

# **MAG Series**

**LCD Monitor** 

MAG 275QF (3CE2)

User Guide

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#### Revision

V1.0, 2023/05

# **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 275QF		
Documentation	Quick Start Guide		
Accessories	Stand		
	Stand Base		
	Stand Cover		
	Power Cord		
Cables	DisplayPort Cable (Optional)		

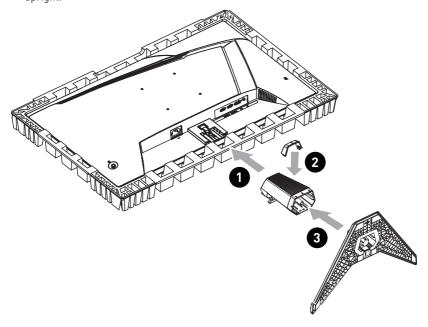


# 1 Important

- 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.



# Important

- 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**

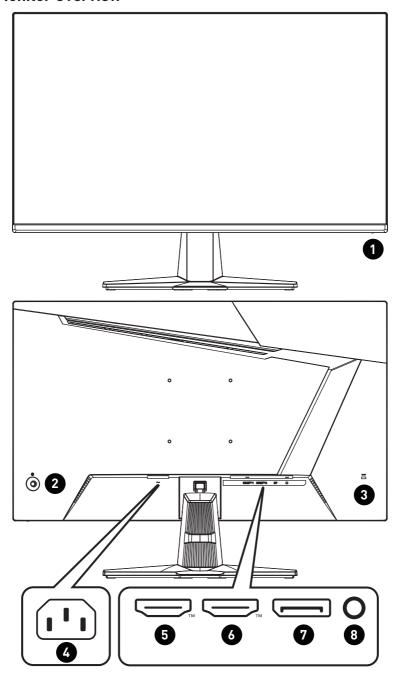
This monitor is designed to maximize your viewing comfort with its adjustment capabilities.



Avoid touching the display panel when adjusting the monitor.



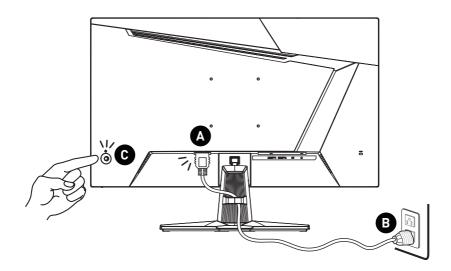
## **Monitor Overview**



1	Power LED
	Lit in white after the monitor is turned on. If no signal input, the LED will turn into orange. Lit in orange when the monitor is in Stand-by mode.
2	Power Button & Navi Key
3	Kensington Lock
4	Power Jack
5	HDMI <sup>TM</sup> Connector HDMI <sup>TM</sup> HOSEITATION MULTIMESE INTERVACE
	Supports HDMI™ CEC, 2560x1440@144Hz as specified in HDMI™ 2.0b.
6	HDMI™ Connector HDMI™
	Supports 2560x1440@144Hz as specified in HDMI™ 2.0b.
7	DisplayPort
	Supports 2560x1440@180Hz as specified in DisplayPort 1.4.
8	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.

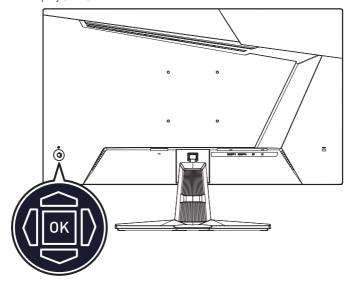


### *Important*

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

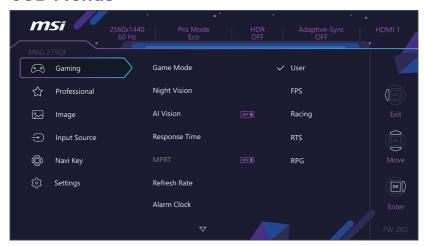
#### Press (OK):

- 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
- Low Blue Light
- HDCR

- Brightness
- Contrast
- Color Temperature
- Al Vision

# **Gaming**

1st Level Menu	2nd/3rd Level Menu	Description
Game Mode	User	Use Up or Down Button to select and preview
	FPS	mode effects.  • Press the OK Button to confirm and apply your
	Racing	mode type.
	RTS	
	RPG	
Night Vision	OFF	This function optimizes background brightness
	Normal	and is recommended for FPS games.
	Strong Strongest	
	A.I.	

1st Level Menu	2nd/3rd Lev	el Menu	Description	
Al Vision	OFF ON		Al Vision enhances in the contrast of image brightness.     Activating Al Vision w	, and the second
			Affected Function	Function Status
			» Night Vision » HDCR » Brightness	Unable to select
			» MPRT	Set to OFF
Response Time	Normal		Setting to Fastest wil	
	Fast		response time and he when playing very fas	elp improve blurred images it games.
	Fastest			
MPRT	0FF		MPRT is available wh     85 Hz.	en the refresh rate is over
	ON		Activating MPRT will	affect:
			Affected Function	Function Status
			» Brightness » Response Time	Unable to select
			» HDCR » Adaptive-Sync	Set to OFF
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 Operation.	
		Right Top		and apply your Refresh
		Left Bottom		
		Right Bottom	System's preset Scre	en Retresh Rate.
		Customize		
	OFF			
	ON			
Alarm Clock	Location	Left Top	<ul> <li>After setting the time activate the timer.</li> </ul>	, press the OK Button to
		Right Top	Users have to manua	llv restore their preset
		Left Bottom	Alarm Clock after any	
		Right Bottom	reconnection.	
		Customize		
	OFF	1		
	15:00	00:01 ~ 99:59		
	30:00			
	45:00			
	60:00			

1st Level Menu	2nd/3rd Level Menu		Description	
Smart Crosshair	Color  Position Reset	None  L+	the visibility of in-gan	, this function enhances ne crosshair. color and position of the
Adaptive-Sync	OFF		Adaptive-Sync preven	ts screen tearing.
	ON		Activating Adaptive-S	ync will affect:
			Affected Function	Function Status
			» MPRT	Set to OFF

## **Professional**

1st Level Menu	2nd Level Menu	Description
Pro Mode	Eco	Use Up or Down Button to select and preview mode
	User	effects.     Press the OK Button to confirm and apply your mode
	Anti-Blue	type.
	Movie	
	Office	
	sRGB	
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.

1st Level Menu	2nd Level Menu	Description		
HDCR	DCR 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	Set to OFF	
MPRT	OFF	MPRT is available wh     Activating MPRT will:	en the refresh rate is over 85 Hz. affect:	
		Affected Function	Function Status	
		» Brightness » Response Time	Unable to select	
	ON	» HDCR » Adaptive-Sync » Al Vision	Set to 0FF	
Image Enhancement	OFF	Image Enhancement enhances image edges to imp		
	Weak their acutance.			
	Medium			
	Strong			
	Strongest			

# Image

1st Level Menu	2nd/3rd Level Men	u	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 Normal Warm		Use Up or Down Button to select and
			preview mode effects.
			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)	Customization mode.
		B (0-100)	
Screen Size	Auto		Users can adjust Screen Size in any mode,
	4:3 16:9 16:10		any resolution and any screen refresh rate.

# **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	below status:
	UN	<ul> <li>While "Auto Scan" is set to "OFF" with the monitor at power saving mode;</li> </ul>
		While "No Signal" message box is shown on the monitor.

# Navi Key

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

# **Settings**

1st Level Menu	2nd/3rd Level Menu	Description
Language	繁體中文	Users have to press the OK Button to confirm and
	English	apply the Language setting.
	Français	Language is an independent setting. Users' own language setting will override the factory. When
	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.
Info. On Screen	OFF	The information of the monitor status will be shown
	ON	on the right side of the screen.
HDMI™ CEC	OFF	HDMI™ CEC (Consumer Electronics Control)
	ON	<ul> <li>supports Sony PlayStation®, Nintendo® Switch™,</li> <li>Xbox Series X S consoles and various audio-visual devices that are CEC-capable.</li> </ul>
		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.
		<ul> <li>When Sony PlayStation®, Nintendo® Switch™, or Xbox Series XIS 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 275QF		
Size		27 inch		
Curvature		Flat		
Panel Type		Rapid IPS		
Resolution		2560x1440 (WQHD)		
Aspect Ratio		16:9		
Brightness		Typical SDR 300 nits		
Contrast Ratio		1000:1		
Refresh Rate		180Hz		
Response Time	9	0.5ms (GtG)		
		1ms (MPRT)		
1/0		HDMI™ Connector x2		
		DisplayPort x1		
		• Headphone Jack x1		
View Angles		178°(H), 178°(V)		
DCI-P3*/ sRGB		78% / 101%		
Surface Treatn	nent	Anti-glare		
Display Colors		1.07B, 10bits (8bits + FRC)		
Monitor Power	Options	100~240Vac, 50/60Hz, 1.5A		
Power Consum	ption	Power On < 26W		
(Typical)		Standby < 0.5W		
		Power Off < 0.3W		
Adjustment (Ti	lt)	-5° ~ 20°		
Kensington Lo	ck	Yes		
VESA Mounting	1	• 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 H x D)	613.3 x 454.6 x 220.1 mm		
Weight	Net	3.95 kg		
	Gross	6.35 kg		

Monitor		MAG 275QF		
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		

<sup>\*</sup> Based on CIE1976 test standards.

# **Preset Display Modes**



All information is subject to change without prior notice.

Clarida de			Standard Default Mode	
Standard	Resolution		НДМІ™	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		Standard Default Mode	
Standard			НДМІ™	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™ VRR Function**		V	

Standard	Resolution		Screen Size 16:10 (Not Suppost HDR)	
Stallual u			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	٧	V
		@75Hz	V	V
XGA	1024x768	@60Hz	٧	V
		@70Hz	٧	V
		@75Hz	٧	V
SXGA	1280x1024	@60Hz	٧	V
		@75Hz	٧	V
WXGA+	1440x900	@60Hz	٧	V
WSXGA+	1680x1050	@60Hz	٧	V
QHD	2560x1600	@60Hz	٧	V
		@85Hz	V	V
		@120Hz	V	V
		@144Hz		V

Standard	Resolution		Screen Size 16:10 (Not Suppost HDR)	
Stallualu			HDMI™	DP
Video Timing	480P		V	V
Resolution	576P		V	V
	720P		V	V
	1080P	@50Hz	V	V
		@60Hz	V	V
		@120Hz	V	V
	2160P	@50Hz	V	
		@60Hz	V	

<sup>\*</sup> Users have to set  $\mathsf{HDMI^{TM}}\ 2.0\mathsf{b}$  to PC or Console.

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

# **Troubleshooting**

#### The power LED is off.

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

#### No image.

- Check if the computer graphics card is properly installed.
- Check if the computer and monitor are connected to electrical outlets and are turned on.
- Check if the monitor signal cable is properly connected.
- The computer may be in Standby mode. Press any key to activate the monitor.

### The screen image is not properly sized or centered.

 Refer to Preset Display Modes to set the computer to a setting suitable for the monitor to display.

#### No Plug & Play.

- Check if the monitor power cable is properly connected.
- Check if the monitor signal cable is properly connected.
- Check if the computer and graphics card are Plug & Play compatible.

#### The icons, font or screen are fuzzy, blurry or have color problems.

- · Avoid using any video extension cables.
- Adjust brightness and contrast.
- Adjust RGB color or tune color temperature.
- Check if the monitor signal cable is properly connected.
- Check for bent pins on the signal cable connector.

#### The monitor starts flickering or shows waves.

- Change the refresh rate to match the capabilities of your monitor.
- Update your graphics card drivers.
- Keep the monitor away from electrical devices that may cause electromagnetic interference (EMI).

# **Safety Instructions**

- Read the safety instructions carefully and thoroughly.
- All cautions and warnings on the device or User Guide should be noted.
- Refer servicing to qualified personnel only.

#### Power

- Make sure that the power voltage is within its safety range and has been adjusted properly to the value of 100~240V before connecting the device to the power outlet.
- If the power cord comes with a 3-pin plug, do not disable the protective earth pin from the plug. The device must be connected to an earthed mains socket-outlet.
- Please confirm the power distribution system in the installation site shall provide the circuit breaker rated 120/240V, 20A (maximum).
- Always disconnect the power cord or switch the wall socket off if the device would be left unused for a certain time to achieve zero energy consumption.
- Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.
- If this device comes with an adapter, use only the MSI provided AC adapter approved for use with this device.

#### **Environment**

- To reduce the possibility of heat-related injuries or of overheating the device, do not place the device on a soft, unsteady surface or obstruct its air ventilators.
- Use this device only on a hard, flat and steady surface.
- To prevent the device from tipping over, secure the device to a desk, wall or fixed object with an anti-tip fastener that helps to properly support the device and keep it safe in place.
- To prevent fire or shock hazard, keep this device away from humidity and high temperature.
- Do not leave the device in an unconditioned environment with a storage temperature above 60°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

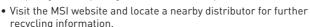
As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

#### **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.





### 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**

# msi MsI 微星





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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.