



***msi***<sup>®</sup>



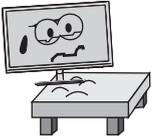
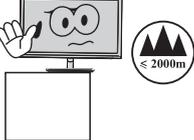
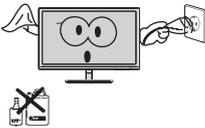
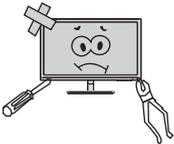


# *Optix G27C2*

MSI GAMING MONITOR User's Manual



# I.Safety Prevention Measures

			
<p>Please always place this device on a stable surface; otherwise, it may fall and be damaged.</p>	<p>The altitude and the tropical environment the adapter fits depend on which adapter is used for the device. The rating plate on the back of the device with the above warning sign indicates that this product is applicable for the safe use of the region with altitude of 2,000m and below.</p>	<p>Do not hold the plug with wet hand; otherwise, electric shock may occur. Make sure the plug has a good touch because poor touch may cause fire.</p>	<p>Do not use a broken power plug nor keep a power cord near heat source; otherwise, electric shock or fire may occur.</p>
			
<p>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, be sure not to let water enter the device.</p>	<p>Do not disassemble this device without permission. In case of failure, be sure to contact a professional servicing person to fix it. The authorized disassembly of this device may result in electric shock or fire.</p>	<p>In case of rare smell or noise out of this device, be sure to immediately cut off the power supply and ask a professional servicing person to fix the problem.</p>	<p>When this device is idle for long time, be sure to power it off; otherwise, electric shock or fire may occur.</p>

**Note:**

The device with AC switch may use such AC switch as cut-off component. The device without AC switch may use power plug or coupler as cut-off component. In case of the normal use of the equipment, make sure the cut-off component can be accessed easily.

## II. Installation Instructions

### 1. Accessories

Power cord



Base/Stand



Signal cable



Warranty card



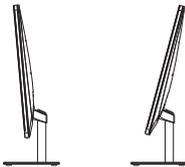
User manual



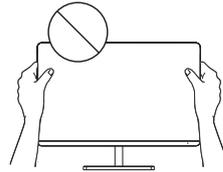
(The above pictures are for illustration only and the physical accessories shall govern.)

### 2. Angle Adjustment

2.1 The screen can be adjusted by inclining forward and backward; however, the specific adjustment depends on the specific model of the device. Generally, it may be inclined  $5\pm 2^\circ$  forward and  $15\pm 2^\circ$  backward.

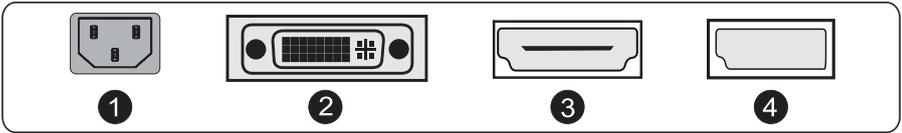


2.2 When adjusting the angle of the monitor, be sure not to touch or press the area of the screen.

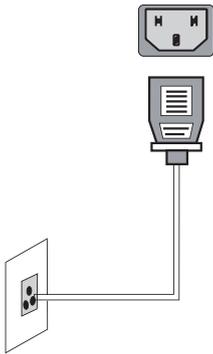


(The above pictures are for illustration only and the physical accessories shall govern.)

### III. Connect the Monitor to PC



**⚠** Before connecting the LCD monitor to PC, please power the PC and the monitor



Model with inbuilt power supply

\* Warning: Always use the power cord of standard configuration.

**1** Power Plug  
Connect the power cord of the monitor into the POWER port in the back of the monitor.

**2** DVI Port  
Connect the DVI cable into the DVI IN port in the back of the monitor (this needs the support of the monitor).



**3** HDMI Port  
Connect the HDMI cable into the HDMI IN port into the back of the monitor (this needs the support of the monitor).



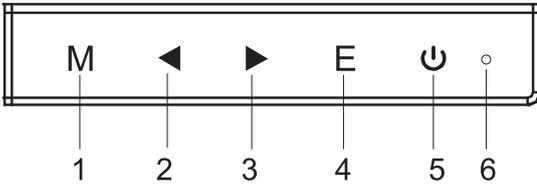
**4** DP Port  
Connect the DP cable into the DP IN port of the monitor (this needs the support of the monitor).



(The above pictures are for illustration only and the physical accessories shall govern.)

## IV. User Setup

### 1. Schematic Diagram of Keys



### 2. Description of Keys' Functions

1.	M	Pops up the menu/Backs to the previous menu (in case of main menu, exits from the whole menu).
2.	◀	When the menu is activated, used as the left function selection key, and decreases progressively the value of the progress bar; when the menu is inactivated, used as the specified shortcut mode hot key (for sighting device).
3.	▶	When the menu is activated, used as the right function selection key, and increases progressively the value of the progress bar; when the menu is inactivated, used as the specified shortcut mode hot key (FPS/RTS mode).
4.	E	If the menu is activated, chooses the corresponding function.
5.	⏻	Power switch: Powers on/off the monitor.
6.	LED indicator light	Blue: in normal switch-on state; flickering in blue: in power-saving state.

Note: The physical keys of the specific model shall govern.

# V. Operation Menu (OSD) Function Descriptions

Main Menu Item	Main Menu Icon	Submenu Item	Main Menu Icon	Submenu Options	Main Menu Icon	Description	
Brightness		NONE	NONE	NONE	NONE	Adjust display brightness	
Contrast		NONE	NONE	NONE	NONE	Adjust display contrast	
DCR		On		NONE	NONE	Activate dynamic contrast	
		Off		NONE	NONE	Inactive dynamic contrast	
		Return		NONE	NONE	Return to the previous menu	
		Exit		NONE	NONE	Exit from the whole menu	
Mode		Standard		NONE	NONE	Normal work mode	
		Movie		NONE	NONE	Movie mode	
		FPS		NONE	NONE	FPS game mode	
		RTS		NONE	NONE	RTS game mode	
		EyeSaver		NONE	NONE	Eye protection ray filter application mode	
		Return		NONE	NONE	Return to the previous menu	
Color Temp.		Cool		NONE	NONE	Set as cold color temperature	
		Warm		NONE	NONE	Set as warm color temperature	
		User		Red		NONE	Fine tuning of red color temperature
				Green		NONE	Fine tuning of green color temperature
				Blue		NONE	Fine tuning of blue color temperature
		Return		NONE	NONE	Return to the previous menu	
Exit		NONE	NONE	Exit from the whole menu			
Aspect		Auto		NONE	NONE	Automatically adjust picture aspect ratio	
		16:9		NONE	NONE	Picture in 16:9 mode	
		4:3		NONE	NONE	Picture in 4:3 mode	
		Return		NONE	NONE	Return to the previous menu	
		Exit		NONE	NONE	Exit from the whole menu	
Input		DVI		NONE	NONE	DVI (digital) signal input	
		HDMI		NONE	NONE	HDMI (digital) signal input	
		DisplayPort		NONE	NONE	Display port (digital) signal input	
		Return		NONE	NONE	Return to the previous menu	
		Exit		NONE	NONE	Exit from the whole menu	
Adjust		Gamma		Gamma1		Adjust color tone brightness grey 1	
				Gamma2		Adjust color tone brightness grey 2	
				Return		Return to the previous menu	
				Exit		Exit from the whole menu	

Main Menu Item	Main Menu Icon	Submenu Item	Main Menu Icon	Submenu Options	Main Menu Icon	Description		
Other		Language		English		English		
				Française		Française		
				Deutsch		Deutsch		
				Italiano		Italiano		
				Español		Español		
				繁中		繁體中文		
				Return		Return to the previous menu		
				Exit		Exit from the whole menu		
		Power Off		On		Automatically turn off after saving power for 1min		
				Off		Inactivate the function of timed switch-off		
				Return		Return to the previous menu		
				Exit		Exit from the whole menu		
		Reset		YES		Reset to factory setup		
				NO		Exit from this function		
				Return		Return to the previous menu		
				Exit		Exit from the whole menu		
		Over driver		Off		Normal mode		
				Normal		OD general mode, reduce motion blur		
				Extreme		OD extra-high mode, reduce motion blur		
				Return		Return to the previous menu		
				Exit		Exit from the whole menu		
		FreeSync		On		Activate FreeSync function, Only support AMD display (this needs the support of the monitor)		
				Off		Inactivate FreeSync function (this needs the support of the monitor)		
				Return		Return to the previous menu		
				Exit		Exit from the whole menu		
				Return		NONE	NONE	Return to the previous menu
		Exit		NONE	NONE	Exit from the whole menu		
		Exit		NONE	NONE	NONE	NONE	Exit from the whole menu

Note: The functions may be adjusted due to specific model or the upgrade of software version. The physical model shall govern.

## VI. FAQ

Faults occurring	Possible solutions
The power indicator light is not on	<ul style="list-style-type: none"> <li>◆ Check if the power is on.</li> <li>◆ Check if the power cord is connected.</li> </ul>
Impossible plug-and-play	<ul style="list-style-type: none"> <li>◆ Check if the function of plug-and-play of the device is compatible with PC.</li> <li>◆ Check if the display card is compatible with the plug-and-play function.</li> </ul>
Dimming picture	<ul style="list-style-type: none"> <li>◆ Adjust brightness and contrast.</li> </ul>
Flickering picture or picture with ripples	<ul style="list-style-type: none"> <li>◆ There may be electrical appliances or equipment with electronic disturbance.</li> </ul>
The power indicator light is on (flickering), but the monitor has no pictures.	<ul style="list-style-type: none"> <li>◆ Check if the PC power is on.</li> <li>◆ Check if the PC display card is inserted properly.</li> <li>◆ Check if the signal cable of the monitor is correctly connected with the PC.</li> <li>◆ Check the signal cable plug of the monitor and make sure every pin has no bending.</li> <li>◆ Observe the indicator light by pressing the Caps Lock key on the PC keyboard and check if the PC is working.</li> </ul>
Color shortage (red, green and blue)	<ul style="list-style-type: none"> <li>◆ Check the signal cable of the monitor and make sure every pin has no bending.</li> </ul>
Picture with color difference (white looks not white)	<ul style="list-style-type: none"> <li>◆ Adjust RGB color or reselect color temperature.</li> </ul>
<p>Please confirm the default values of the output dynamic range and the pixel format in the graphics Settings is "all". when the brightness of the screen is higher than usual.</p>	

## VII. Product Specifications

Diagonal dimensions	Picture aspect ratio	Picture dimensions (mm)	Dot distance (mm)	Optimal resolution
60cm(23.6")	16:9	521.4*293.28	0.272	1920*1080
68.6cm(27")	16:9	597.9*336.3	0.3114	1920*1080
80.0cm(31.5")	16:9	698.4*392.85	0.3637	1920*1080
Ambient temperature	Storage temperature	-20°C to 60°C		
	Working temperature	0°C to 40°C		
Humidity	RH for operation	80%		

Note: The actual application of the above parameters shall be subject to the specific model.

## VIII. Table of Product Preset Modes

In DVI/DP connection mode

Display dimensions	Preset resolution/Refresh rate												
	Aspect ratio	720X400 (70Hz)	640X480 (60/75/ 72.8Hz)	800X600 (60/70/75/ 120/144Hz)	1024X768 (60/70/75/ 120/144Hz)	1280X800 (60/120/ 144Hz)	1280X1024 (60/75/120/ 144Hz)	1360X768 (60/120/ 144Hz)	1440X900 (60/120/ 144Hz)	1600X900 (60/120/ 144Hz)	1680X1050 (60/120/ 144Hz)	1920X1080 (60/120/ 144Hz)	1920X1200 (60/120/ 144Hz)
23.6" / 27" / 31.5"	16:9	○	○	○	○	○	○	X	○	X	○	○	X

Remark: When the resolution are 2560\*1440@60Hz/3440\*1440@60Hz/1920\*1080@144Hz/2560\*1440@144Hz/3840\*2160@30Hz connection via DVI port, pls choose 24+1 pin double - channel DVI cables.

In HDMI connection mode

Display dimensions	Preset resolution/Refresh rate												
	Aspect ratio	720X400 (70Hz)	640X480 (60/75/ 72.8Hz)	800X600 (60/70/75/ 120Hz)	1024X768 (60/70/75/ 120Hz)	1280X800 (60/120Hz)	1280X1024 (60/75/ 120Hz)	1360X768 (60/120Hz)	1440X900 (60/120Hz)	1600X900 (60/120Hz)	1680X1050 (60/120Hz)	1920X1080 (60/120Hz)	1920X1200 (60/120Hz)
23.6" / 27" / 31.5"	16:9	○	○	○	○	○	○	X	○	X	○	○	X

Note: "O" indicates the corresponding resolution/refresh rate is supported.  
"X" indicates the corresponding resolution/refresh rate is not supported.

Note: The actual application of the above parameters shall be subject to the specific model.