Info. On Screen, Refresh		

Input Source

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

PIP/PBP

1st Level Menu	2nd/3rd Level Menu		Description	
0FF			PIP (Picture in Picture in P	-,
PIP	Source	HDMI™1	DMI™1 simultaneously display multiple video source on one screen. One program is displayed on t	
		HDMI™2		ne time as one or more lisplayed in inset windows.
		DP	PBP (Picture by Picture)	1 ,
		Type C	that displays two inpu	it sources side-by-side on
	PIP Size	Small	the screen. • Display Switch allows	s users to switch between
		Medium	primary and seconda	
		Large	If there is only one sign Switch and Audio Swi	gnal input, the Display tch will be grayed out.
	Location	Left Top		ratio of window division by
		Right Top	switching mode 1/2/	3.
		Left Bottom	Activating PIP/PBP w	ill affect:
		Right Bottom	Affected Function	Function Status
		Customize	» Response Time » HDMI™ 2.1	Unable to select
	Display Swit	ch	» MPRT Sync	Set to OFF and unable
	Audio Switch	1	» HDMI™ CEC	to select
PBP	Mode 1		» Adaptive-Sync	Set to OFF
	Mode 2		» Optix Scope » PIP: Screen Size	
	Mode 3		16:10/ 1:1	Set to Auto and unable
	Source 1	HDMI™1	» PBP: Screen Size 4:3/ 16:9/ 16:10/ 1:1	to select
		HDMI™2	4:3/ 16:7/ 16:10/ 1:1	
		DP		
		Type C		
	Source 2	HDMI™1		
		HDMI™2		
		DP		
		Туре С		
	Display Switch Audio Switch			

Navi Key

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

Settings

1st Level Menu	2nd Level Menu	Description
Language	繁體中文	Users have to press the OK Button to confirm and apply
	English	the Language setting. • Language is an independent setting. Users' own
	Français	language setting will override the factory. When users
	Deutsch	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	5~30	Users can adjust OSD Time Out in any mode.

1st Level Menu	2nd Level Menu	Description
Power Button	OFF	When set to OFF, users can press the power button to turn off the monitor.
	Standby	When set to Standby, users can press the power button to turn off the panel and backlight.
Info. On Screen	OFF	The information of the monitor status will be shown on
	ON	the right side of the screen.
HDMI™ 2.1	Console	To reach maximum resolution of 3840x2160 @160 Hz,
	PC	users have to set HDMI™ 2.1 to PC.
HDMI™ CEC	OFF	HDMI™ CEC (Consumer Electronics Control) supports
	ON	Sony PlayStation®, Nintendo® Switch™, Xbox Series X S consoles and various audio-visual devices that are CEC-capable.
		If HDMI™ CEC is set to 0N:
		The monitor will automatically power on when the CEC device is turned on.
		The CEC device will enter power saving mode when the monitor is turned off.
		When Sony PlayStation®, Nintendo® Switch™, or Xbox Series X S console is connected, Game Mode and Pro Mode will be automatically set to default modes and can be adjusted to users' preferred modes later.
Type C PD Charge	OFF	Type C PD Charge enables users to charge their
	ON	devices through a USB Type-C connector, which can deliver up to 90W (20V/4.5A).
Reset	YES	Users can Reset and restore settings to original OSD
	NO	Default in any mode.

Specifications

Monitor	MAG 322UPF	
Size	32 inch	
Curvature	Flat	
Panel Type	Rapid IPS	
Resolution	3840 x 2160 (UHD)	
Aspect Ratio	16:9	
Brightness	• Typical SDR: 350 nits	
brightness	• Peak HDR: 400 nits	
Contrast Ratio	1000:1	
Refresh Rate	160Hz	
Response Time	1ms (GTG)	
Response Time	1ms (MPRT)	
	HDMI™ Connector x2	
	DisplayPort x1	
1/0	USB Type-C Port x1	
1,0	• USB 2.0 Type-A Port x3	
	USB 2.0 Type-B Upstream Port x1	
	• Headphone Jack x1	
View Angles	178°(H), 178°(V)	
sRGB/ DCI-P3*	125.7%/ 95%	
Surface Treatment	Anti-glare	
Display Colors	10bits (8bits + FRC)	
Monitor Power Options	100~240Vac, 50/60Hz, 2.7A	
	Power On < 190W	
Power Consumption (Typical)	Standby < 0.5W	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Power Off < 0.3W	
Adjustment (Height)	0 ~ 100mm	
Adjustment (Tilt)	-5° ~ 20°	
Adjustment (Swivel)	-45° ~ 45°	
Kensington Lock	Yes	

Monitor		MAG 322UPF		
		• Plate Type: 100 x 100 mm		
		• Screw Type: M4 x 10 mm		
VESA Mounting	g	Thread Diameter: 4 mm		
		• Thread Pitch: 0.7 mm		
		Thread Length: 10 mm		
Dimension (W	x H x D)	727.1 x 494.9 x 233.7 mm		
Weight	Net	10.6 kg		
Weight	Gross	13.5 kg		
		• Temperature: 0°C to 40°C		
Operating		• Humidity: 20% to 90%, non-condensing		
Environment		• Altitude: 0 ~ 5000m		
	Storage	• Temperature: -20°C to 60°C		
Storage		Humidity: 10% to 90%, non-condensing		

^{*} Based on CIE1976 test standards.

Preset Display Modes



All information is subject to change without prior notice.

Chandond	Resolution		Standard Mode/ HDMI™ 2.1 PC*	
Standard			HDMI™	DP/ USB-C
Full HD	1920x1080	@60Hz	V	V
QHD	2560x1440	@60Hz	V	V
		@120Hz	V	V
		@144Hz	V	V
UHD	3840x2160	@60Hz	V	V
		@120Hz	V	V
		@144Hz	V	V
		@160Hz	V	V
Video Timing	720P	@60Hz	V	V
Resolution		@120Hz	V	V
	1080P	@60Hz	V	V
		@120Hz	V	V
	2160P	@30Hz	V	V
		@50Hz	V	V
		@60Hz	V	V
		@120Hz	V	V
	HDMI™ VRR		V	

Standard	Resolution		HDMI™ 2.1 Console*
Stallual u	Resolution		HDMI™
QHD	2560x1440	@60Hz	V
		@120Hz	V
		@144Hz	V
UHD	3840x2160	@60Hz	V
Video Timing	720P		V
Resolution	1080P	@60Hz	V
		@120Hz	V
	2160P	@30Hz	V
		@50Hz	V
		@60Hz	V
		@120Hz	V
	HDMI™ VRR		V

^{*} Users have to set HDMITM 2.1 to PC or Console.

Standard	Resolution		PIP Mode (Not Suppost HDR) HDMI TM / DP/ USB-C
Full HD	1920x1080	@60Hz	V
QHD	2560x1440	@60Hz	V
UHD	3840x2160	@60Hz	V
Video Timing			V
Resolution	1080P	@60Hz	V
	2160P	@30Hz	V
		@50Hz	V
		@60Hz	V

Standard	Resolution		PBP Mode 1 (Not Suppost HDR)	
			HDMI™/ DP	USB-C
Video Timing	720P		V	V
Resolution	1080P	@60Hz	V	V
	2160P	@30Hz	V	
		@50Hz	V	
		@60Hz	V	
Used for PBP Full Screen	960x2160	@60Hz	V	V
	2880x2160	@60Hz	V	V

Standard	Resolution		PBP Mode 2 (Not Suppost HDR)	
			HDMI™/ DP	USB-C
Video Timing	720P		V	V
Resolution	1080P	@60Hz	V	V
	2160P	@30Hz	V	
		@50Hz	V	
		@60Hz	V	
Used for PBP Full Screen	1920x2160	@60Hz	V	V

Standard	Resolution		PBP Mode 3 (Not Suppost HDR)	
			HDMI™/ DP	USB-C
FHD	1920x1080	@60Hz	V	V
QHD	2560x1440	@60Hz	V	V
UHD	3840x2160	@60Hz	V	V
Video Timing	720P		V	V
Resolution	1080P	@60Hz	V	V
	2160P	@50Hz	V	
		@60Hz	V	
	2560x1080P	@60Hz	V	V
Used for PBP Full	3840x1080	@60Hz	V	V
Screen	2560x1080	@60Hz	V	V

Standard	Resolution		Screen Size 16:10 (Not Suppost HDR)
			HDMI™/ DP/ USB-C
QHD+	2560x1600	@60Hz	V
		@120Hz	V
		@144Hz	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.
- 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, \mathbb{N}^2 139, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

Vietnam RoHS

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

Green Product Features

- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- · Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- · Extended product lifetime through easy upgrades
- Reduced solid waste production through take-back policy

Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.



- Visit the MSI website and locate a nearby distributor for further recycling information.
- Users may also reach us at gpcontdev@msi.com for information regarding proper disposal, take-back, recycling, and disassembly of MSI products.

Warning!

Overuse of screens is likely to affect eyesight.

Recommendations:

- 1. Take a 10-minute break for every 30 minutes of screen time.
- 2. Children under 2 years of age should have no screen time. For children aged 2 years and over, screen time should be limited to less than one hour per day.

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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.