

PRO Series

LCD Monitor

PRO MP225 (3PC6)

User Guide

Contents

Getting Started	3
Package Contents	3
Installing the Monitor Stand	4
Adjusting the Monitor	5
Monitor Overview	6
Connecting the Monitor to PC	7
OSD Setup	8
Navi Key	8
Hot Key	8
OSD Menus	9
Professional	9
Image	11
Input Source	12
Navi Key	12
Settings	13
Specifications	14
Preset Display Modes	16
Troubleshooting	17
Safety Instructions	18
TÜV Rheinland Certification	20
ENERGY STAR Certification	20
Regulatory Notices	21

Revision

V1.1, 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 MP225	
Documentation	Quick Start Guide	
Accessories	Stand	
	Stand Base	
	External Power Supply	
Cables	High Speed HDMI™ Cable (Optional)	

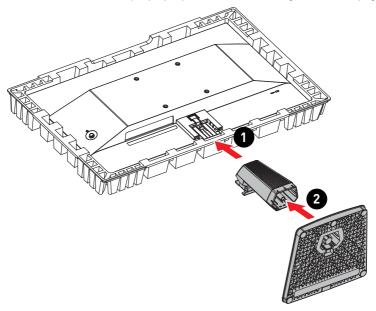


!\ Important

- 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. Align and gently push the stand bracket towards the monitor groove until it locks in place.
- 2. Align and gently push the base towards the stand until it locks in place.
- 3. 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

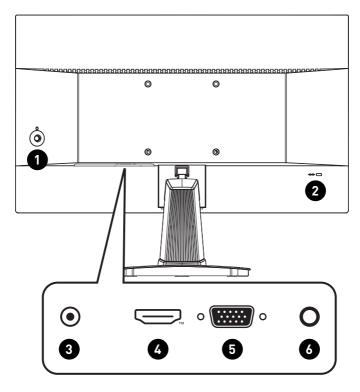
This monitor is designed to maximize your viewing comfort with its adjustment capabilities.

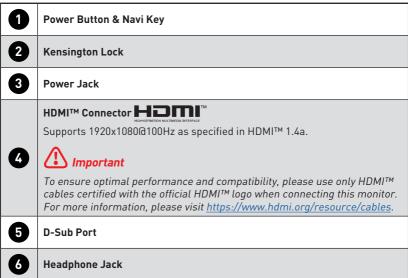


Avoid touching the display panel when adjusting the monitor.



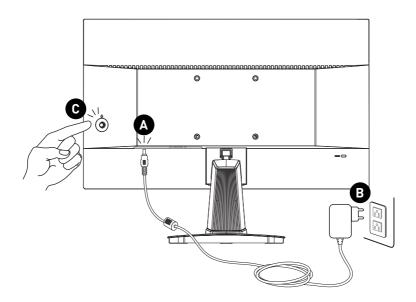
Monitor Overview





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 connector to the monitor power jack. (Figure A)
- **4.** Connect the external power supply to 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.

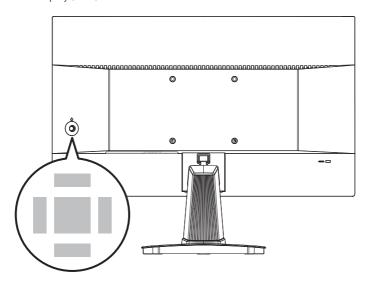


Important

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

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



Professional

1st Level Menu	2nd/3rd Level Menu	Description		
Mode	Eco	Press the Middle Button to confirm and a your mode type. The default setting "Eco" mode meets the		
	User			
	Anti-Blue			
	Movie			The default setting "Eco" mode meets the
	Office	requirements of TÜV F Light" standard and Ey		
	Black-White			
Response Time	ponse Time Normal Fast Normal • Setting to Fastest will reach response time and help imp images when playing very fe		help improve blurred	
	Fastest		, 3	
MPRT	OFF	MPRT is available when the refresh		
	ON	over 85 Hz. • Activating MPRT will a	ffect:	
		Affected Function	Function Status	
		» Response Time » Brightness	Unable to select	
		» HDCR » Adaptive-Sync	Set to OFF	

1st Level Menu	2nd/3rd Lev	el Menu	Description	
Refresh Rate	Location	Left Top	Location is adjustable	in OSD Menu. Press
		Right Top	the Middle Button to confirm and apply your Refresh Rate Location. This monitor follows and works at the	confirm and apply your
		Left Bottom		
		Right Bottom	Operating System's p	reset Screen Refresh
	OFF		Rate.	
	ON		-	
Alarm Clock	Location	Left Top	After setting the time	, press the Middle Button
			to activate the timer.	
		Left Bottom	 Users have to manual Alarm Clock after any 	
		Right Bottom	reconnection.	The perior toos and
	OFF		-	
	15:00	00:01 ~ 99:59	1	
	30:00	-		
	45:00	-		
	60:00	-		
Eye-Q Check	OFF	l	Select OFF to disable	Eye-Q Check.
			Activating Eye-Q Check	ck will affect:
			Affected Function	Function Status
			» Refresh Rate	
			» Alarm Clock » Screen Assistance » Info. On Screen	» Set to OFF
	Amsler Grid		Select Amsler Grid to check your central viniteld.	check your central vision
	Astigmatism	1	Select Astigmatism to vision.	o check your blurred
	Posture Cor	rection	Select Posture Correct posture when sitting.	ction to improve your
Screen Assistance	None		Users can adjust Scre	een Assistance in any
	га г	7	mode.	
	L ⁺ J L	*		
		-		
	Ŧ.	f		
		•<		
	^	^		
	Z 3 Z			
	(<u>:</u>) (<u>. 1</u>		

1st Level Menu	2nd/3rd Level Menu	Description	
Screen Size	Auto	Users can adjust Screen Size in any mode, a	
	4:3	resolution and any scr	een refresh rate.
	16:9		
Adaptive-Sync	OFF	Adaptive-Sync prevent	ts screen tearing.
	ON	Activating Adaptive-Sy	rnc will affect:
		Affected Function	Function Status
		» MPRT	Set to OFF

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 Cont	rast to relax your eyes.
Sharpness	0-5		Sharpness improves images.	clarity and details of
Image Enhancement	OFF			enhances image edges to
	Weak		improve their acutan	ce.
	Medium			
	Strong			
	Strongest			
Low Blue Light	OFF		Low Blue Light protects your eyes against blue light. When enabled, Low Blue Light adjusts	
	ON		the screen color tem glow.	perature to a more yellow Anti-Blue, it is mandatory
HDCR	OFF			ge quality by increasing
	ON		the contrast of images. • Activating HDCR will affect:	
			Affected Function	Function Status
			» Brightness	Unable to select
			» MPRT	Set to OFF
Color Temperature	Cool		Use Up or Down Button to select and prev	on to select and preview
	Normal		mode effects.	
	Warm		 Press the Middle Button to confirm and a your mode type. 	
	Customization	R (0-100)	Users can adjust Col Customization mode	
		G (0-100)	- Customization mode	
		B (0-100)		

1st Level Menu	2nd/3rd Level Menu	Description
Auto Config		For D-Sub only, this setting will be grayed out when detecting other input sources.
Clock	0-100	Adjust Clock setting.
		For D-Sub only, this setting will be grayed out when detecting other input sources.
Phase	0-100	Adjust Phase setting.
		For D-Sub only, this setting will be grayed out when detecting other input sources.
H.Position	0-100	Adjust H.Position setting.
		For D-Sub only, this setting will be grayed out when detecting other input sources.
V.Position	0-100	Adjust V.Position setting.
		For D-Sub only, this setting will be grayed out when detecting other input sources.

Input Source

1st Level Menu	2nd Level Menu	Description
HDMI™		Users can adjust Input Source in any mode.
D-Sub		
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.

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	Mode	
Night	Alarm Clock	
	Input Source	
	Refresh Rate	
	Info. On Screen	

Settings

1st Level Menu	2nd Level Menu	Description		
Language	繁體中文		the Middle Button to confirm	
	English	and apply the Language setting. • Language is an independent setting. Users' own		
	Français		will override the factory. When	
	Deutsch	users set Reset to Yes, Language will not be	es, Language will not be	
	Italiano	changed.		
	Español			
	한국어			
	日本語			
	Русский			
	Português			
	简体中文			
	Bahasa Indonesia			
	Türkçe			
	(More languages coming soon)			
Transparency	0~5	Users can adjust Tra	ansparency in any mode.	
OSD Time Out	5~30s	Users can adjust 05	D Time Out in any mode.	
Power Button	OFF	When set to OFF, us button to turn off th	sers can press the power e monitor.	
	Standby		y, users can press the power e panel and backlight.	
Info. On Screen	OFF ON	The information of the monitor status will shown on the right side of the screen. Activating Info. On Screen will affect:		
		Affected Function	Function Status	
		» Eye-Q Check	Set to OFF	
Reset	YES	Users can Reset and	d restore settings to original	
	NO	OSD Default in any mode.		

Specifications

Monitor	PRO MP225	
Size	21.5 inch	
Curvature	Flat	
Panel Type	IPS	
Resolution	1920x1080 (FHD)	
Aspect Ratio	16:9	
Brightness	250 nits (typ.)	
Contrast Ratio	1300:1	
Refresh Rate	100Hz	
Response Time	• 1ms (MPRT)	
	• 4ms (GTG)	
1/0	HDMI™ Connector x1	
	D-Sub Port x1	
	Headphone Jack x1	
View Angles	178°(H), 178°(V)	
DCI-P3*/ sRGB	84% / 107%	
Surface Treatment	Anti-glare	
Display Colors	16.7M	
Monitor Power Options	12V === 2A	
External Power Supply	24W, 12V	
Power Input	100-240Vac, 50/60Hz	
Power Output	12V === 2A	
Adjustment (Tilt)	-5° ~ 20°	
Kensington Lock	Yes	
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	

Monitor		PRO MP225
Dimension (W x H x D)		489.4 x 384.8 x 182.3 mm
Weight	Net	2.3 kg
	Gross	4.1 kg
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

^{*} Based on CIE1976 test standards.

Preset Display Modes



All information is subject to change without prior notice.

Standard	Resolution		HDMI™	D-Sub
VGA	640x480	@60Hz	V	V
		@67Hz	V	V
		ര72Hz	V	V
		@75Hz	V	V
Dos-Mode	720x480	@60Hz	V	
	720x576	@50Hz	V	
SVGA	800x600	@56Hz	V	V
		@60Hz	V	V
		ଗ72Hz	V	V
		@75Hz	V	V
XGA	1024x768	@60Hz	V	V
		@70Hz	V	V
		@75Hz	V	V
SXGA	1280x1024	@60Hz	V	V
		@75Hz	V	V
WSXGA+	1680x1050	@60Hz	V	V
Full HD	1920x1080	@60Hz	V	V
		@85Hz	V	
		@100Hz	V	
Video Timing Resolution	480P		V	
	576P		V	
	720P		V	
	1080P @60Hz		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 (D0E) 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

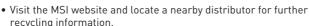
As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

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.





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





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.