

# **PRO Series**

**LCD Monitor** 

PRO MP242A E2 (3PD1) PRO MP252 E2 (3PC9) PRO MP271A E2 (3PD0)

User Guide

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#### Revision

V1.0, 2024/10

# **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	PRO MP242A E2, PRO MP252 E2, PRO MP271A E2	
Documentation	Quick Start Guide	
Accessories	Stand	
	Stand Base	
	Power Cord	
Cables	High Speed HDMI™ Cable (Optional)	

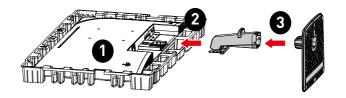


# / Important

- Contact your place of purchase or local distributor if any of the items is damaged or missing.
- Package contents may vary by country 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 and gently push the stand bracket towards the monitor groove until it locks in place.
- 3. Align and gently push the base towards the stand until it locks in place.
- 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 back of the monitor 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.

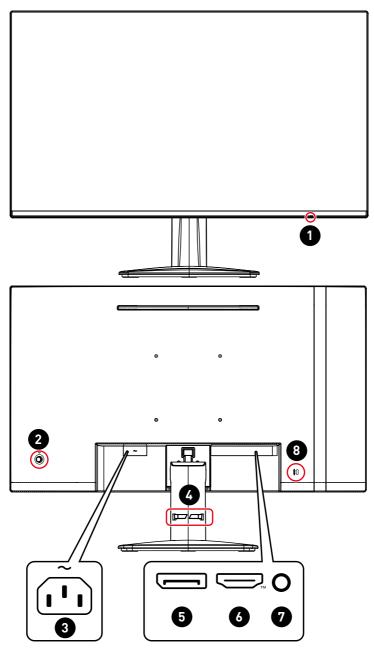


• Avoid touching the display panel when adjusting the monitor.

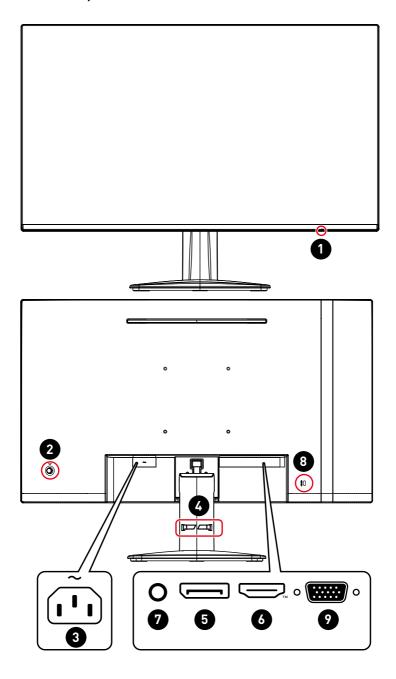


# **Monitor Overview**

### PRO MP252 E2



# PRO MP242A E2, PRO MP271A E2



	Power LED
U	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	Power Jack
4	Cable Organizer
6	DisplayPort
	Supports 1920x1080@120Hz as specified in DisplayPort 1.2a.
6	HDMI™ Connector → → → → → → → → → → → → → → → → → → →
	1mportant
	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 <a href="https://www.hdmi.org/resource/cables">https://www.hdmi.org/resource/cables</a> .
7	Headphone Jack
8	Kensington Lock
9	D-Sub Port

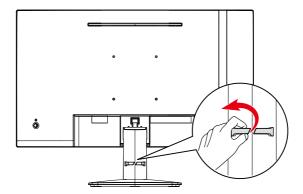
# Connecting the Monitor to PC

- 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.



#### **Important**

When removing the cable, gently pull the cable organizer outward to easily release the cable without damaging it.



# **OSD Setup**

This chapter provides you with essential information on OSD Setup.

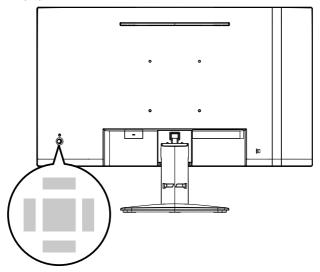


### ) Important

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

#### Middle:

- 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**

#### **PRO MP242A E2**



#### **PRO MP252 E2**



#### **PRO MP271A E2**



## **Professional**

1st Level Menu	2nd/3rd Level Menu	Description
Mode	Eco	Use Up or Down Button to select and preview mode effects.
	User	<ul> <li>Press the OK Button to confirm and apply</li> </ul>
	sRGB	your mode type.
	Anti-Blue	
	Movie	
	Office	
	Black-White	
Response Time	Normal	Setting to Fastest will reach the shortest
	Fast	response time and help improve blurred images when playing very fast games.
	Fastest	
MPRT	OFF	MPRT is available when the refresh rate is over 85 Hz.
	ON	Activating MPRT will affect:
		Affected Function Function Status
		» Brightness » Response Time Unable to select
		» HDCR » Adaptive Sync

1st Level Menu	2nd/3rd Lev	rel Menu	Description	
Refresh Rate	Location	Left Top	Location is adjustable	
		Right Top	the OK Button to confi Refresh Rate Location	
		Left Bottom	<ul> <li>This monitor follows a Operating System's present</li> </ul>	
		Right Bottom	Rate.	
	OFF	J		
	ON			
Alarm Clock	Location	Left Top	After setting the time,	press the OK Button
		Right Top	<ul><li>to activate the timer.</li><li>Users have to manual</li></ul>	ly restore their preset
		Left Bottom	Alarm Clock after any reconnection.	AC power loss and
		Right Bottom	1	
	OFF	,		
	15:00	00:01 ~ 99:59		
	30:00	-		
	45:00			
	60:00			
Eye-Q Check	OFF		Select OFF to disable     Activating Eye-Q Check	•
			Affected Function	Function Status
			» Info. On Screen	Set to OFF
	Amsler Grid  Astigmatism  Posture Correction		Select Amsler Grid to vision field.	check your central
			Select Astigmatism to vision.	check your blurred
			Select Posture Correct posture when sitting.	ction to improve your

1st Level Menu	2nd/3rd Level Menu	Description	
Screen Assistance	None	Users can adjust Scre mode.	en Assistance in any
Screen Size	4:3 16:9	Users can adjust Scre any resolution and any	
Adaptive-Sync	OFF ON	Adaptive-Sync preven     Activating Adaptive-Sy      Affected Function     MPRT	-

# Image

1st Level Menu	2nd/3rd Level Menu	Description
Brightness	0-100	Properly adjust Brightness according to the surrounding lighting.
Contrast	0-100	Properly adjust Contrast to relax your eyes.
Sharpness	0-5	Sharpness improves clarity and details of images.
Image Enhancement	OFF	Image Enhancement enhances image edges to improve their acutance.
	Weak	to improve their acutance.
	Medium	
	Strong	
	Strongest	

1st Level Menu	2nd/3rd Level Menu		Des	cription	
Low Blue Light	OFF ON		b a n	ow Blue Light protec lue light. When enabl djusts the screen col nore yellow glow. /hen Pro Mode is set nandatory to enable L	led, Low Blue Light or temperature to a to Anti-Blue, it is
HDCR	OFF ON		• A	IDCR enhances image ne contrast of images ctivating HDCR will a Affected Function » MPRT » Brightness	
Color Temperature	Cool  Normal  Warm  Customization R (0-100)  G (0-100)  B (0-100)		• P	Ise Up or Down Butto node effects. Iress the OK Button to our mode type. Isers can adjust Colo iustomization mode.	
Auto Config (PRO MP2  Clock [For D-Sub] [PRO MP242A E2,	0-100		• A	then detecting other djusting the clock to oise.	etting will be grayed out input sources. reduce Vertical-Line
PRO MP271A E2)  Phase [For D-Sub] [PRO MP242A E2, PRO MP271A E2]	0-100		• A	then detecting other discounting the phase to oise.	input sources.  reduce Horizontal-Line etting will be grayed out
H.Position (For D-Sub) (PRO MP242A E2, PRO MP271A E2)	0-100		• F	, ,	al position of the image. etting will be grayed out input sources.
V.Position (For D-Sub) (PRO MP242A E2, PRO MP271A E2)	0-100		• F	, ,	position of the image. etting will be grayed out input sources.

# **Input Source**

1st Level Menu	2nd Level Menu	Description
HDMI™		Users can adjust Input Source in any mode.
DP		
D-Sub (PRO MP242A	E2, PR0 MP271A E2)	
Auto Scan	0FF	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.

# Navi Key

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

# Settings

1st Level Menu	2nd Level Menu	Description
Language	繁體中文	Users have to press the OK Button to confirm and
	English	<ul><li>apply the Language setting.</li><li>Language is an independent setting. Users' own</li></ul>
	Français	language setting will override the factory default. When users set Reset to Yes, Language will not be
	Deutsch	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     the picks side of the accessory.
	ON	on the right side of the screen.  • Activating Info. On Screen will affect:
		Affected Function Function Status
		» Eye-Q Check Set to 0FF

1st Level Menu	2nd Level Menu	Description
HDMI™ CEC	OFF	HDMI <sup>TM</sup> CEC (Consumer Electronics Control)  Application    Nicket
	ON	<ul> <li>supports Sony PlayStation®, Nintendo® Switch™,         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, Mode will be automatically set to default Eco mode and can be adjusted to users' preferred modes later.</li> </ul>
Audio Volume	0-100	Users can adjust Audio Volume in any mode.
Reset	YES	Users can Reset and restore settings to original     OSD Default in any mode.
	NO	OSD Delaut in any mode.

# **Specifications**

Model	PRO MP242A E2	PR0 MP252 E2	PR0 MP271A E2	
Size (inch)	23.8	27		
Curvature	Flat			
Panel Type	IPS			
Resolution	1920 x 1080 (FHD)			
Aspect Ratio	16:9			
Brightness	300 nits (typ.)			
Contrast Ratio	1500:1			
Refresh Rate	120 Hz			
Response Time	1ms (MPRT)			
1/0	HDMI™     Connector x1      DisplayPort x1      D-Sub Port x1      Headphone     Jack x1	HDMI™ Connector x1      DisplayPort x1      Headphone Jack x1	HDMITM     Connector x1      DisplayPort x1      D-Sub Port x1      Headphone Jack     x1	
View Angles	178°(H), 178°(V)			
DCI-P3*/sRGB	89%/115%	79%/99%	90%/116%	
Surface Treatment	Anti-glare			
Speaker	2W x2			
Display Colors	16.7M, 8bits (6bits + FRC)			
Monitor Power Options	100-240V~, 50/60Hz 1.5A			
Power Consumption (Typical)	Power On < 40W Standby < 0.5W Power Off < 0.3W			
Adjustment (Tilt)	-5° ~ 20°			
Kensington Lock	Yes			

Model		PR0 MP242A E2	PR0 MP252 E2	PRO MP271A E2	
VESA Mounting		<ul> <li>Plate Type: 100 x 100 mm</li> <li>Screw Type: M4 x 10 mm</li> <li>Thread Diameter: 4 mm</li> <li>Thread Pitch: 0.7 mm</li> <li>Thread Length: 10 mm</li> </ul>			
Dimension (W x D x H)		540 x 188 x 409 mm	558 x 188 x 416 mm	612 x 207 x 432 mm	
Weinka	Net	3.1 Kg	3.2 Kg	3.8 Kg	
Weight	Gross	4.8 Kg 4.9 Kg		6.2 Kg	
Environment	Operating	<ul> <li>Temperature: 0°C to 40°C</li> <li>Humidity: 20% to 90%, non-condensng</li> <li>Altitude: 0 ~ 5000m</li> </ul>			
	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.

## PRO MP242A E2, PRO MP271A E2

Standard	Resolution		HDMI™	DP	D-Sub
VGA	640x480	@60Hz	V	V	V
		@67Hz	V	V	V
		@72Hz	V	V	V
		@75Hz	V	V	V
Dos-Mode	720x480	@60Hz	V	V	V
	720x576	@50Hz	V	V	V
SVGA	800x600	@56Hz	V	V	V
		@60Hz	V	V	V
		@72Hz	V	V	V
		@75Hz	V	V	V
XGA	1024x768	@60Hz	V	V	V
		@70Hz	V	V	V
		@75Hz	V	V	V
SXGA	1280x1024	@60Hz	V	V	V
		@75Hz	٧	V	V
WXGA+	1440x900	@60Hz	V	V	V
WSXGA+	1680x1050	@60Hz	V	V	V
Full HD	1920x1080	@60Hz	V	V	V
		@85Hz	V	V	
		@100Hz	٧	V	
		@120Hz	V	V	

Standard	Resolution		HDMI™	DP	D-Sub
Video	480P 576P 720P		V	V	V
Timing Resolution			٧	V	V
			٧	V	٧
	1080P	@60Hz	V	٧	V
		@120Hz	٧		

#### PRO MP252 E2

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

Standard	Resolution		НДМІ™	DP
Full HD	1920x1080	@60Hz	V	٧
		@85Hz	V	٧
		@100Hz	V	V
		@120Hz	V	٧
Video Timing	480P		V	٧
Resolution	576P		V	V
	720P		V	V
	1080P	@60Hz	V	V
		@120Hz	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.)

## **ENERGY STAR Certification**

ENERGY STAR is a program run by the U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE) to promote energy efficiency. This product qualifies for ENERGY STAR in the "factory default" settings through which power savings will be achieved. Changing the factory default picture settings or enabling other features will increase power consumption, which could exceed the limits necessary to qualify for ENERGY STAR rating.



For more information on ENERGY STAR, refer to https://www.energystar.gov/.

# **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

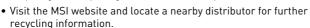
As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

#### **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.





 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.

## **Copyright and Trademarks Notice**

# **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.