ROG STRIX XG27UCMG GAMING MONITOR

USER GUIDE

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

ASUS

First Edition

April 2026

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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 the 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 into 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.



The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

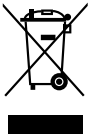
This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Réglement sur le matériel brouiller du Canada.

Declaration of 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), REGULATION (EU) 2024/1781 and RoHS directive (2011/65/EU). This product has been tested and found to comply with the harmonized standards for Information Technology Equipment, these harmonized standards published under Directives of Official Journal of the European Union.

WEEE Symbol Statement



The Waste Electrical and Electronic Equipment (WEEE) Directive (Directive 2012/19/EU) is a European Union law that aims to reduce the environmental impact of electrical and electronic equipment. It mandates producers to take responsibility for the end-of-life management of their products, promoting collection, treatment, and recycling to minimize waste and encourage resource recovery.

Do not throw your Electronic and electrical equipment in municipal waste.

The symbol of the crossed-out wheeled bin on the product or packaging indicates that this product (including any batteries it contains), must not be disposed of with your household waste.

To prevent potential harm to the environment and human health, a collection framework should be used to return, recycle, and recover waste electrical and electronic equipment (WEEE), and this product has been designed to enable the reuse of parts and facilitate the recycling of certain materials.

Improper disposal may involve risks due to the presence of hazardous substances within electrical and electronic equipment, such as lead and BFR and other harmful components.

Check your local recycling services for electronic products.

(https://esg.asus.com/en/circular-economy/resource-regeneration/global-take-back-service)

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.
- Adjustment of the volume control as well as the equalizer to other settings than the center position may increase the ear-/headphones output voltage and therefore the sound pressure level.
- Please confirm the distribution system in building installation shall provide the circuit breaker rated 120/240V, 20A (maximum).

- If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.

Stability Hazard

- The product may fall, causing serious personal injury or death. To prevent injury, this product must be securely attached to the floor/wall in accordance with the installation instructions.
- A product may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:
- ALWAYS use cabinets or stands or installation methods recommended by the manufacturer of the product set.
- ALWAYS use furniture that can safely support the product.
- ALWAYS ensure the product is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the product or its controls.
- ALWAYS route cords and cables connected to your product so they cannot be tripped over, pulled or grabbed.
- NEVER place a product in an unstable location.
- NEVER place the product on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the product to a suitable support.
- NEVER place the product on cloth or other materials that may be located between the product and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the product or furniture on which the product is placed.
- If the existing product is going to be retained and relocated, the same considerations as above should be applied.

ASUS CONTACT INFORMATION

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Fax +1-510-608-4555
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Online Contact http://www.asus.de/sales

Technical Support

Telephone +49-1805-010923
Support Fax +49-2102-959911
Online Support http://support.asus.com/

WARNING

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

Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphones and headphones output voltage and therefore the sound pressure level.

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new once, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

Restriction on Hazardous Substances statement (India)

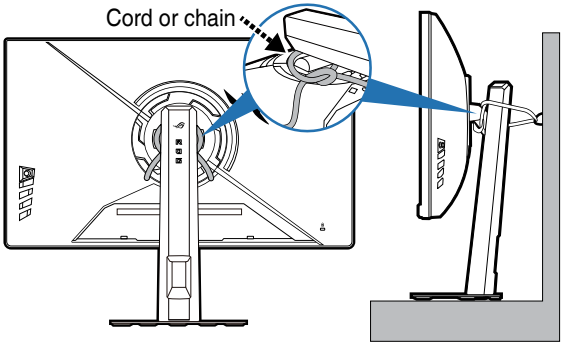
This product complies with the “India E-Waste (Management) Rules, 2016” and prohibits use of Lead, Mercury, Hexavalent Chromium, polybrominated biphenyls(PBBs) and polybrominated diphenyl ethers(PBDEs) in concentration exceeding 0.1% by weight in homogenous materials and 0.01% by weight in homogenous materials for cadmium, except of exemptions listed in Schedule 2 of the Rule.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

EAC

Prevent Tipping

When using the display, fasten the monitor to a wall using a cord or chain that can support the weight of the monitor in order to prevent the monitor from falling.



- Display design may differ from those illustrated.
- Installing must be done by a qualified technician, and please contact your supplier for more information.
- For the models with net weight >=7kg. Please select the suitable way to prevent tipping.
- Tie the cord or chain to the stand and then fix it to the wall.

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 monitor. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

AEEE yönetmeliğine uygundur

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.

3. **About Flicker**
   https://www.asus.com/Microsite/display/eye_care_technology/

Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for our customers to be able to responsibly recycle our products, batteries and other components as well as the packaging materials.

Please go to http://csr.asus.com/english/Takeback.htm for detail recycling information in different region.

Product information for EU energy label

XG27UCMG

1.1 Welcome!

Thank you for purchasing the ROG gaming monitor!

The latest widescreen LCD monitor from ASUS provides a broader, brighter and crystal-clear 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 to you!

1.2 Package contents

Check your package for the following items:

- ✓ LCD monitor
- ✓ Monitor stand
- ✓ Monitor base
- ✓ Quick start guide
- ✓ Warranty card
- ✓ Power cord
- ✓ DisplayPort cable
- ✓ HDMI cable (optional)
- ✓ USB Type-B to Type-A cable
- ✓ ROG sticker
- ✓ ROG pouch



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



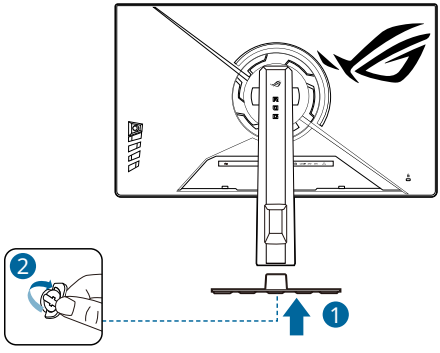
If you need to replace the power cord or the connection cable(s), please contact ASUS customer service.

1.3 Assembling the monitor

To assemble the monitor:

While assembling the monitor arm/base, we recommend that you keep the monitor inside its EPS (Expanded Polystyrene) packaging.

1. Insert the base into the arm.
2. Fix the base to the arm by fastening the bundled screw.



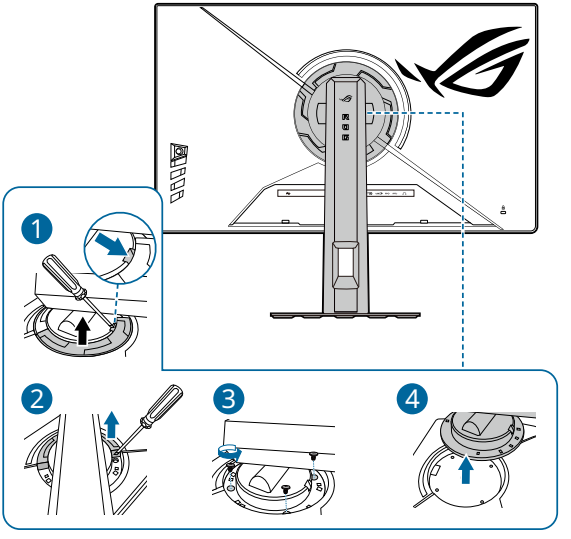
*Base screw size: M6 x 19 mm

1.4 Detaching the arm/stand (for VESA wall mount)

We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.

The detachable stand of this monitor is specially designed for VESA wall mount.

1. Have the front of the monitor face down on a table.
2. Remove the covers on where the monitor and the arm meet.
3. Loosen the four screws on the back of the monitor and remove the arm/ base.
4. Detach the stand (arm and base) from the monitor.

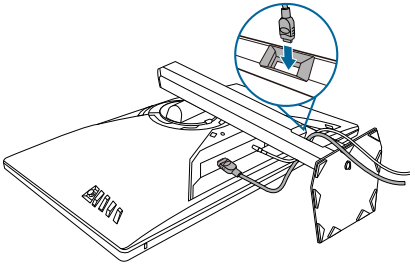


- The VESA wall mount kit (100 x 100 mm) is purchased separately.
- Use only the UL Listed Wall Mount Bracket with minimum weight/load 22.7kg (Screw size: M4 x 10 mm)

1.5 Cable management (include I/O port)

You can organize the cables with the help of the cable management hole.

- **Arranging the cables**



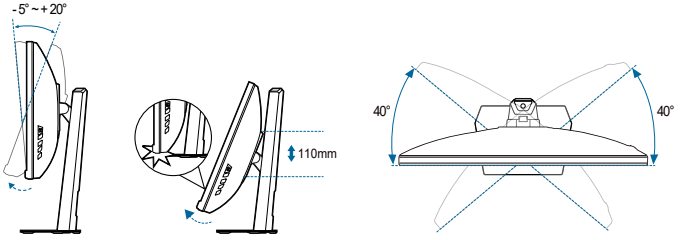
- **To connect the HDMI/DisplayPort/USB Type-C cable:**
  a. Plug one end of the HDMI/DisplayPort/USB Type-C cable to the monitor's HDMI/DisplayPort/USB Type-C jack.
  b. Connect the other end of the HDMI/DisplayPort/USB Type-C cable to your device's HDMI/DisplayPort/USB Type-C jack.
- **To use the USB 3.2 Gen 1 ports:**
  » Upstream: Take the USB cable, and plug the smaller end (Type-B) of the USB upstream cable to the monitor's USB upstream port, and the larger end (Type-A) to your computer's USB port. Make sure your computer is installed with the latest Windows 10/Windows 11 operating system. That will enable the USB ports on the monitor to work.
  » Downstream: Plug the USB Type-A cable of your device to the monitor's USB Type-A jack.

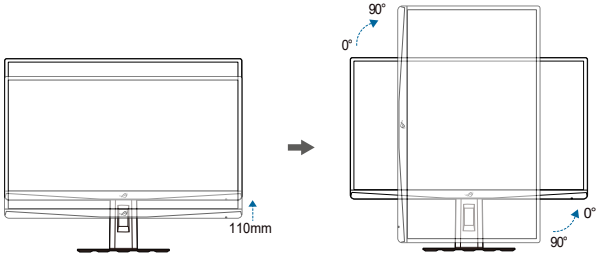
When these cables are connected, you can choose the desired signal from the Input Select item in the OSD menu.

If you need to replace the power cord or the connection cable(s), please contact ASUS customer service.

1.6 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.
- Adjust the monitor follow the pictures for the most comfortable viewing for you.



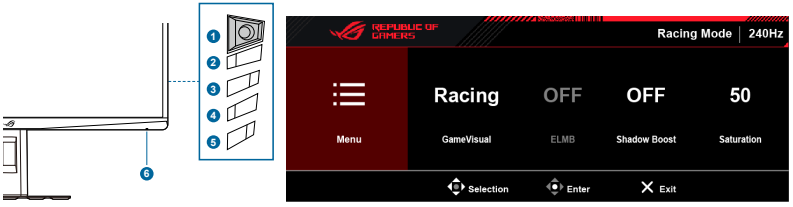


It is normal that the monitor slightly shakes while you adjust the viewing angle.

2.1 Monitor introduction

2.1.1 Front view

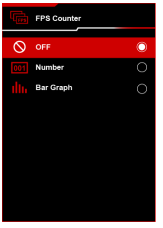
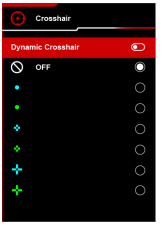
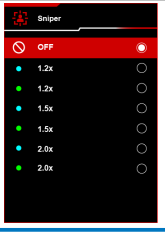
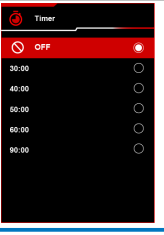
Use the control button on the back of the monitor to adjust the monitor settings.



1. ☰ (5-way) button:
   - Turns on the OSD menu. Enacts the selected OSD menu item.
   - Increases/Decreases values or moves your selection up/down/left/right.
   - Turns on the OSD menu when the monitor enters standby mode or displays the “NO SIGNAL“ message.
   - Move and hold the button downward for over 5 seconds to enable/disable the Key Lock function.
2. ✕ button
   - Exits the OSD menu item.
   - Turns on the OSD menu when the monitor enters standby mode or displays the “NO SIGNAL“ message.
3. ↗1 Shortcut 1 button:
   - Default: Triple Mode. Enables up to 1920 x 1080 @480Hz, 3840 x 2160 @240Hz or 2560 x 1440 @360Hz for ultra-smooth motion performance.
   - To change the shortcut function, go to the MyFavorite > Shortcut > Shortcut 1 menu.
   - Turns on the OSD menu when the monitor enters standby mode or displays the “NO SIGNAL“ message.
4. ↗2 Shortcut 2 button:
   - Default: GamePlus. The GamePlus Function provides a toolkit and creates a better gaming environment for users when playing different types of games. Particularly, Crosshair function is specially designed for new gamers or beginners interested in First Person Shooter (FPS) games.

To active GamePlus:

- Press GamePlus button to enter the GamePlusmain menu.
- Activate FPS Counter, Crosshair, Sniper, Timer, Stopwatch or Display Alignment function.
- Move the ☰ ◈ button up/down to select and press ☰ ◈ to confirm the function needed. Press ✕ to go off, and exit.
- FPS Counter/Crosshair/Timer/Stopwatch is movable by pressing ◈ 5-way key.

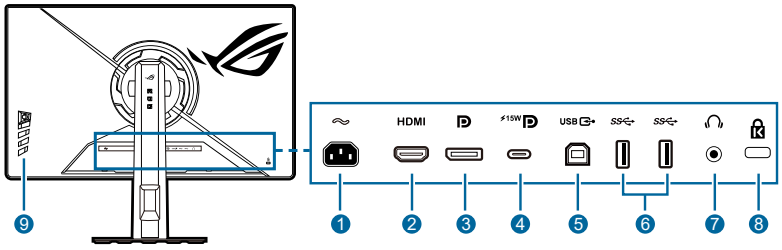
GamePlus Main Menu	GamePlus-FPS Counter	GamePlus-Crosshair
		
GamePlus-Sniper	**GamePlus-Timer**	
		

- To change the shortcut function, go to the MyFavorite > Shortcut > Shortcut 2 menu.
- Turns on the OSD menu when the monitor enters standby mode or displays the “NO SIGNAL“ message.

5. ⏻ Power button
   - Turns the monitor on/off.
6. Power indicator
   - The color definition of the power indicator is as the below table.

Status	Description
White	ON
Amber	Standby mode/No signal
OFF	OFF

2.1.2 Back view



1. **AC-IN port.** This port connects the power cord.
2. **HDMI port.** This port is for connection with an HDMI compatible device.
3. **DisplayPort**. This port is for connection with a DisplayPort compatible device.
4. **USB 3.2 Gen 1 Type-C (supports DP Alt mode)**. This port is for connection with a DisplayPort/USB Type-C compatible device. This port is also for connection with a USB Type-C cable, which supports USB power delivery (depending on the signal source).

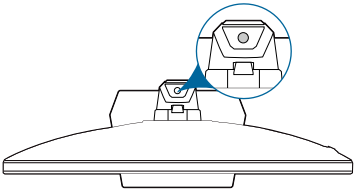
The monitor is Super-Speed USB 3.2 Gen 1 compatible (5Gbps). The port offers 15W power delivery with output voltage of 5V/3A.

5. **USB 3.2 Gen 1 Type-B**. This port is for connection with a USB upstream cable. The connection enables the USB ports on the monitor.
6. **USB 3.2 Gen 1 Type-A**. These ports are for connection with USB devices, such as USB keyboard/mouse, USB flash drive, etc.
7. **Earphone jack.** This port is only available when an HDMI/DisplayPort/USB Type-C cable is connected.
8. **Kensington lock slot.**
9. **Control buttons.**

2.1.3 Other Function(s)

- Tripod socket atop

1/4-inch tripod socket on the monitor stand allows you to mount a camera, audio equipment or additional display.



- HDR

The monitor supports HDR format.

- When displaying HDR content, the following function(s) are not available: **ELMB**, **ELMB SYNC**, **ELMB Setup**, **Sniper**, **GameVisual**, **Shadow Boost**, **Brightness**, **Contrast**, **Aspect Control, ASCR, Blue Light Filter**, **Display Color Space**, **Color Temp.**, **Saturation**, **Six-axis Saturation**.,**Gamma**, **Power Saving Mode**.
- When **Adjustable HDR** is enabled, the following function(s) can be adjusted: **Brightness**, **Contrast**, **Color Temp.**, **Saturation**, **Six-axis Saturation**, **VividPixel**, **Smart Pixel**.

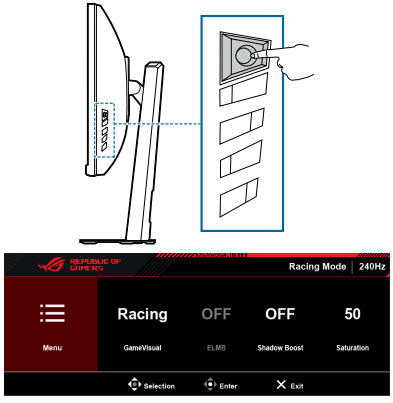
3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure

The 5-way controller is located at the rear of the monitor. While sitting in front of the monitor, move the controller in the directions instructed by the on-screen icons for menu navigation and operations.

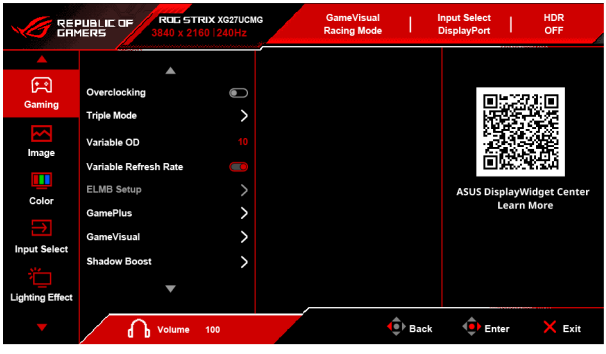
Press the (5-way) button to activate the OSD Quick Menu.

When the Quick Menu is activated:



- When the Quick Menu is activated

OSD (On Screen Display) icon	5-way controller operation	Function
Quick Menu	Move left/right	Switches to the previous/next menu setting.
	Move up/down	• Selects the previous/next menu item. • Selects the desired parameter.
	Press (center)	Confirms the selection.



- When the Menu is activated:

OSD (On Screen Display) icon	5-way controller operation	Function
Menu	Move up/down	• Selects the previous/next menu item. • Selects the desired parameter.
	Move left/right	Switches to the left/right menu.
	Press (center)	Confirms the selection.

Customizing the **Quick Menu**

The **Quick Menu** contains four customizable shortcuts that allow fast access to frequently used settings. You may change these shortcuts as desired.

1. Press the 5-way controller to bring up the Quick Menu.
2. Navigate to Menu > **MyFavorite** > **Quick Menu**.
3. Select **Mode 1**, **Mode 2**, **Mode 3**, or **Mode 4** to set a function.

Available functions include:

- **GameVisual**
- **ELMB**
- **Shadow Boost**
- **Saturation**
- **Brightness**
- **Variable Refresh Rate**
- **Contrast**
- **Input Select**
- **Gamma**
- **VividPixel**
- **Variable OD**
- **Color Temp.**

-To keep the Quick Menu shorter, select None to hide that shortcut.

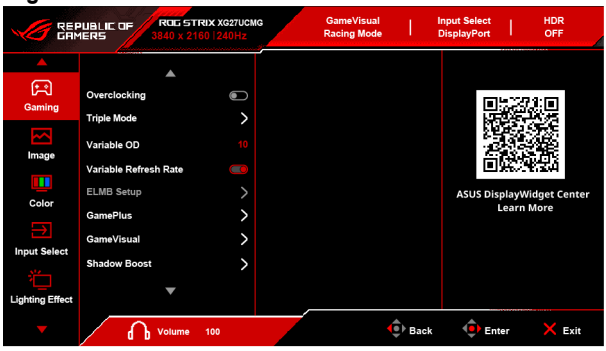
-Do not select the same function for multiple positions.

-A shortcut will appear grayed out if it is not supported under the current mode.

3.1.2 OSD function introduction

Set the **Power Setting** to **Performance Mode** to enable the function.

1. Gaming



Menu option		Description	Remark
Overclocking	ON / OFF	Enabling overclocking allows the monitor to reach its maximum supported refresh rate (Balanced: 3840 x 2160 @240Hz, Turbo: 2560 x 1440 @400Hz, or Hyper: 1920 x 1080 @488Hz), delivering smoother and more responsive visuals.	1. Overclocking may cause screen flickering. To reduce such effects, disconnect the cable and use the monitor's OSD to try again with a safer Max.- Refresh Rate. 2. Overclocking ability is dependent on the graphics card.
Triple Mode	Balanced	Enables up to 3840 x 2160 @240Hz for ultra-smooth motion performance.	
	Turbo	Enables up to 2560 x 1440 @400Hz for ultra-smooth motion performance.	
	Hyper	Enables up to 1920 x 1080 @488Hz for ultra-smooth motion performance.	
Variable OD	0- 20	Improves screen response time with 20 adjustable Over Drive levels, making fastmoving scenes look sharper and smoother.	
Variable Refresh Rate	ON / OFF	Works with Adaptive-Sync, G-Sync compatible, and FreeSync graphics sources to dynamically match the display's refresh rate to content frame rates. This reduces stutter and input lag while saving power.	1. Variable Refresh Rate range depends on Triple Mode: - Balanced@240Hz: 48–240Hz). - Turbo@360Hz: 48–360Hz (Triple Mode: OFF), up to 400Hz (Overclocking: ON). - Hyper@480Hz: 48–480Hz (Triple Mode: OFF), up to 488Hz (Overclocking: ON).

<table>
<tr><th>Menu option</th><th></th><th>Description</th><th>Remark</th></tr>
<tr><td rowspan="4">ELMB Setup</td><td>ELMB</td><td rowspan="4">The ELMB Setup menu allows users to configure motion blur reduction features for fast-moving content. It includes ELMB and ELMB SYNC, depending on the input signal and refresh rate conditions.

<u>ELMB</u>
ELMB eliminates screen tearing, reduces ghosting, and minimizes motion blur during gameplay.

<u>ELMB SYNC</u>
ELMB SYNC allows you to enable motion blur reduction while Variable Refresh Rate (VRR) is ON.
It helps eliminate screen tearing, reduce ghosting, and minimize motion blur during fast-paced gameplay.

<u>Clarity Level</u>
Adjusts the sharpness level of the ELMB effect.
There are 5 clarity levels available, allowing you to fine-tune motion clarity based on your preference.

<u>Clarity Position</u>
Adjusts where the blurring reduction effect appears on screen.
Choose from 3 levels — Top, Middle, or Bottom — to match different types of content.</td><td>1.To activate ELMB, turn off Variable Refresh Rate first.
2.Requires a refresh rate higher than 100Hz.
3.When ELMB is enabled, the following functions will be unavailable: Variable Refresh Rate, ELMB SYNC, Brightness, Aspect Control, Dynamic Dimming, ASCR, Blue Light Filter, Variable OD, HDR Setting, Sniper.</td></tr>
<tr><td>ELMB SYNC</td><td>When ELMB SYNC is enabled, the following functions will be unavailable: ELMB, Brightness, Aspect Control, Dynamic Dimming, ASCR, Blue Light Filter, HDR Setting, Variable OD.</td></tr>
<tr><td>Clarity Level</td><td rowspan="2">When Clarity Level or Clarity Position is enabled, the following functions will be unavailable:
Variable Refresh Rate, ELMB SYNC, Brightness, Aspect Control, Dynamic Dimming, ASCR, Blue Light Filter, Variable OD, HDR Setting.</td></tr>
<tr><td>Clarity Position</td></tr>
</table>

Menu option		Description
GamePlus	FPS Counter	The GamePlus function provides a set of built-in gaming tools to enhance your in-game experience. It includes the following features: FPS Counter Displays real-time frames per second (FPS) to indicate how smoothly the game is running. You can choose to show the FPS as a number or a bar graph on screen. Crosshair Provides 6 built-in crosshair styles, so you can choose the one that best fits your game. Also includes a Dynamic Crosshair option that adjusts the crosshair automatically based on gameplay. Sniper Sniper mode is designed for first-person shooter games (only available when HDR is OFF). You can choose from three magnification levels — 1.2×, 1.5×, and 2.0× — with different alignment styles. Timer Displays a countdown timer on the upper-left corner of the screen to help you track gameplay or rest time. You can choose from the following preset durations: 30:00, 40:00, 50:00, 60:00, or 90:00 minutes. Stopwatch Displays a stopwatch on the upper-left corner of the screen to help you track elapsed time during gameplay or activities. The stopwatch starts from 00:00 and counts upward until manually stopped. Display Alignment Displays alignment lines on all four sides of the screen to help you align multiple monitors more precisely and easily.
	Crosshair	
	Sniper	
	Timer	
	Stopwatch	
	Display Alignment	

Menu option		Description
GameVisual	Scenery Mode Racing Mode Cinema Mode RTS/RPG Mode FPS Mode sRGB Mode MOBA Mode Night Vision User Mode	GameVisual provides a set of preset display modes optimized for different usage scenarios, using ASUS GameVisual™ Video Intelligence Technology. Easily switch between modes to match your content. Scenery Mode Optimized for displaying landscapes and outdoor photos. Racing Mode Best suited for fast-paced racing games. Cinema Mode Ideal for watching movies and cinematic content. RTS/RPG Mode Designed for Real-Time Strategy and Role-Playing games. FPS Mode Tailored for First-Person Shooter games to enhance visibility in dark scenes. sRGB Mode Perfect for viewing photos and graphics with accurate color reproduction. MOBA Mode Best choice for Multiplayer Online Battle Arena games. Night Vision Enhances visibility in dark environments or low-light scenes. User Mode Allows manual adjustment of more image settings like brightness, contrast, and color.
Shadow Boost	Dynamic Shadow Boost / Level 3 / Level 2 / Level 1 / OFF	Enhances visibility in dark areas by adjusting the monitor's gamma curve, making dark scenes and objects easier to see without overexposing brighter areas. Offers three levels (Level 1 / Level 2 / Level 3) of adjustment to suit different preferences. Includes a Dynamic Shadow Boost option that automatically optimizes dark scenes based on the content.
ASUS DisplayWidget Center	QR code	Refer to 3.3 DisplayWidget Center.

2. Image



Menu option		Description	Remark
Brightness	Adjustable from 0~100	Adjust screen brightness. When HDR is enabled, only adjustment via Adjustable HDR is supported.	ELMB function not supported.
Contrast	Adjustable from 0~100	Adjust contrast to enhance image detail and depth.	Not adjustable in HDR mode.
HDR Setting	Gaming HDR	Delivers richer details and more realistic colors, especially noticeable in scenes with strong contrast between light and dark areas. Gaming HDR: A mode designed for gamers. Cinema HDR: Ideal for movies and cinematic content. Console HDR: Tailored for gaming consoles.	1. In HDR mode, brightness is adjusted automatically and cannot be set manually. 2. When HDR is enabled, the following functions are unavailable: ELMB, Sniper, GameVisual, Shadow Boost, Brightness, Contrast, Aspect Control (only mutually exclusive if Dynamic Dimming is supported), Blue Light Filter, ASCR, Color Temp., Display Color Space, Gamma, Saturation, Six-axis Saturation, Power Saving Mode.
	Cinema HDR		
	Console HDR		
	Adjustable HDR	You can adjust the intensity of the HDR effect. Adjustable HDR is enabled, the following settings can be customized: Brightness, Contrast, Color Temp., Saturation, Six-axis Saturation.	When this feature is enabled, the following functions are unavailable: ELMB, Sniper, GameVisual, Shadow Boost, Gamma, Blue Light Filter, Power Saving Mode, ASCR, Display Color Space, Aspect Control (only mutually exclusive if Dynamic Dimming is supported).

Menu option		Description	Remark
Dynamic Dimming	ON / OFF	Enhances screen visual quality and energy efficiency. When enabled, this feature automatically adjusts the backlight brightness to deliver a more vivid and realistic image while also saving power.	Only supports local dimming. Default is OFF in SDR mode; ON in HDR mode.
ASCR	ON / OFF	Dynamically adjusts contrast, ideal for videos or high-dynamic scenes, enhancing the depth and layering of the image.	When this feature is enabled, the following functions are unavailable: ELMB, ELMB SYNC, Dynamic Dimming.
Aspect Control	16:9 Full	Fills the screen by stretching the image without preserving the aspect ratio. The image becomes larger but may distort, affecting the viewing experience.	1. The 16:9 aspect ratio achieves better results only when the full-screen resolution simulates a 24.5-inch display. 2. FPS game size; you can also select point-to-point scaling in Windows display settings. 3. When this feature is enabled, the following functions will be disabled: Variable Refresh Rate, ELMB, ELMB SYNC, Dynamic Dimming.
	16:9 24.5" Simulation	Displays the image at a 24.5-inch size, maintaining the aspect ratio without distortion, but the image appears smaller.	
	16:9 Pixel by Pixel	16:9 native mode maps pixels directly, keeping clarity and aspect ratio. Low-resolution images may show black borders.	
	Square Full	Stretches the image to fill the entire screen without preserving the aspect ratio. The image becomes larger but may be distorted, affecting the viewing experience.	
	Square Equivalent	Scales the image up while maintaining the original aspect ratio to avoid distortion, but may result in black borders.	
	Square Pixel by Pixel	Displays the image at its original resolution without scaling or stretching.	
Blue Light Filter	Level 4 / Level 3 / Level 2 / Level 1 / OFF	1. Level 1 to Level 4: The higher the level, the stronger the blue light filtering effect, resulting in less blue light scattering. 2. Level and brightness adjustment: Users can adjust brightness between Level 1 and Level 3. 3. Level 4 is the default optimal setting, compliant with TÜV low blue light certification standards, but brightness cannot be adjusted.	1. When this feature is enabled, the following functions will be disabled: ELMB, ELMB SYNC, Dynamic Dimming. 2. When this feature is enabled, the system will automatically apply the default settings of Racing Mode.
Smart Pixel	Level 3 / Level 2 / Level 1 / OFF	Smart Pixel enhances overall image details in real time for clearer and more vivid visuals.	

Menu option		Description	Remark
VividPixel	Adjustable from 0~100	Enhances image edges and details to improve image clarity.	

3. Color



Menu option		Description	Remark
Display Color Space	sRGB	-	Selects the color space for the monitor color output.
	DCI-P3	-	
	Wide Gamut	-	
Color Temp.	4000K	-	Contains 8 modes including 4000K, 5000K, 6500K, 7500K, 8200K, 9300K, 10000K and User.
	5000K	-	
	6500K	-	
	7500K	-	
	8200K	-	
	9300K	-	
	10000K	-	
	User	-	
Saturation	Adjustable from 0~100	-	
Six-axis Saturation	R	R Adjustable from 0~100	Adjusts the saturation for R, G, B, C, M, Y.
	G	G Adjustable from 0~100	
	B	B Adjustable from 0~100	
	C	C Adjustable from 0~100	
	M	M Adjustable from 0~100	
	Y	Y Adjustable from 0~100	

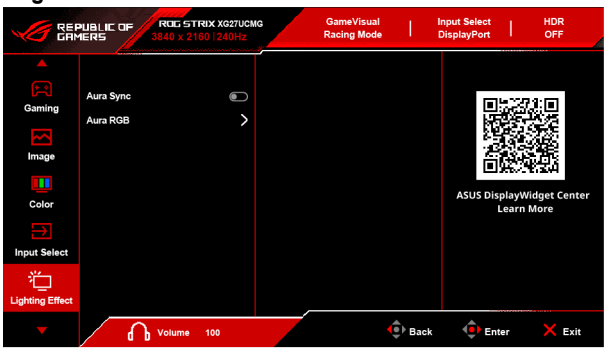
Menu option		Description	Remark
Gamma	1.8		Gamma is a curve used to adjust image brightness and contrast, affecting how the brightness of an image signal (such as a photo file or video signal) is mapped to what is shown on the screen. Allows you to set the color mode to 1.8, 2.0, 2.2, 2.4 or 2.6.
	2.0		
	2.2		
	2.4		
	2.6		

4. Input Select



Menu option		Description	Remark
Auto Input Detection	ON / OFF	Once turned on, it automatically detects the signal and switches the input source.	
USB-C	Choose the input source as needed.	Select USB-C as the video input source.	
DisplayPort		Select DisplayPort as the video input source.	
HDMI		Select HDMI as the video input source.	

5. Lighting Effect



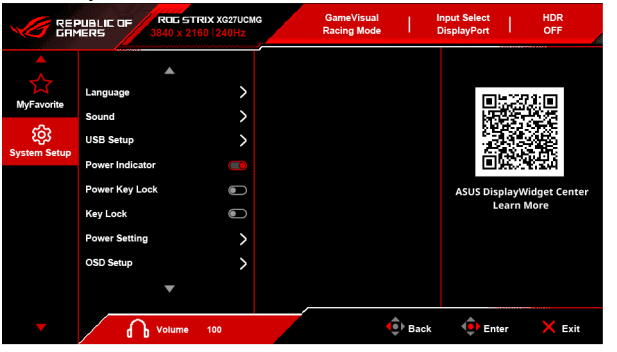
Menu option		Description	Remark
Aura Sync	ON / OFF	Allows you to turn on or off the Aura Sync function that synchronizes the Aura RGB light effect among all supported devices.	When this feature is enabled, the following functions are unavailable: Aura RGB.
Aura RGB	OFF	You can manually change the R/G/B/C/M/Y color for Static, Breathing, and Strobing modes.	This function is not available when Aura Sync is enabled.
	Rainbow		
	Color Cycle		
	Static		
	Breathing		
	Strobing		

6. MyFavorite



Menu option		Description	Remark
Quick Menu	Mode 1 / Mode 2 / Mode 3 / Mode 4	The Quick Menu lets you assign your favorite monitor settings to four modes (Mode 1–Mode 4) for faster access during use.	
Shortcut	Shortcut 1 / Shortcut 2	Configure the functions of the monitor's shortcut keys.	
Customized Setting	Setting 1 / Setting 2	Load or save all monitor settings to quickly switch between different usage scenarios.	

7. System Setup



Menu option		Description	Remark
Language	Language Selection	There are 23 languages for your selection, including English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian, Vietnamese.	

Menu option		Description	Remark
Sound	Volume (Earphone Out)		
	Mute		
USB Setup	KVM	Configures the KVM settings for each input source. When Auto KVM Detection is OFF, you can choose either KVM (USB-C) or KVM (USB-B). When Auto KVM Detection is ON, the monitor will switch KVM automatically and each input source can be set to a KVM USB path (KVM (USB-C) or KVM (USB-B)). When switching to a different input source, it will automatically switch the KVM to the corresponding USB path.	Refer to 3.2 KVM.
	Type-C Bandwidth	Selects USB Type-C with USB 2.0 or USB 3.2. USB 3.2 is up to 3840 x 2160@240Hz when DSC Support is ON.	
	USB Hub	Sets the USB Hub availability during standby mode.	This function is not available (set as On During Standby) when Aura Sync is enabled.
Power Indicator	ON / OFF	Switch the power LED indicator on or off.	
Power Key Lock	ON / OFF	Turns the power button on or off.	
Key Lock	ON / OFF	All function keys are disabled. To unlock, press and hold the down key on the five-way button for five seconds.	
Power Setting	Performance Mode	Offers better performance but consumes more power.	
	Power Saving Mode	Limits brightness and features to save energy. HDR must be turned off before enabling this; a reminder will appear when adjusting brightness.	
OSD Setup	OSD Position	Adjusts the horizontal position (H-Position)/the vertical position (V-Position) of the OSD.	
	OSD Timeout	Adjusts the OSD timeout from 10 to 120 seconds.	
	OSD Size	Adjusts the OSD size.	
	Transparency	Adjusts the OSD background from opaque to transparent.	
	DDC/CI	Turns on or off the communication between the monitor and computer (auto-enabled with variable refresh rate).	
DisplayPort Stream	DisplayPort 1.2 / DisplayPort 1.4	Selects DisplayPort 1.2 or DisplayPort 1.4 by graphics card DP version.	

Menu option		Description	Remark
DSC Support	ON / OFF	It is specifically designed for highresolution video transmission and high refresh rates. It compresses image data without noticeably degrading quality, allowing displays and devices to transmit large amounts of video data using lower bandwidth.	
ASUS Power Sync	ON / OFF	Allows the power on/off control of the HDMIconnected console device or setup box, such as Apple TV, Sony PlayStation, Xbox Series X/S, Nintendo Switch through the monitor.	
Information	-	Displays the current resolution, refresh rate, and other information of the monitor.	
All Reset	Yes / No	Reset all settings to their factory default values.	



To ensure proper display, the color depth, resolution, or color format may be automatically adjusted when the DSC (Display Stream Compression) function is turned off.

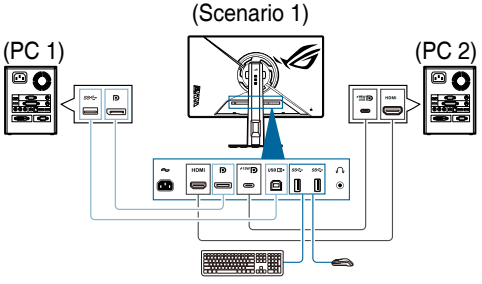
3.2 KVM

The built-in KVM (Keyboard, Video, Mouse) feature allows you to control two computers using a single monitor, keyboard, and mouse.
By connecting two computers to the monitor through separate USB upstream connections, you can easily switch keyboard and mouse control between the connected devices without requiring additional hardware or software.

Connecting devices

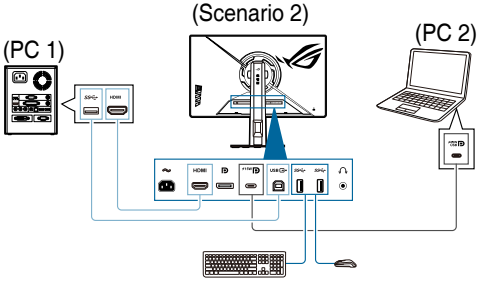
Scenario 1: Two Desktop PCs

- PC 1: DisplayPort + USB Type-B (Upstream)
- PC 2: HDMI + USB Type-C (Upstream)
- Connect the keyboard and mouse to the monitor's USB downstream ports.



Scenario 2: Desktop PC + Laptop

- Desktop PC (PC 1): HDMI + USB Type-B (Upstream)
- Laptop (PC 2): Single USB Type-C (supports video and USB data transmission)
- Connect the keyboard and mouse to the monitor's USB downstream ports.



Configuring KVM

Configure the KVM settings through the OSD menu:

Device	Physical connection	KVM detection
PC 1	DisplayPort / HDMI + USB Type-B	KVM (USB-B)
PC 2	HDMI + USB Type-C	KVM (USB-C)
Laptop	USB Type-C (Video + Data + PD)	KVM (USB-C)

Using KVM

After completing the connections:

1. Connect the keyboard and mouse to the monitor's USB downstream ports.
2. Connect both computers according to the recommended configuration.
3. Open the KVM menu.
4. Enable Auto KVM Detection or manually select a KVM source.
5. The keyboard and mouse will be assigned to the corresponding computer.

Auto KVM Detection

1. Auto KVM Detection automatically detects available KVM upstream connections through USB Type-C and USB Type-B.
2. If both USB Type-C and USB Type-B upstream connections are detected, the monitor assigns USB devices according to the current main source.
3. When Auto KVM Detection is disabled, you can manually select either KVM (USB-C) or KVM (USB-B) as the KVM host source.

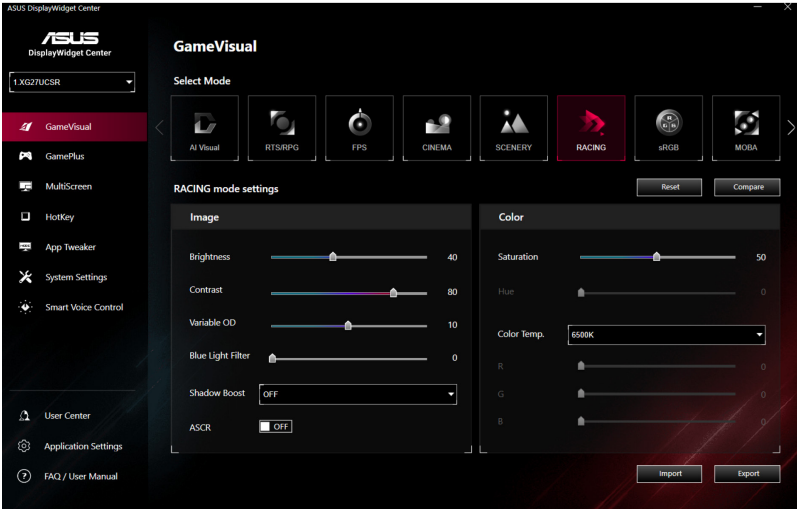
KVM source selection

- **KVM (USB-C):** Assigns the monitor's USB hub to the device connected through the USB Type-C upstream port. Select this option to assign keyboard and mouse control to the USB Type-C connected device.
- **KVM (USB-B):** Assigns the monitor's USB hub to the device connected through the USB Type-B upstream port. Select this option to assign keyboard and mouse control to the USB Type-B connected device.

Notes

- Keyboard and mouse should be connected to the monitor's USB downstream ports.
- USB Type-C must support USB data transmission for KVM functionality.
- Video transmission over USB Type-C requires DisplayPort Alt Mode support.
- The USB Type-B upstream cable must be connected to enable KVM functionality for the corresponding computer.
- If both USB Type-C and USB Type-B upstream connections are active simultaneously, Auto KVM Detection follows the current main source.
- Some operating systems may require several seconds to recognize USB devices after KVM switching.
- Available functions may vary depending on the connected device and operating system.

3.3 DisplayWidget Center



ASUS DisplayWidget Center is a Windows-based utility designed for ASUS monitors. It allows users to adjust monitor settings directly from their desktop using a mouse, eliminating the need for on-screen display (OSD) buttons. It streamlines the configuration of color, brightness, contrast, and other advanced features.

System requirements

- Operating system: Windows 10 (64-bit) or Windows 11 (64-bit)
- Supported models: Please check the driver section on the ASUS Support site (https://www.asus.com/support/) by entering your monitor model.

How to download and install

1. Go to the ASUS DisplayWidget Center download page.
2. Enter your monitor model in the search bar (e.g., XG27UCMG).
3. Select Driver & Utility Choose your OS version.
4. Download and unzip the DisplayWidget Center installer.
5. Run the setup file and follow the installation steps.
6. Once installed, the shortcut icon will appear on your desktop.

Key features

1. GameVisual Modes: Change between various color presets, such as Scenery Mode, Racing Mode, Cinema Mode, FPS Mode, and RTS/RPG Mode.

2. GamePlus tools: Activate Crosshair, FPS Counter, Sniper, Timer, and Display Alignment tools.
3. Color adjustment: Fine-tune brightness, contrast, saturation, and gamma directly from your PC.
4. Multi-screen tools: Organize and divide your desktop workspace with layout presets.
5. Hotkey customization: Assign shortcuts for quick access to settings.
6. App Sync: Automatically switch monitor settings based on running applications.
7. Device & system info: View real-time system and monitor information.

Tips

- Always check for the latest version through the official ASUS website.
- If you change monitor models, reinstalling the tool may be necessary.
- Some features may vary depending on your monitor model and panel type.

3.4 Aura

Aura is the RGB lighting system controlled by the **Armoury Crate** software, supported on compatible devices such as monitors, motherboards, graphics cards, and desktop PCs. With Aura, you can:

1. Adjust the RGB lighting color.
2. Select different lighting effects.
3. Calibrate the LEDs for more accurate color representation.

To activate Aura:

1. Turn ON **Aura Sync** in the OSD menu.
2. Connect the monitor to your computer using the USB Type-C port.
3. Install **Armoury Crate**, then restart your computer.
4. Launch **Armoury Crate** to control the lighting settings.

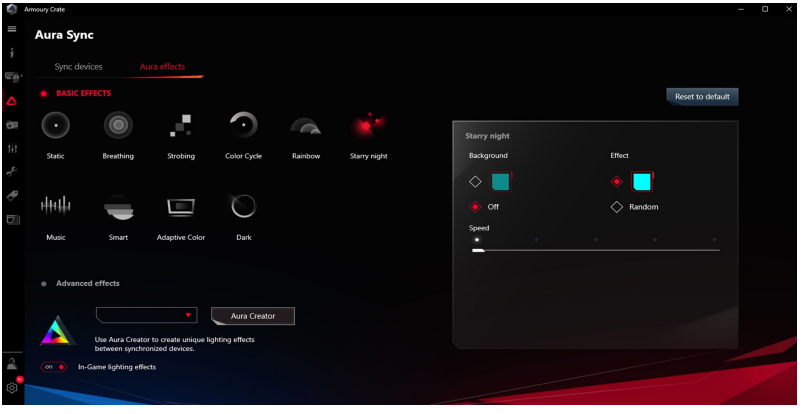
Overview of Armoury Crate features:

Lighting Control: Customize device lighting colors and brightness.
Lighting Effects: Support for multiple dynamic effects, such as breathing, flashing, and rainbow.
Sync Control: Synchronize lighting across multiple Aura-supported devices.
Color Calibration: Fine-tune RGB colors for more accurate display.
Profiles: Create and save multiple lighting profiles for easy switching.

Note:

- If the USB Type-C connection between the monitor and the computer is disconnected, Aura will be disabled. To resume Aura functionality:
  1. Reconnect the monitor's USB Type-C port to the computer.
  2. Restart the computer.
- For more information, visit: https://rog.asus.com/tag/aura-sync/

Below is the overview of this program.



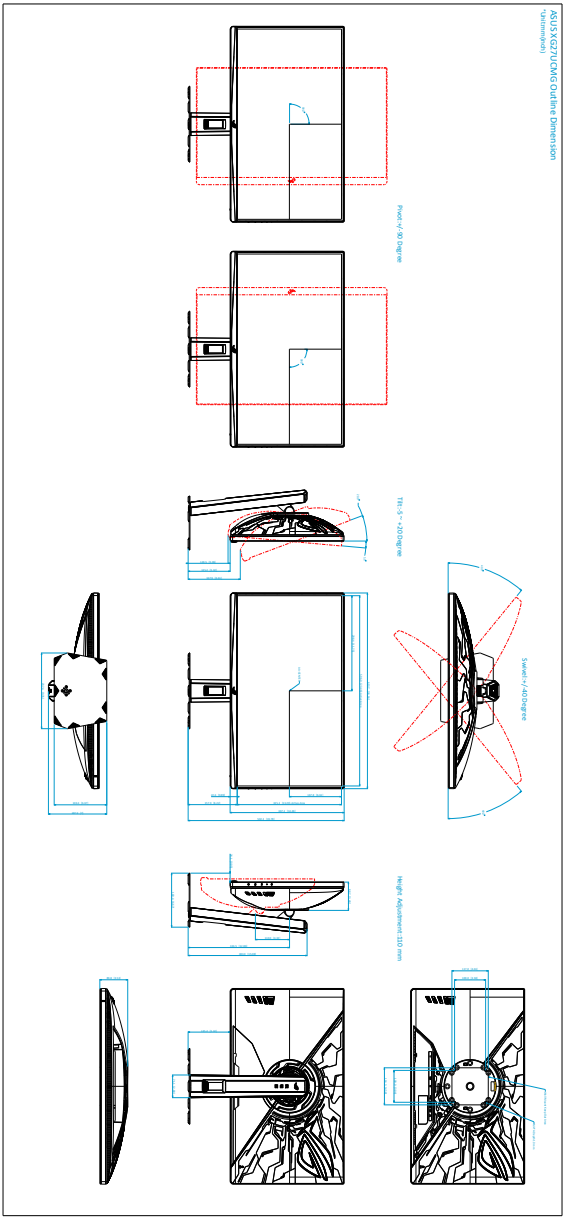
3.5 Specifications summary

Model	XG27UCMG
Chassis colors	Black
Panel type	LCD
Backlight type	E-LED
Panel size	27"W (68.5 cm)
Recommended resolution	3840 x 2160
Refresh rate	240Hz (Balanced)/400Hz (Turbo)/488Hz (Hyper)
Aspect ratio	16:9
Brightness (Typ.)	400 nits (Typ.)/ 400 nits (HDR peak)
Color space (sRGB)	sRGB 130% (Typ.)
Color space (DCIP3)	DCI-P3 95% (Typ.)
Intrinsic contrast ratio (Typ.)	1300:1
Viewing angle (CR>10)	178˚ (V)/178˚ (H)
Display colors	1.07B (RGB 8 + Hi-FRC)
Response time	0.3ms (min., gray to gray)
WHQL	Windows 10/11
Digital signal frequency	Balanced mode: HDMI: 27kHz~583kHz (H) / 24Hz~240Hz (V) DP/Type-C: 27kHz~583kHz (H) / 24Hz~240Hz (V) Turbo mode: HDMI: 27kHz~622kHz (H) / 24Hz~400Hz (V) DP/Type-C: 27kHz~622kHz (H) / 24Hz~400Hz (V) Hyper mode: HDMI: 27kHz~666kHz (H) / 24Hz~488Hz (V) DP/Type-C: 27kHz~666kHz (H) / 24Hz~488Hz (V)
Power consumption	40 W**
Power saving mode	< 0.5 W
Power off mode	< 0.3 W
Voltage	100~240V, 50/60Hz, 2.5A
Temperature (operating)	0 ~ 40˚
Tilt	-5˚ ~ +20˚
Swivel	-40˚~ +40˚
Pivot	-90˚~ +90˚
Height adjustment	110 mm
I/O port	DisplayPort v1.4 x 1, HDMI v2.1 x 1, USB Type-C x 1, USB Type-B x 1, USB Type-A x 2, earphone x 1
Speaker	N/A
Phys. dimensions with stand (W x H x D)	61.37 x 50.25 x 18.79 cm (highest) 61.37 x 39.25 x 18.79 cm (lowest)

Phys. dimensions without stand (W x H x D)	61.37 x 36.72 x 8.58 cm
Box dimension (W x H x D)	710 x 215 x 460 mm
Net weight (Esti.)	6.5 kg
Net weight without stand	4.3 kg
Gross weight (Esti.)	8.6 kg

***Specifications are subject to change without notice.**
****Measuring a screen brightness of 200 nits without audio/USB/Card reader connection.**

3.6 Outline dimensions



3.7 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	• Press the ⏻ button to check if the monitor is in the ON mode. • Check if the power cord is properly connected to the monitor and the power outlet.
The power LED lights white and there is no screen image	• Check if the monitor and the computer are in the ON mode. • Make sure the signal cable is properly connected the monitor and the computer. • Inspect the signal cable and make sure none of the pins are bent. • Connect the computer with another available monitor to check if the computer is properly working.
Screen image is too light or dark	• Adjust the Contrast and Brightness settings via OSD.
Screen image bounces or a wave pattern is present in the image	• Make sure the signal cable is properly connected to the monitor and the computer. • Move electrical devices that may cause electrical interference.
Screen image has color defects (white does not look white)	• Inspect the signal cable and make sure that none of the pins are bent. • Perform All Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
Brightness decreases after displaying HDR content for a period of time	• Turn off the monitor by pressing the power button and then turn on the monitor. • Turn off the monitor by disconnecting the power cord and then turn on the monitor. • Reactivate the HDR function on your device.

3.8 Supported timing list

Balanced timing

Supported timing

Timing	Resolution	HDMI	DP
PC Timing	640 x 480 60Hz	V	V
PC Timing	640 x 480 75Hz	V	V
PC Timing	800 x 600 60Hz	V	V
PC Timing	800 x 600 75Hz	V	V
PC Timing	1024 x 768 60Hz	V	V
PC Timing	1024 x 768 75Hz	V	V
PC Timing	1280 x 720 60Hz	V	V
PC Timing	1280 x 960 60Hz	V	V
PC Timing	1280 x 1024 60Hz	V	V
PC Timing	1600 x 1200 60Hz	V	V
PC Timing	1920 x 1080 60Hz	V	V
Video Timing	640 x 480 60Hz	V	V
Video Timing	720 x 480 60Hz	V	V
Video Timing	720 x 576 50Hz	V	V
Video Timing	1280 x 720 50Hz	V	V
Video Timing	1280 x 720 60Hz	V	V
Video Timing	1920 x 1080 24Hz	V	V
Video Timing	1920 x 1080 25Hz	V	V
Video Timing	1920 x 1080 30Hz	V	V
Video Timing	1920 x 1080 50Hz	V	V
Video Timing	1920 x 1080 60Hz	V	V
Video Timing	1920 x 1080 100Hz	V	V
Video Timing	1920 x 1080 120Hz	V	V
Video Timing	3840 x 2160 24Hz	V	V
Video Timing	3840 x 2160 25Hz	V	V
Video Timing	3840 x 2160 30Hz	V	V
Video Timing	3840 x 2160 50Hz	V	V
Video Timing	3840 x 2160 60Hz	V	V
Video Timing	3840 x 2160 100Hz	V	V
Video Timing	3840 x 2160 120Hz	V	V

16:9 timing

Timing	Resolution	HDMI	DP
Detail Timing	2560 x 1440 60Hz	V	V
Detail Timing	2560 x 1440 120Hz	V	V
Detail Timing	3840 x 2160 60Hz	V	V
Detail Timing	3840 x 2160 95Hz	V	V
Detail Timing	3840 x 2160 120Hz	V	V
Detail Timing	3840 x 2160 144Hz	V	V
Detail Timing	3840 x 2160 240Hz	V	V

24.5" Simulation timing

Timing	Resolution	HDMI	DP
Detail Timing	2560 x 1440 60Hz	V	V
Detail Timing	2560 x 1440 120Hz	V	V
Detail Timing	3488 x 1962 60Hz	V	V
Detail Timing	3488 x 1962 120Hz	V	V
Detail Timing	3488 x 1962 240Hz	V	V

4:3 Square timing

Timing	Resolution	HDMI	DP
Detail Timing	1024 x 768 240Hz	V	V
Detail Timing	1152 x 864 240Hz	V	V
Detail Timing	1280 x 960 240Hz	V	V
Detail Timing	1728 x 1080 240Hz	V	V
Detail Timing	1920 x 1440 240Hz	V	V
Detail Timing	1440 x 1080 240Hz	V	V
Detail Timing	2560 x 1440 60Hz	V	V
Detail Timing	2560 x 1440 120Hz	V	V

Hyper timing

Supported timing

Timing	Resolution	HDMI	DP
PC Timing	640 x 480 60Hz	V	V
PC Timing	640 x 480 75Hz	V	V
PC Timing	800 x 600 60Hz	V	V
PC Timing	800 x 600 75Hz	V	V
PC Timing	1024 x 768 60Hz	V	V
PC Timing	1024 x 768 75Hz	V	V
PC Timing	1280 x 720 60Hz	V	V
PC Timing	1280 x 960 60Hz	V	V
PC Timing	1280 x 1024 60Hz	V	V
PC Timing	1600 x 900 60Hz	V	V
PC Timing	1920 x 1080 60Hz	V	V
Video Timing	640 x 480 60Hz	V	V
Video Timing	720 x 480 60Hz	V	V
Video Timing	720 x 576 50Hz	V	V
Video Timing	1280 x 720 50Hz	V	V
Video Timing	1280 x 720 60Hz	V	V
Video Timing	1920 x 1080 24Hz	V	V
Video Timing	1920 x 1080 25Hz	V	V
Video Timing	1920 x 1080 30Hz	V	V
Video Timing	1920 x 1080 50Hz	V	V
Video Timing	1920 x 1080 60Hz	V	V
Video Timing	1920 x 1080 100Hz	V	V
Video Timing	1920 x 1080 120Hz	V	V

16:9 timing

Timing	Resolution	HDMI	DP
Detail Timing	1920 x 1080 60Hz	V	V
Detail Timing	1920 x 1080 120Hz	V	V
Detail Timing	1920 x 1080 240Hz	V	V
Detail Timing	1920 x 1080 280Hz	V	V
Detail Timing	1920 x 1080 360Hz	V	V
Detail Timing	1920 x 1080 480Hz	V	V
Detail Timing (Overclocking ON)	1920 x 1080 488Hz	V	V

24.5" Simulation timing

Timing	Resolution	HDMI	DP
Detail Timing	1744 x 982 60Hz	V	V
Detail Timing	1744 x 982 120Hz	V	V
Detail Timing	1744 x 982 240Hz	V	V
Detail Timing	1744 x 982 480Hz	V	V
Detail Timing (Overclocking ON)	1744 x 982 488Hz	V	V

4:3 Square timing

Timing	Resolution	HDMI	DP
Detail Timing	1280 x 960 60Hz	V	V
Detail Timing	1024 x 768 480Hz	V	V
Detail Timing	1152 x 864 480Hz	V	V
Detail Timing	1280 x 960 480Hz	V	V
Detail Timing	1728 x 1080 480Hz	V	V
Detail Timing	1440 x 1080 480Hz	V	V
Detail Timing (Overclocking ON)	1024 x 768 488Hz	V	V
Detail Timing (Overclocking ON)	1152 x 864 488Hz	V	V
Detail Timing (Overclocking ON)	1280 x 960 488Hz	V	V
Detail Timing (Overclocking ON)	1728 x 1080 488Hz	V	V
Detail Timing (Overclocking ON)	1440 x 1080 488Hz	V	V

Turbo timing

Supported timing

Timing	Resolution	HDMI	DP
PC Timing	640 x 480 60Hz	V	V
PC Timing	640 x 480 75Hz	V	V
PC Timing	800 x 600 60Hz	V	V
PC Timing	800 x 600 75Hz	V	V
PC Timing	1024 x 768 60Hz	V	V
PC Timing	1024 x 768 75Hz	V	V
PC Timing	1280 x 720 60Hz	V	V
PC Timing	1280 x 960 60Hz	V	V
PC Timing	1280 x 1024 60Hz	V	V
PC Timing	1600 x 1200 60Hz	V	V
PC Timing	1920 x 1080 60Hz	V	V
Video Timing	640 x 480 60Hz	V	V
Video Timing	720 x 480 60Hz	V	V
Video Timing	720 x 576 50Hz	V	V
Video Timing	1280 x 720 50Hz	V	V
Video Timing	1280 x 720 60Hz	V	V
Video Timing	1920 x 1080 24Hz	V	V
Video Timing	1920 x 1080 25Hz	V	V
Video Timing	1920 x 1080 30Hz	V	V
Video Timing	1920 x 1080 50Hz	V	V
Video Timing	1920 x 1080 60Hz	V	V
Video Timing	1920 x 1080 100Hz	V	V
Video Timing	1920 x 1080 120Hz	V	V

16:9 timing

Timing	Resolution	HDMI	DP
Detail Timing	2560 x 1440 60Hz	V	V
Detail Timing	2560 x 1440 120Hz	V	V
Detail Timing	2560 x 1440 144Hz	V	V
Detail Timing	2560 x 1440 240Hz	V	V
Detail Timing	2560 x 1440 360Hz	V	V
Detail Timing	1920 x 1080 240Hz	V	V
Detail Timing	1920 x 1080 360Hz	V	V
Detail Timing (Overclocking ON)	2560 x 1440 400Hz	V	V

24.5" Simulation timing

Timing	Resolution	HDMI	DP
Detail Timing	2328 x 1310 60Hz	V	V
Detail Timing	2328 x 1310 120Hz	V	V
Detail Timing	2328 x 1310 240Hz	V	V
Detail Timing	2328 x 1310 360Hz	V	V
Detail Timing (Overclocking ON)	2328 x 1310 400Hz	V	V
Detail Timing	2560 x 1440 60Hz	V	V
Detail Timing	2560 x 1440 120Hz	V	V

4:3 Square timing

Timing	Resolution	HDMI	DP
Detail Timing	1280 x 960 60Hz	V	V
Detail Timing	1024 x 768 360Hz	V	V
Detail Timing	1152 x 864 360Hz	V	V
Detail Timing	1280 x 960 360Hz	V	V
Detail Timing	1728 x 1080 360Hz	V	V
Detail Timing	1920 x 1440 360Hz	V	V
Detail Timing	1440 x 1080 360Hz	V	V
Detail Timing (Overclocking ON)	1024 x 768 400Hz	V	V
Detail Timing (Overclocking ON)	1152 x 864 400Hz	V	V
Detail Timing (Overclocking ON)	1280 x 960 400Hz	V	V
Detail Timing (Overclocking ON)	1728 x 1080 400Hz	V	V
Detail Timing (Overclocking ON)	1920 x 1440 400Hz	V	V
Detail Timing (Overclocking ON)	1440 x 1080 400Hz	V	V
Detail Timing	2560 x 1440 60Hz	V	V
Detail Timing	2560 x 1440 120Hz	V	V


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