



PRO Series

LCD Monitor

PRO MP242A (3PA1)

PRO MP242AP (3PA1)

PRO MP271A (3PA2)

PRO MP271AP (3PA2)

User Guide

Contents

- Getting Started..... 3
 - Package Contents..... 3
 - Installing the Monitor Stand..... 4
 - Adjusting the Monitor 6
 - Monitor Overview..... 8
 - Connecting the Monitor to PC 10
- OSD Setup 11
 - OSD Keys 11
- OSD Menus..... 13
 - Luminance 14
 - Image Setup..... 15
 - Color Temp. 16
 - OSD Setup..... 16
 - Extra..... 17
- Specifications..... 18
- Preset Display Modes 20
- Troubleshooting..... 21
- Safety Instructions..... 22
- TÜV Rheinland Certification..... 24
- ENERGY STAR Certification..... 24
- Regulatory Notices..... 25

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	PRO MP242A, PRO MP271A	PRO MP242AP, PRO MP271AP
Documentation	Quick Start Guide	
Accessories	Stand	Stand with Screw(s)
	Stand Base with Screw(s)	
	Power Cord	
Cables	High Speed HDMI™ Cable (Optional)	



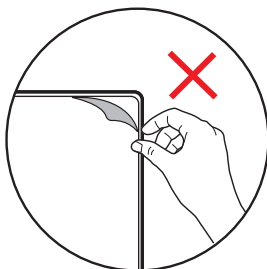
Important

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

Installing the Monitor Stand

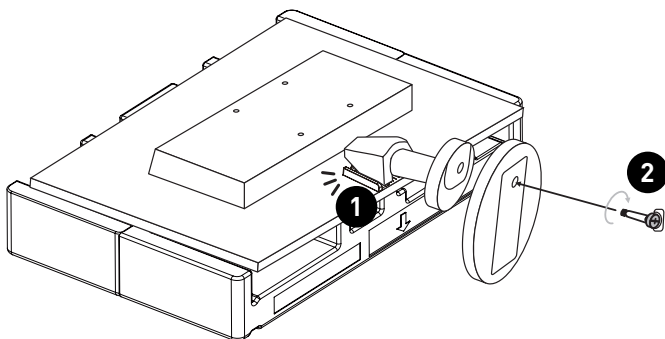
Important

- 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!



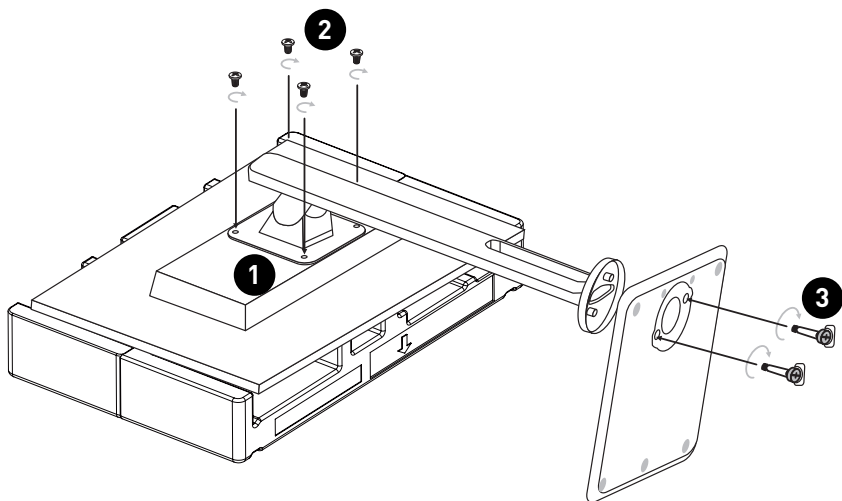
PRO MP242A/ PRO MP271A

1. Leave the monitor in its protective foam packaging. Align the stand to the monitor groove. Push the stand towards the monitor groove until it locks in place.
2. Connect the base to the stand and tighten the base screw to secure the base.
3. Make sure the stand assembly is properly installed before setting the monitor upright.



PRO MP242AP/ PRO MP271AP

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 screws to secure the base.
4. Make sure the stand assembly is properly installed before setting the monitor upright.



Important

The groove for installing the stand bracket can also be used for wall mount. Please contact your dealer for proper wall mount kit.

Adjusting the Monitor

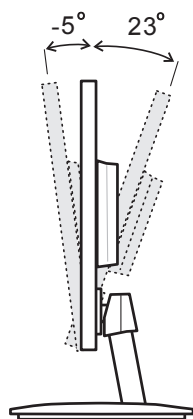
This monitor is designed to maximize your viewing comfort with its adjustment capabilities.



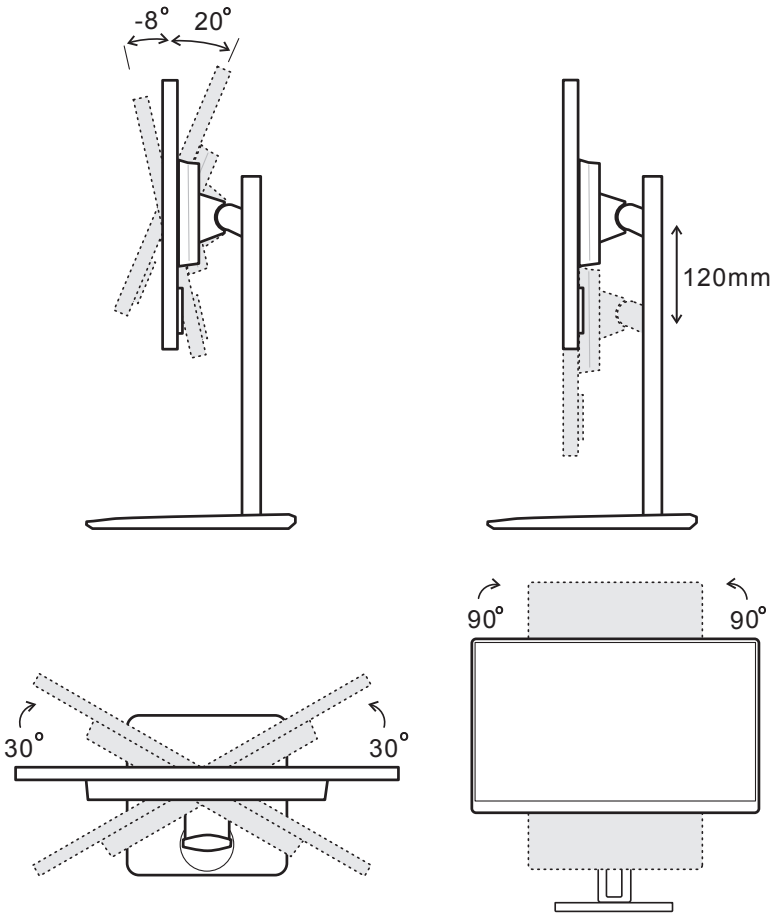
Important

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

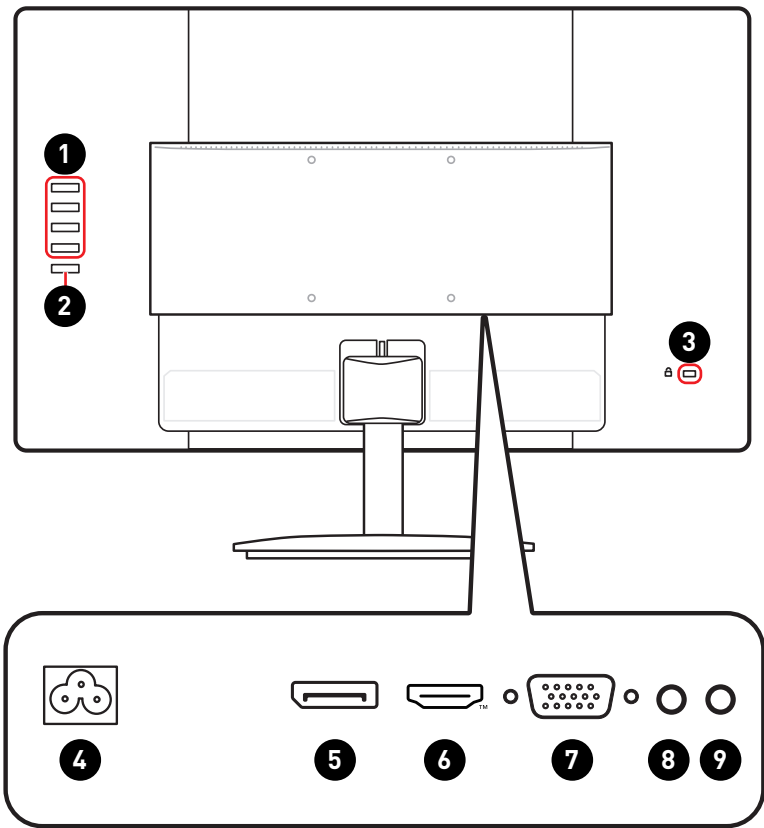
PRO MP242A/ PRO MP271A



PRO MP242AP/ PRO MP271AP



Monitor Overview

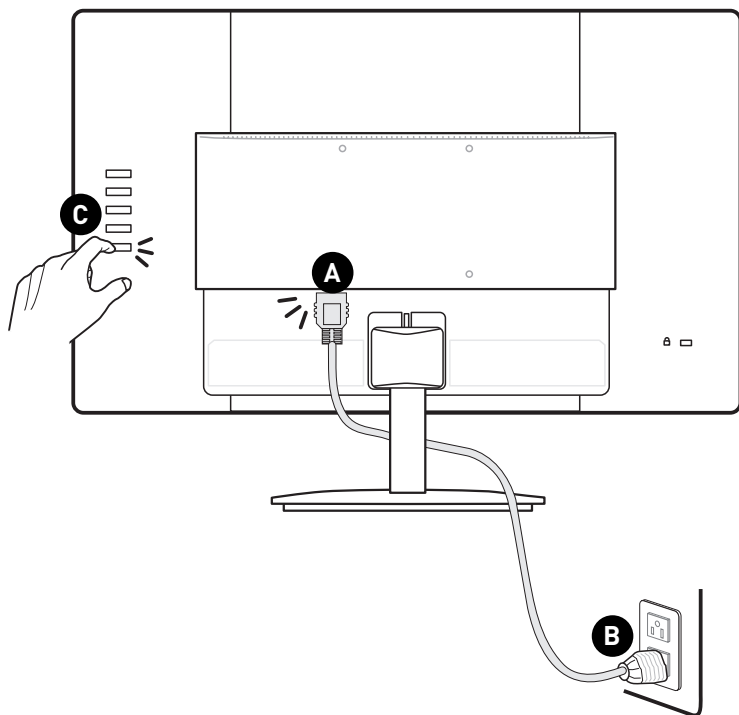


1	OSD Keys
2	Power Button
3	Kensington Lock
4	Power Jack

5	DisplayPort Supports 1920x1080@100Hz as specified in DisplayPort 1.2a.
6	HDMI™ Connector  Supports 1920x1080@100Hz as specified in HDMI™ 1.4b.
7	D-Sub Port Supports 1920x1080@60Hz.
8	Line-In Jack
9	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

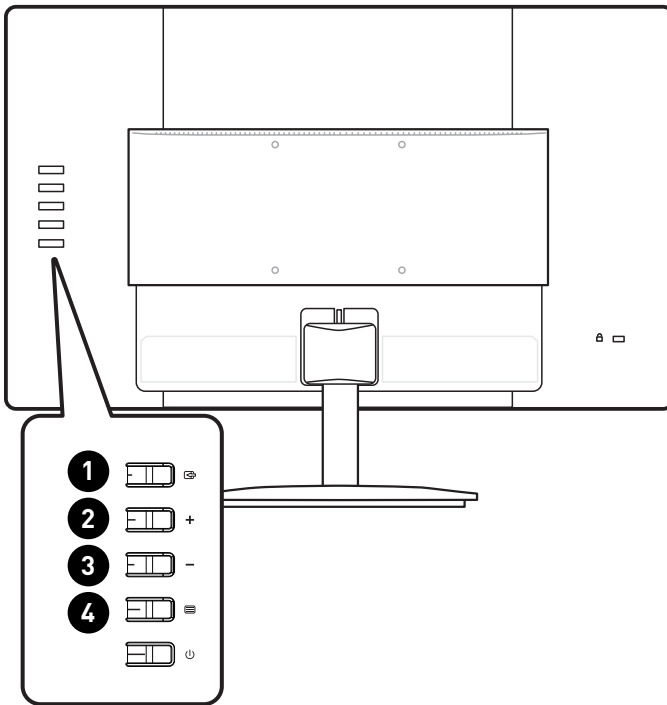
This chapter provides you with essential information on OSD Setup.



All information is subject to change without prior notice.

OSD Keys

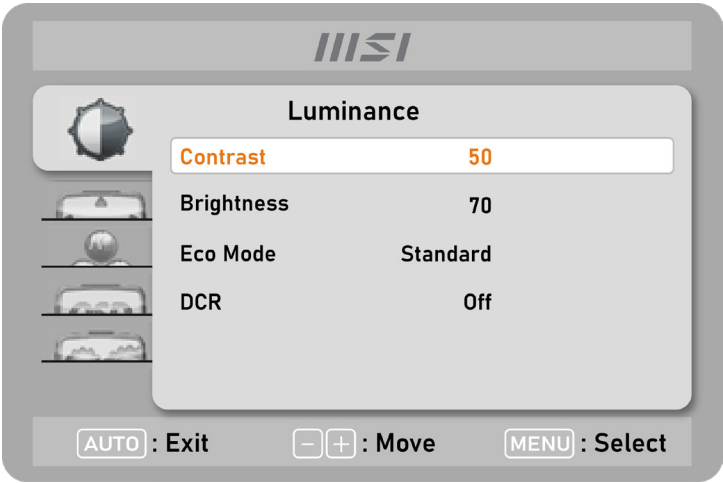
The monitor comes with a set of OSD Keys that help to control the On-Screen Display (OSD) menu.



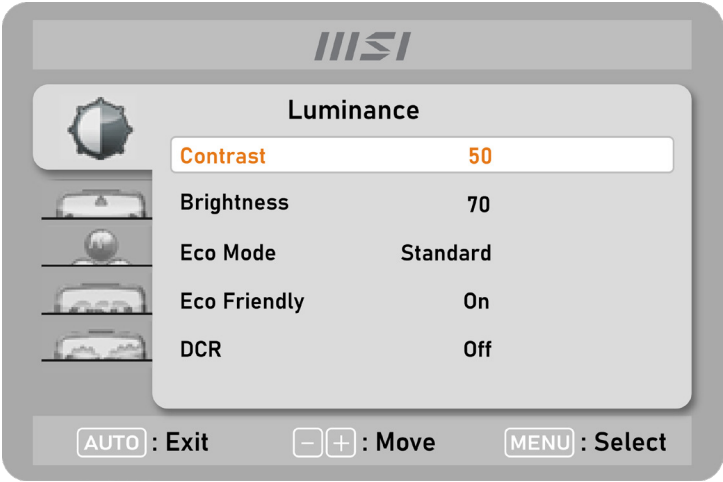
OSD Key		Hot Key (When OSD is OFF)	OSD Setup (When OSD is ON)
1	AUTO / SOURCE / EXIT	• Selecting the video input from external sources • Activating the Auto Adjustment function to optimize the horizontal position, vertical position, clock and focus	• Returning to the previous menu • Exiting from the OSD Main Menu
2	VOLUME / +	• Activating the Volume control	• Adjusting function values
3	Eco Mode / -	• Activating the Eco Mode	
4	MENU / ENTER	• Activating the OSD Main Menu • To lock/unlock the OSD, press and hold the MENU button while the monitor is off and then press the power button to turn the monitor on.	• Confirming the selection

OSD Menus

PRO MP242A, PRO MP242AP



PRO MP271A, PRO MP271AP



Luminance

1st Level Menu	2nd Level Menu	Description	
Contrast	0-100	- Properly adjust Contrast to relax your eyes. - This function is available in Standard mode.	
Brightness	0-100	- Properly adjust Brightness according to the surrounding lighting. - This function is available in Standard mode.	
Eco Mode	Standard	Activating Eco Mode will affect:	
	Text	Affected Function	Function Status
	Internet	» MPRT	Set to OFF
	Game		
	Movie		
	Sports		
	sRGB		
Eco Friendly (PRO MP271A, PRO MP271AP)	ON	This function adjusts the monitor backlight to improve energy efficiency.	
	OFF		
DCR	ON	DCR enhances image quality by increasing the contrast of images.	
	OFF	Activating DCR will affect:	
		Affected Function	Function Status
		» Contrast » Brightness » Eco Mode	Unable to select
		» MPRT	Set to OFF

Image Setup

1st Level Menu	2nd Level Menu	Description								
Image Ratio	Wide	Selecting the Image Aspect Ratio								
	4:3									
Overdrive	Normal	- Setting the response time overdrive function - Overshooting may occur when Overdrive is set to Fastest.								
	Fast									
	Fastest									
Adaptive-Sync	ON	- Adaptive-Sync prevents screen tearing. - Activating Adaptive-Sync will affect: <table><tr><th>Affected Function</th><th>Function Status</th></tr><tr><td>» MPRT</td><td>Set to OFF</td></tr></table>	Affected Function	Function Status	» MPRT	Set to OFF				
	Affected Function		Function Status							
	» MPRT		Set to OFF							
OFF										
MPRT	ON	Activating MPRT will affect: <table><tr><th>Affected Function</th><th>Function Status</th></tr><tr><td>» Brightness</td><td rowspan="2">Unable to select</td></tr><tr><td>» Overdrive</td></tr><tr><td>» Adaptive-Sync</td><td rowspan="2">Set to OFF</td></tr><tr><td>» DCR</td></tr></table>	Affected Function	Function Status	» Brightness	Unable to select	» Overdrive	» Adaptive-Sync	Set to OFF	» DCR
	Affected Function		Function Status							
	» Brightness		Unable to select							
	» Overdrive									
» Adaptive-Sync	Set to OFF									
» DCR										
OFF										
HDMI™ CEC	OFF	- HDMI™ CEC (Consumer Electronics Control) supports Sony PlayStation®, Nintendo® Switch™, Xbox Series X S consoles and various audio-visual devices that are CEC-capable. - If HDMI™ CEC is set to ON: - 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, Eco Mode will be automatically set to default mode and can be adjusted to users' preferred mode later.								
	ON									
Clock (for D-Sub)	0-100	Adjusting the clock to reduce Vertical-Line noise								
Phase (for D-Sub)	0-100	Adjusting the phase to reduce Horizontal-Line noise								
H. Position (for D-Sub)	0-100	Adjusting the horizontal position of the image								
V. Position (for D-Sub)	0-100	Adjusting the vertical position of the image								

Color Temp.

1st Level Menu	2nd Level Menu	Description
Warm		• Setting Color Temperature
Normal		
Cool		
User	R (0-100)	• Adjusting the Red Gain
	G (0-100)	• Adjusting the Green Gain
	B (0-100)	• Adjusting the Blue Gain
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	

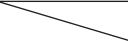
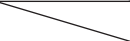
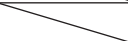
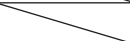
OSD Setup

1st Level Menu	2nd Level Menu	Description
H. Position	0-100	• Adjusting the horizontal position of OSD
V. Position	0-100	• Adjusting the vertical position of OSD
Timeout	5-100	• Adjusting the OSD timeout
Language	English	• Selecting the OSD language
	Español	
	Français	
	Português	
	Русский	
	简体中文	
	繁體中文	
	한국어	
	(More languages coming soon)	

Extra

1st Level Menu	2nd Level Menu	Description
Input Select	Auto	• Selecting the video input source
	D-SUB	
	HDMI™	
	DisplayPort	
DDC/CI	ON	• Turning on/off the DDC/CI support
	OFF	
Reset	YES	• Resetting and restoring settings to original OSD defaults
	NO	
Information		• Showing the information of the main image source

Specifications

Monitor	PRO MP242A	PRO MP242AP	PRO MP271A	PRO MP271AP
Size	23.8 inch		27 inch	
Panel Type	IPS			
Resolution	1920 x 1080			
Aspect Ratio	16:9			
Brightness (nits)	300 (Typ.)			
Contrast Ratio	1000:1			
Refresh Rate	100Hz			
Response Time	• 4ms (GTG) • 1ms (MPRT)			
Input Interface	• HDMI™ Connector x1 • DisplayPort x1 • D-Sub Port x1 • Headphone Jack x1 • Line-in Jack x1			
View Angles	178°(H) , 178°(V)			
DCI-P3* / sRGB	85% / 110%		84% / 108%	
Surface Treatment	Anti-glare			
Display Colors	16.7 Million			
Speaker	2 x 2W			
Monitor Power Option	100~240V, 50/60Hz, 1.5A			
Power Consumption (Typical)	Power On < 18W Standby < 0.5W Power Off < 0.5W		Power On < 21W Standby < 0.5W Power Off < 0.5W	
Adjustment (Tilt)	-5° ~ 23°	-8° ~ 20°	-5° ~ 23°	-8° ~ 20°
Adjustment (Swivel)		-30° ~ 30°		-30° ~ 30°
Adjustment (Pivot)		-90° ~ 90°		-90° ~ 90°
Adjustment (Height)		0 ~ 120 mm		0 ~ 120 mm
Kensington Lock	Yes			

Monitor		PRO MP242A	PRO MP242AP	PRO MP271A	PRO MP271AP
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 H x D)		539.5 x 405.9 x 219.7 mm	539.5 x 385.7 x 228.9 mm	612.6 x 456.8 x 219.7 mm	612.6 x 405.4 x 228.9 mm
Weight	Net	3.2Kg	4.4Kg	3.9Kg	5.2Kg
	Gross	4.6Kg	6.0Kg	5.5Kg	7.5Kg
Environment	Operating	• Temperature: 0°C to 40°C • Humidity: 10% to 85%, non-condensing • Altitude: 0 ~ 5000m			
	Storage	• Temperature: -20°C to 60°C • Humidity: 10% to 90%, non-condensing			

* Based on CIE1976 test standards.

Preset Display Modes



All information is subject to change without prior notice.

Standard	Resolution		HDMI™	DP	D-Sub
VGA	640x480	@60Hz	V	V	V
		@67Hz	V	V	V
		@72Hz	V	V	V
		@75Hz	V	V	V
	720x400	@70Hz	V	V	V
SVGA	800x600	@56Hz	V	V	V
		@60Hz	V	V	V
		@72Hz	V	V	V
		@75Hz	V	V	V
	832x624	@75Hz	V	V	V
XGA	1024x768	@60Hz	V	V	V
		@70Hz	V	V	V
		@75Hz	V	V	V
HD	1280x720	@60Hz	V	V	V
SXGA	1280x960	@60Hz	V	V	V
WXGA	1280x1024	@60Hz	V	V	V
		@75Hz	V	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	V	V	
Video Timing Resolution	480P		V	V	
	576P		V	V	
	720P		V	V	
	1080P @50Hz		V	V	
	1080P @60Hz		V	V	

Troubleshooting

The power LED is off.

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

No image.

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

The screen image is not properly sized or centered.

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

No Plug & Play.

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

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

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

The monitor starts flickering or shows waves.

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

Safety Instructions

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

Power

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

Battery

Please take special precautions if this device comes with a battery.

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.
- Avoid disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, which can result in an explosion.
- Avoid leaving a battery in an extremely high temperature or extremely low air pressure environment that can result in an explosion or the leakage of flammable liquid or gas.
- Do not ingest battery. If the coin/button cell battery is swallowed, it can cause severe internal burns and can lead to death. Keep new and used batteries away from children.

European Union:



Batteries, battery packs, and accumulators should not be disposed of as unsorted household waste. Please use the public collection system to return, recycle, or treat them in compliance with the local regulations.

BSMI:



廢電池請回收

For better environmental protection, waste batteries should be collected separately for recycling or special disposal.

California, USA:



The button cell battery may contain perchlorate material and requires special handling when recycled or disposed of in California. For further information please visit: <https://dtsc.ca.gov/perchlorate/>

Environment

- To reduce the possibility of heat-related injuries or of overheating the device, do not place the device on a soft, unsteady surface or obstruct its air ventilators.
- Use this device only on a hard, flat and steady surface.
- To prevent the device from tipping over, secure the device to a desk, wall or fixed object with an anti-tip fastener that helps to properly support the device and keep it safe in place.
- To prevent fire or shock hazard, keep this device away from humidity and high temperature.
- Do not leave the device in an unconditioned environment with a storage temperature above 60°C or below -20°C, which may damage the device.
- The maximum operating temperature is around 40°C.
- When cleaning the device, be sure to remove the power plug. Use a piece of soft cloth rather than industrial chemical to clean the device. Never pour any liquid into the opening; that could damage the device or cause electric shock.
- Always keep strong magnetic or electrical objects away from the device.
- If any of the following situations arises, get the device checked by service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated into the device.
 - The device has been exposed to moisture.
 - The device does not work well or you can not get it working according to the User Guide.
 - The device has dropped and damaged.
 - The device has obvious sign of breakage.

TÜV Rheinland Certification

TÜV Rheinland Low Blue Light Certification

Blue light has been shown to cause eye fatigue and discomfort. MSI now offers monitors with TÜV Rheinland Low Blue Light certification to ensure users' eye comfort and well-being. Please follow the instructions below to reduce the symptoms from extended exposure to the screen and blue light.



Low Blue Light
(Software
Solution)

www.tuv.com

- 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.)



Flicker Free

www.tuv.com

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.

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www.msi.com

WEEE Statement

Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2012/19/EU, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.



Chemical Substances Information

In compliance with chemical substances regulations, such as the EU REACH Regulation (Regulation EC No. 1907/2006 of the European Parliament and the Council), MSI provides the information of chemical substances in products at: <https://csr.msi.com/global/index>

RoHS Statement

Japan JIS C 0950 Material Declaration

A Japanese regulatory requirement, defined by specification JIS C 0950, mandates that manufacturers provide material declarations for certain categories of electronic products offered for sale after July 1, 2006. <https://csr.msi.com/global/Japan-JIS-C-0950-Material-Declarations>

India RoHS

This product complies with the "India E-waste (Management and Handling) Rule 2016" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Turkey EEE Regulation

Conforms to the EEE Regulations of the Republic Of Turkey

Ukraine Restriction of Hazardous Substances

The equipment complies with requirements of the Technical Regulation, approved by the Resolution of Cabinet of Ministry of Ukraine as of 10 March 2017, № 139, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

Vietnam RoHS

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

Green Product Features

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

Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.
- Visit the MSI website and locate a nearby distributor for further recycling information.
- Users may also reach us at gpcontdev@msi.com for information regarding proper disposal, take-back, recycling, and disassembly of MSI products.



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.



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.