

## **PRO Series**

**LCD Monitor** 

PRO MP341CQ (3PB2) PRO MP341CQW (3PB2)

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
OSD Keys	8
OSD Menus	10
Luminance	10
Image Setup	11
Color Temp	12
OSD Setup	12
Extra	13
Specifications	14
Preset Display Modes	16
Troubleshooting	17
Safety Instructions	18
TÜV Rheinland Certification	20
Regulatory Notices	21

#### Revision

V1.1, 2024/05

## **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 MP341CQ		
	PRO MP341CQW		
Documentation	Quick Start Guide		
Accessories	Stand with Screw(s)		
	Stand Base with Screw(s)		
	Stand Cover		
	Power Cord		
Cables	Premium High Speed HDMI™ Cable (Optional)		

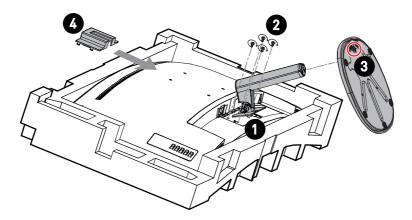


### ! Important

- 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

- 1. Leave the monitor in its protective foam packaging. Align the stand bracket to the monitor groove.
- 2. Tighten the stand bracket with screws.
- **3.** Connect the base to the stand and tighten the base screw to secure the base.
- 4. Align and push the stand cover towards the monitor groove until it locks in place.
- 5. Make sure the stand assembly is properly installed before setting the monitor upright.



#### **Important**

- Remove the screws on the monitor groove if needed before installing the stand.
- 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!

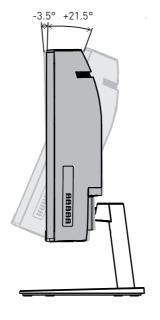


### **Adjusting the Monitor**

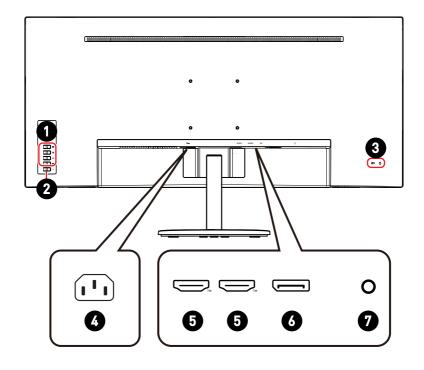
This monitor is designed to maximize your viewing comfort with its adjustment capabilities.

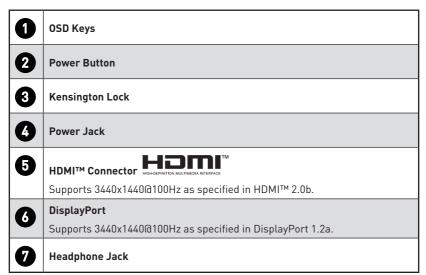


Avoid touching the display panel when adjusting the monitor.



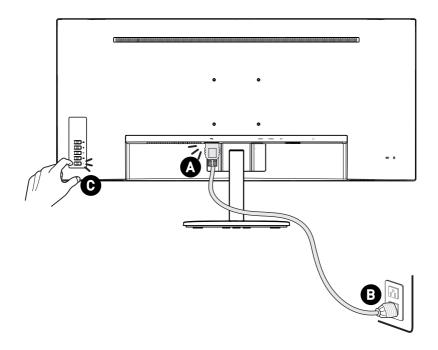
### **Monitor Overview**





### 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 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.

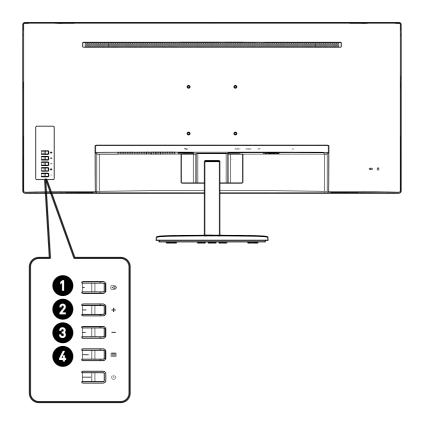


## / Important

All information is subject to change without prior notice.

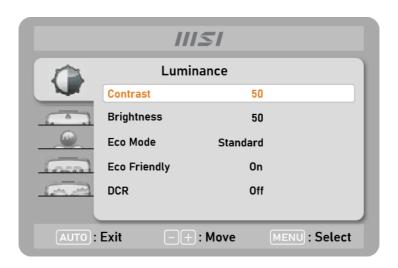
### **OSD Keys**

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



OSD I	Keys	Hot Key (When OSD is OFF)	OSD Setup (When OSD is ON)	
0	SOURCE / EXIT	Selecting the video input from external sources	Returning to the previous menu	
			Exiting from the OSD Main Menu	
2	VOLUME / +	Activating the Volume control	A 1:	
3	Eco Mode /-	Activating Eco Mode	Adjusting function values	
0	MENU / ENTER	Activating the OSD Main Menu	Confirming the selection	
		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.		

### **OSD Menus**



### Luminance

1st Level Menu	2nd Level Menu	Description
Contrast	0-100	Adjusting display contrast. This function is available in Standard mode.
Brightness	0-100	Adjusting display brightness. This function is available in Standard mode.
Eco Mode	Standard	Activating the following function will affect Eco Mode:
	Text	Activated Function   Eco Mode Status
	Internet	» DCR Set to Standard & unable
	Game	to select
	Movie	
	Sports	
	sRGB	
Eco Friendly	ON	This function adjusts the monitor backlight
	OFF	to improve energy efficiency.

1st Level Menu	2nd Level Menu	Description	
DCR	ON	<ul> <li>DCR enhances image quality by increas the contrast of images.</li> <li>Activating DCR will affect:</li> </ul>	
	OFF		
		Affected Function	Function Status
		» Contrast » Brightness » Eco Mode	Unable to select

## **Image Setup**

1st Level Menu	2nd Level Menu	Description			
Image Ratio	Wide	Selecting the Image Aspect Ratio		Selecting the Image Aspect Ratio	
	4:3				
Overdrive	Normal	Deactivating the response time overdrive function			
	Fast	<ul> <li>Setting to Fast will shorten the response time and help improve blurred images when playing fast games.</li> <li>Setting to Fastest will reach the shortest response time and help improve blurred images when playing very fast games.</li> <li>Overshooting may occur when Overdrive is set to Fastest.</li> </ul>			
	Fastest				
Adaptive-Sync	ON	Adaptive-Sync prevents screen tearing.			
	OFF	Activating Adapti	ve-Sync will affect:		
		Affected Function	Function Status		
		» MPRT	Set to OFF		
MPRT	ON		e when the refresh rate is		
	OFF	over 85 Hz.  • Activating MPRT	will affect:		
		Affected Function	Function Status		
			Unable to select		
		» Adaptive-Sync » DCR	Set to OFF		

## Color Temp.

1st Level Menu 2nd Level Menu		Description		
Warm		Setting Warm Color Temperature to default		
Normal		Setting Normal Color Temperature to default		
Cool		Setting Cool Color Temperature to default		
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		
	ON	blue light. When enabled, Low Blue Light adjusts the screen color temperature to a more yellow glow.		

## **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
	HDMI™1	
	HDMI™2	
	DisplayPort	
DDC/CI	ON	Turning on/off the DDC/CI support
	OFF	
HDMI™ CEC	OFF	HDMI™ CEC (Consumer Electronics
	ON	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.
Reset	YES	Resetting and restoring settings to original
	N0	OSD defaults
Information		Showing the information of the main image source

## **Specifications**

Monitor	PRO MP341CQ, PRO MP341CQW
Size	34 inch
Curvature	1500R
Panel Type	VA
Resolution	3440 x 1440
Aspect Ratio	21:9
Brightness (nits)	300 (Typ.)
Contrast Ratio	3000:1
Refresh Rate	100Hz
Response Time	• 1ms (MPRT) • 4ms (GTG)
1/0	HDMI™ Connector x2     DisplayPort x1     Headphone Jack x1
View Angles	178°(H) , 178°(V)
DCI-P3*/ sRGB	91.96% / 116.25%
Surface Treatment	Anti-glare
Display Colors	1.07B (8bit + FRC)
Speaker	2 x 2W
Monitor Power Options	100~240Vac, 50~60Hz, 1.5A
Power Consumption	Power On < 60W Standby < 0.5W Power Off < 0.3W
Adjustment (Tilt)	-3.5° ~ 21.5°
Kensington Lock	Yes

Monitor		PRO MP341CQ, PRO MP341CQW		
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 H x D)	809.3 x 469.5 x 237 mm		
Weight		7.7 Kg (Net) 10.3 Kg (Gross)		
Environment Operating  Storage		<ul> <li>Temperature: 0°C ~ 40°C</li> <li>Humidity: 20% ~ 90%, non-condensing</li> <li>Altitude: 0 ~ 5000m</li> </ul>		
		• Temperature: -20°C ~ 60°C • Humidity: 10% ~ 90%, non-condensing		

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

## **Preset Display Modes**



All information is subject to change without prior notice.

Standard	Resolution		HDMI™	DP
VGA	640x480	@60Hz	٧	V
		@67Hz	٧	V
		@72Hz	٧	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
		@100Hz		V
WQHD	3440x1440	@50Hz	V	
		@60Hz	V	V
		@100Hz	V	V
Video	480P		V	V
Timing Resolution	720P		V	V
Resolution	1080P	@60Hz	V	V
	2560x1080P	@60Hz	V	V
	2160P	@30Hz	٧	
		@50Hz	٧	
		@60Hz	٧	

## **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

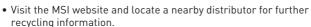
As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

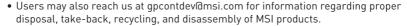
#### **Green Product Features**

- 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





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.