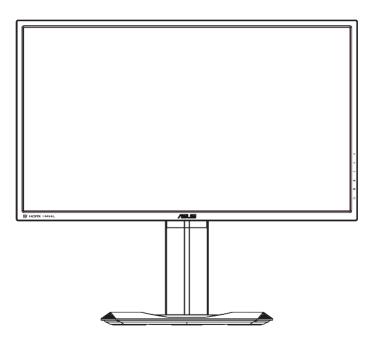


# MG279 Series LCD Monitor

# **User Guide**





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## Notices

## Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

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 manufacturer's instructions, 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 following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



As an Energy Star<sup>®</sup> Partner, our company has determined that this product meets the Energy Star<sup>®</sup> guidelines for energy efficiency.

## **Canadian Department of Communications Statement**

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

## Made In China

## Safety information

- Before setting up the monitor, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the monitor to rain or moisture.
- Never try to open the monitor cabinet. The dangerous high voltages inside the monitor may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- Avoid dust, humidity, and temperature extremes. Do not place the monitor in any area where it may become wet. Place the monitor on a stable surface.
- Unplug the unit during a lightning storm or if it will not be used for a long period of time. This will protect the monitor from damage due to power surges.
- Never push objects or spill liquid of any kind into the slots on the monitor cabinet.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100 ~ 240V AC.
- The socket-outlet shall be installed near the equipment and shall be easily accessible
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.
- Provide an earthing connection before the mains plug is connected to the mains. And, when disconnecting the earthing connection, be sure to disconnect after pulling out the mains plug from the mains.

### WARNING

Usage of other than specified head- or earphones can result in hearing loss due to excessive sound pressures.

## Care & Cleaning

- Before you lift or reposition your monitor, it is better to disconnect the cables and power cord. Follow the correct lifting techniques when positioning the monitor. When lifting or carrying the monitor, grasp the edges of the monitor. Do not lift the display by the stand or the cord.
- Cleaning. Turn your monitor off and unplug the power cord. Clean the monitor surface with a lint-free, non-abrasive cloth. Stubborn stains may be removed with a cloth dampened with mild cleaner.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the LCD. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

### The following symptoms are normal with the monitor:

- The screen may flicker during the initial use due to the nature of the fluorescent light. Turn off the Power Switch and turn it on again to make sure that the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- When the same image is displayed for hours, an afterimage of the previous screen may remain after switching the image. The screen will recover slowly or you can turn off the Power Switch for hours.
- When the screen becomes black or flashes, or cannot work anymore, contact your dealer or service center to fix it. Do not repair the screen by yourself!

### Conventions used in this guide



WARNING: Information to prevent injury to yourself when trying to complete a task.



CAUTION: Information to prevent damage to the components when trying to complete a task.



IMPORTANT: Information that you MUST follow to complete a task.



NOTE: Tips and additional information to aid in completing a task.

### Where to find more information

Refer to the following sources for additional information and for product and software updates.

### 1. ASUS websites

The ASUS websites worldwide provide updated information on ASUS hardware and software products. Refer to http://www.asus.com

### 2. Optional documentation

Your product package may include optional documentation that may have been added by your dealer. These documents are not part of the standard package.

## 1.1 Welcome!

Thank you for purchasing the ASUS® LCD monitor!

The latest widescreen LCD monitor from ASUS provides a crisper, broader, and brighter display, plus a host of features that enhance your viewing experience.

With these features, you can enjoy the convenience and delightful visual experience that the monitor brings you!

## 1.2 Package contents

Check your package for the following items:

- LCD Monitor
- Monitor Base
- Quick Start Guide
- Warranty Card
- 1x Power Cord
- ✓ 1x DP to mini-DP Cable
- 🗸 CD
- ✓ 1x MHL Cable (option)
- ✓ 1x USB Cable (option)
- ✓ 1x DisplayPort Cable (option)
- ✓ 1x HDMI Cable (option)

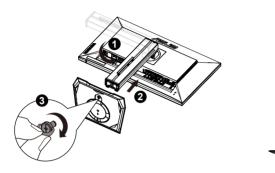


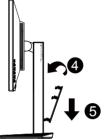
If any of the above items is damaged or missing, contact your retailer immediately.

## 1.3 Assembling the monitor

## To assemble the monitor:

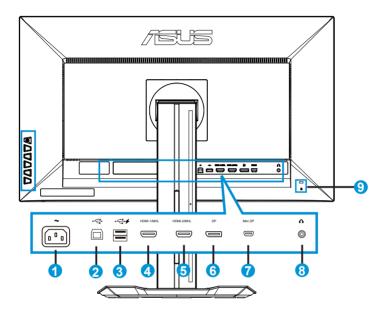
- 1. Place the display flat on a cloth on the table, assemble the base according to the drawing and use a coin to turn the screw tight.
- 2. Put the cable clip inset the hole of stand, and adjust the monitor to the angle that is most comfortable for you.





## 1.4 Connect cables

## 1.4.1 Rear of the LCD monitor

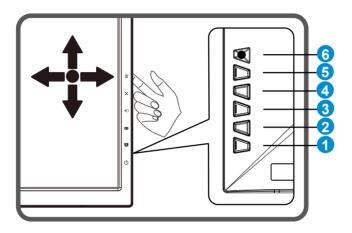


- 1. AC-IN Port
- 2. USB upstream Port
- 3. USB downstream Port
- 4. HDMI-1/MHL
- 5. HDMI-2/MHL
- 6. DisplayPort
- 7. Mini-DP
- 8. Earphone Jack
- 9. Kensington Lock

## 1.5 Monitor introduction

## 1.5.1 Using the Controls button

Use the control button on the back of the monitor to adjust the image settings.



- 1. **U** Power Button/Power Indicator:
  - Press this button to turn the monitor on/off.
  - The color definition of the power indicator is as the below table.

Status	Description
White	ON
Amber	Standby mode
OFF	OFF

## 2. GameVisual:

- Press this hotkey to switch from six video preset modes (Scenery Mode, Racing Mode, Cinema Mode, RTS/RPG Mode, FPS Mode, and sRGB Mode) with GameVisual <sup>™</sup> Video Intelligence Technology.
- 3. ••• GamePlus:
  - Activate Crosshair or Timer function
  - Move the  $\overline{\equiv}(\boxtimes)$  button up/down to select and press  $\overline{\equiv}(\boxtimes)$  to confirm the function needed.

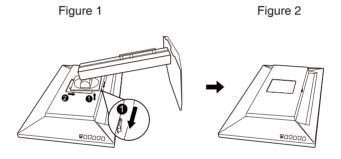
- 4. 🔁 Input Select Button:
  - Use this hotkey to switch from HDMI-1 / MHL, HDMI-2/MHL, Mini-DP or DisplayPort input signal.
- 5. X Close Button
  - Exit the OSD menu.
- 6. **Ξ**(🖾 5-way) Button:
  - Tums on the OSD menu. Enacts the selected OSD menu item.
  - Increases/Decreases values or moves your selection up/down/ left/right.

# 2.1 Detaching the Quick Release stand (for VESA wall mount)

The Quick Release Stand of this monitor is specially designed for VESA wall mount.

### To detach the Quick Release stand

- 1. Disconnect power and signal cables. Carefully put the front of the monitor face down on a clean table.
- 2. Use a screwdriver to remove the four screws on the arm (Figure 1), and then detach the arm/stand from the monitor (Figure 2).
  - We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.
    - Hold the stand of the monitor while removing the screws.

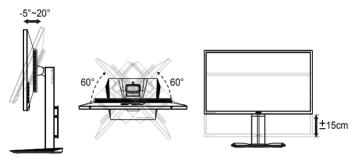




- The VESA wall mount kit (100 x 100 mm) is purchased separately.
- Use only the UL Listed Wall Mount Bracket with minimum weight/load 28.8 kg (Screw size: M4 x 10 mm).

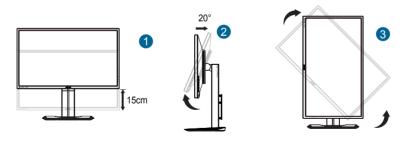
## 2.2 Adjusting the monitor

- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- You can adjust the monitor's angle from +20° to -5° and it allows 60° swivel adjustment from either left or right. You can also adjust the monitor's height within +/- 15cm.



### **Pivoting the monitor**

- 1. Lift the monitor to the highest position.
- 2. Tilt the monitor to its maximum angle.
- 3. Pivot the monitor clockwise to the angle you need.





It is normal that the monitor slightly shakes while you adjust the viewing angle.

## 3.1 OSD (On-Screen Display) menu

## 3.1.1 How to reconfigure



- 1. Press the MENU button to activate the OSD menu.
- Press the ▼ and ▲ buttons to toggle between options in the Menu. As you move from one icon to another, the option name is highlighted.
- 3. To select the highlighted item on the menu press the Center key.
- 4. Press the  $\mathbf{\nabla}$  and  $\mathbf{\Delta}$  buttons to select the desired parameter.
- Press the Center key to enter the slide bar and then use the ▼ or ▲ buttons, according to the indicators on the menu, to make your changes.
- 6. Press the ◀ / ► to move left / right menu.

## 3.1.2 OSD Function Introduction

### 1. GameVisual

This function contains six sub-functions that you can select for your preference. Each mode has the Reset selection, allowing you to maintain your setting or return to the preset mode.

		MG279 Racing Mode DisplayPort 2560x1440@60Hz
G GameVisual >	Scenery Mode	
·• Blue Light Filter	Racing Mode	
L Color	Cinema Mode	
🔝 Image	RTS/RPG Mode	
➔ Input Select	FPS Mode	
🔀 System Setup	sRGB Mode	
★ MyFavorite		

- Scenery Mode: This is the best choice for scenery photo displaying with GameVisual™ Video Intelligence Technology.
- **Racing Mode**: This is the best choice for racing game playing with GameVisual<sup>™</sup> Video Intelligence Technology.
- **Cinema Mode**: This is the best choice for movie watching with GameVisual<sup>™</sup> Video Intelligence Technology.
- RTS/RPG Mode: This is the best choice for Real-Time Strategy(RTS)/ Role-Playing Game(RPG) playing with GameVisual<sup>™</sup> Video Intelligence Technology.
- **FPS Mode:** This is the best choice for First Person Shooter game playing with GameVisual<sup>™</sup> Video Intelligence Technology.
- **sRGB Mode**: This is the best choice for viewing photos and graphics from PCs.

- In the Racing Mode, the Saturation, SkinTone, Sharpness, and ASCR functions are not user-configurable.
- In the sRGB, the Saturation, Color Temp., SkinTone, Sharpness, Brightness, Contrast and ASCR functions are not user-configurable.

### 2. Blue Light Filter

Adjust the energy level of blue light emitted from LED backlight

		MG279 Racing Mode DisplayPort 2560x1440@60Hz
G GameVisual	Level 0	•
· 🔆 Blue Light Filter 🔰	Level 1	>
L Color	Level 2	
🔁 Image	Level 3	
Input Select	Level 4	
🔀 System Setup		
★ MyFavorite		
·		1

- Level 0: No change.
- Level 1~4: The higher the level, the more blue light will be reduced.



- When Blue Light Filter is activated, the default settings of Racing Mode will be automatically imported.
- Between Level 1 to Level 3, the Brightness function is user-configurable.
- Level 4 is optimized setting. It is compliance with TUV Low Blue Light Certification. The Brightness function is not user-configurable.

### 3. Color

Select the image color you like from this function.



- Brightness: The adjusting range is from 0 to 100.
- Contrast: The adjusting range is from 0 to 100.
- **Saturation**: The adjusting range is from 0 to 100.
- Color Temp.: Contains three preset color modes (Cool, Normal, Warm) and User Mode.
- Skin Tone: Contains three color modes including Reddish, Natural, and Yellowish.



In the User Mode, colors of R (Red), G (Green), and B (Blue) are userconfigurable; the adjusting range is from 0 ~ 100.

### 4. Image

You can adjust the image Sharpness, Trace Free, Aspect Control, VividPixel, ASCR and FreeSync, from this main function.

	F	MG279 Racing Mode DisplayPort 2560x1440 @ 60Hz
G GameVisual	Sharpness	•
·• Blue Light Filter	Trace Free	>
L Color	Aspect Control	 
🖾 Image 🔶	VividPixel	
➔ Input Select	ASCR	
🔀 System Setup	FreeSync	
★ MyFavorite		

- **Sharpness**: Adjusts the picture sharpness. The adjusting range is from 0 to 100.
- **Trace Free:** Speeds up the response time by Over Drive technology. The adjusting range is from lower 0 to faster 100.
- Aspect Control: Adjusts the aspect ratio to "Full", "4:3", "1:1", "Overscan".
- **VividPixel:** ASUS Exclusive Technology that brings lifelike visuals for crystal-clear and detail-oriented enjoyment. The adjusting range is from 0 to 100.
- ASCR: Select ON or OFF to enable or disable dynamic contrast ratio function.
- FreeSync (DP/Mini-DP only): It can allow a FreeSync supported\* graphics source to dynamically adjust display refresh rate based on typical content frame rates for power efficient, virtually stutter free and low-latency display update.

- 4:3 is only available when input source is in 4:3 format. OverScan is only available for the HDMI input source.
- FreeSync only can be activated within "35Hz ~ 90Hz".
- FreeSync supported AMD GPUs: Radeon R9 295X2, R9 290, and R9 285 graphics cards.
- For other supported GPUs, minimum PC system and driver requirements, please contact the GPU manufactures.

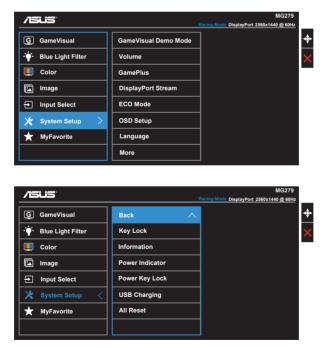
### 5. Input Select

Select the input source from HDMI/MHL-1, HDMI/MHL-2, DisplayPort or Mini DisplayPort input signal.

/15U5		MG279 Racing Mode DisplayPort 2560x1440 @ 60Hz
G GameVisual	HDMI/MHL-1	
•• Blue Light Filter	HDMI/MHL-2	>
Lolor	DisplayPort 🗸	
Image	Mini DisplayPort	
➔ Input Select >		
🔀 System Setup		
★ MyFavorite		

### 6. System Setup

Adjusts the system configuration.

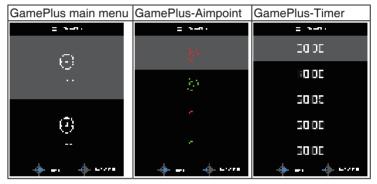


- **GameVisual Demo Mode:** Activate the demo mode for the GameVisual function.
- Volume: Adjusts the output volume level.
- GamePlus: The GamePlus Function provides a toolkit and creates a better gaming environment for users when playing different types of games. Particularly, Aimpoint function is specially designed for new gamers or beginners interested in First Person Shooter (FPS) games.

To active GamePlus:

- Select **ON** to enter the GamePlus main menu.
- Press ▲ and ▼ to select between Aimpoint and Timer function.
- Press Center key to confirm the function you choose. Press 

   to go
   back. Press X to go off, and exit.



- **DisplayPort Stream**: Compatibility with graphic card. Select DP 1.1 or DP 1.2 by graphic card DP version.
- ECO Mode: Activate the ecology mode for power saving.
- OSD Setup: Adjusts the OSD Timeout, DDC/CI, and Transparency of the OSD screen.
- Language: Select OSD language. The selections are: English, French, German, Spanish, Italian, Dutch, Russian, Traditional Chinese, Simplified Chinese, Japanese, Persian, Thai, Indonesian, Poland, Turkey, Portugal, Czech, Croatia, Hungary, Romania, and Korean.
- More: Return the next page of System Setting.
- Back: Return the previous page of System Setting.
- **Key Lock**: Disable all key functions. Pressing the down key for more than five seconds to disable key lock function.
- **Information**: Displays the monitor information.
- Power Indicator: Turn the power LED indicator on/off.
- Power Key Lock: To disable / enable power key.

- **USB Charging**: Turn On/Off USB charging function during the standby mode.
- All Reset: Selects "Yes" to revert all settings to the factory default mode.

### 7. MyFavorite

Load/Save all settings on the monitor.

G GameVisual     Setting1     ✓     Load
Color Setting 3
Image         Setting 4
Input Select
🔆 System Setup
★ MyFavorite <

## 3.2 Specifications

Model	MG279Q	
Panel Size	27.0"W (68.47 cm)	
Max. Resolution	2560 x 1440	
Brightness (Typ.)	350cd/m <sup>2</sup>	
Intrinsic Contrast Ratio (Typ.)	≥1000:1	
Viewing Angle (CR>10)	178°(V) /178°(H)	
Display Colors	16.7 M(True 8bit)	
Response Time	4ms (GTG)	
Satellite Speaker	2W x 2 stereo	
Earphone Output	Yes	
HDMI/MHL input	Yes x 2	
Mini-DP input	Yes	
DisplayPort input	Yes	
USB 3.0 Hub	Yes (Upstream x 1, Downstream x 2)	
Power ON Consumption	< 38.7W*	
Chassis Colors	Black	
Power saving mode	< 0.5W	
Power off mode	< 0.5W	
Tilt	-5° ~ +20°	
Swivel(angle)	+60°~-60°	
Pivot(angle/direction)	90°(clockwise)	
Height Adjustment (mm)	Yes(0~150mm)	
VESA Wall Mounting	Yes (100mm x 100mm)	
Phys. Dimension (WxHxD)	625 x 559 x 238 mm	
Phys. Dimension w/o Stand (WxHxD)	625 x 368 x 63 mm	
Box Dimension (WxHxD)	753 x 452 x 224 mm	
Net Weight (Esti.)	7.3 kg	
Gross Weight (Esti.)	10.5 kg	
Voltage Rating	AC 100~240V(Built-in)	

Note:\*Based on Energy Star 6.0 standard

## 3.3 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	<ul> <li>Press the <sup>(1)</sup> button to check if the monitor is in the ON mode.</li> <li>Check if the power cord is properly connected to the monitor and the power outlet.</li> <li>Check Power Indicator function in main menu OSD. Select "ON" to turn on power LED.</li> </ul>
The power LED lights amber and there is no screen image	<ul> <li>Check if the monitor and the computer are in the ON mode.</li> <li>Make sure the signal cable is properly connected the monitor and the computer.</li> <li>Inspect the signal cable and make sure none of the pins are bent.</li> <li>Connect the computer with another available monitor to check if the computer is properly working.</li> </ul>
Screen image is too light or dark	<ul> <li>Adjust the Contrast and Brightness settings via OSD.</li> </ul>
Screen image bounces or a wave pattern is present in the image	<ul> <li>Make sure the signal cable is properly connected to the monitor and the computer.</li> <li>Move electrical devices that may cause electrical interference.</li> </ul>
Screen image has color defects (white does not look white)	<ul> <li>Inspect the signal cable and make sure that none of the pins are bent.</li> <li>Perform Reset via OSD.</li> <li>Adjust the R/G/B color settings or select the Color Temperature via OSD.</li> </ul>
No sound or sound is low	<ul> <li>Adjust the volume settings of both your monitor and computer.</li> <li>Make sure the computer sound card driver is properly installed and activated.</li> </ul>

## 3.4 Supported Timing List

## VESA/IBM Modes Support Timing(HDMI and DisplayPort inputs)

Resolution	Refresh Rate	Horizontal Frequency
640x350	70Hz	31.469kHz
640x480	60Hz	31.469kHz
640x480	67Hz	35kHz
640x480	75Hz	37.5kHz
720x400	70Hz	31.469kHz
800x600	56Hz	35.156kHz
800x600	60Hz	37.879kHz
800x600	72Hz	48.077kHz
800x600	75Hz	46.875kHz
832x624	75Hz	49.725kHz
848x480	60Hz	31.02kHz
1024x768	60Hz	48.363kHz
1024x768	70Hz	56.476kHz
1024x768	75Hz	60.023kHz
1152x864	75Hz	67.5kHz
1280x720	60Hz	44.772kHz
1280x800	60Hz	49.702kHz
1280x960	60Hz	60kHz
1280x1024	60Hz	63.981kHz
1280x1024	75Hz	79.976kHz
1366x768	60Hz	47.712kHz
1440x900	60Hz	55.935kHz
1440x900	75Hz	49.725kHz
1680x1050	60Hz	65.29kHz
1680x1050	60Hz	64.674kHz
1920x1080	60Hz	67.5kHz
1920x1080	60Hz	66.587kHz

#### WQHD Mode

2560x1440	60Hz	88.787kHz
2560x1440(Only for DP)	120Hz	182.817kHz
2560x1440(Only for DP)	144Hz	221.97kHz

\* HDMI and DisplayPort, some graphics cards only support up to 1920 x 1200 resolution content transmission via HDMI. And some graphics cards can't support 1920x1080 100Hz/120Hz. Please check with your local distributor or retailer on the hardware limitations of your laptop or desktop.

## CEA-861 Formats Supported Timings (HDMI/MHL and DisplayPort input)

Resolution	Refresh Rate	Horizontal Frequency
640x480P	59.94 / 60Hz	31.469 / 31.5kHz
720x480P	59.94 / 60Hz	31.469 / 31.5kHz
720x576P	50Hz	31.25kHz
1280x720P	50Hz	37.5kHz
1280x720P	59.94 / 60Hz	44.955 /45kHz
1440x480P	59.94 / 60Hz	31.469 / 31.5kHz
1440x576P	50Hz	31.25kHz
1920x1080P	50Hz	56.25kHz
1920x1080P	59.94 / 60Hz	67.433 / 67.5kHz

\* The modes not listed in the above tables may not be supported. For optimal resolution, we recommend that you choose a mode listed in the above tables.