ROG

STRIX XG27ACMS SERIES

GAMING MONITOR

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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.
- 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 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.



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)



New Mexico PFAS Labelling



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 servicer.
- 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.
- 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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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.

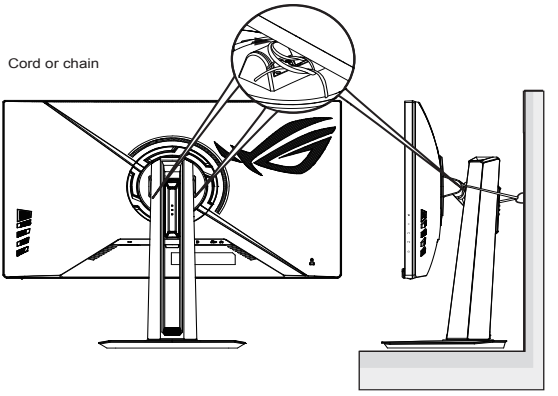
Restriction on Hazardous Substances statement (India)

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.

HIGH-DEFINITION MULTIMEDIA INTERFACE

Prevent Tipping

When using the display, fasten the LCD 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.
- For the models with VESA Mount, please use method ❶, install the screws with ring to the VESA Mount hole, then tie the cord or chain to the wall. Otherwise, please use method ❷ to tie the cord or chain to the stand and then fix it to the wall.

Care & Cleaning

Screen Cleaning Instructions (Including Sensors)

When cleaning displays (including sensors), special care and proper methods are required to avoid damaging the screen. Please follow the recommendations below for safe and effective cleaning.

- Required Materials
  1. Microfiber cloth: Use a soft microfiber cloth that will not scratch the screen surface.
  2. Purified water: Avoid water containing minerals or impurities.
  3. Spray bottle: Use it to lightly spray purified water onto the microfiber cloth — never directly onto the screen.
- Cleaning Procedure
  1. Power Off the Device: Before lifting, repositioning, or cleaning the display, disconnect all cables and unplug the power cord. When moving the monitor, always hold it by the edges of the display. Never lift or carry the monitor by the stand or power cable.
  2. Dry Cleaning: Turn off the monitor and unplug the power cord. Use a clean, dry microfiber cloth to gently wipe the screen surface and remove dust or loose particles.
  3. Damp Cleaning: Lightly spray a small amount of purified water onto the microfiber cloth. Do not spray liquid directly onto the screen or sensor. Gently wipe the screen surface without applying excessive pressure.
  4. Dry the Screen: Use another clean microfiber cloth to gently dry the screen surface and ensure no liquid residue remains. If necessary, repeat the cleaning process 2–3 times.
- Important Precautions
  1. Do not use alcohol-based or ammonia-based cleaners. These chemicals may damage the screen coating.
  2. Do not spray liquid directly onto the screen. Liquid may seep into the edges of the panel and damage internal components.
  3. Do not apply excessive force. Excessive pressure may damage the panel or leave scratches.
  4. Never use tissues, paper towels, kitchen towels, or regular cloth towels. These materials contain relatively coarse fibers that can easily leave fine scratches on the screen surface.

By following the instructions above, you can safely and effectively clean display panels (including sensors) while maintaining image clarity and preventing damage.

Important: Screen Protective Film Removal & Screen Maintenance Instructions

Before using your display, please carefully read the following instructions regarding the screen surface films and coatings. Improper handling may result in permanent damage that is not covered under warranty.

1. Must Be Removed: Shipping Protective Film (OLED only)

To protect the panel from scratches during transportation, the screen surface is covered with a transparent protective shipping film.

- Removal Instructions: Locate the colored pull tab, typically found at the lower-left or lower-right corner of the screen. Slowly and evenly peel off the entire protective film following the direction indicated by the tab.
- Reasons for Removal
  1. Heat Dissipation: OLED pixels generate heat during operation. If the protective film is not removed, heat may accumulate on the panel surface, potentially causing overheating, accelerated panel aging, and significantly increasing the risk of image retention or burn-in.
  2. Sensor Performance: The protective film may obstruct the ambient light sensor located beneath the display surface, resulting in abnormal automatic brightness adjustment behavior.
  3. Image Quality: The shipping film is not made from optical-grade material. Removing it is necessary to experience the OLED panel's intended contrast ratio and color accuracy.

2. Do NOT Remove: Polarizer Layer & Functional Coatings

After removing the transparent shipping protective film with the pull tab, the remaining dark layer tightly bonded to the screen surface is part of the panel structure itself.

- **WARNING: Do not attempt to peel, scrape, or remove the dark film layer using fingernails, blades, or any tools.This layer is the panel's polarizer or anti-reflective coating (AR/AG coating), which is a critical component of the display system.**
- **Consequences: Removing or damaging this layer may cause the display to malfunction, including a completely white screen or abnormal color distortion. Such damage is considered physical misuse and will immediately void the product warranty.**

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. **Protect your eyes with ASUS EYE CARE Monitors**

   The latest ASUS monitors feature exclusive Blue Light Filter and Flicker free technologies to keep your eyes healthy in today's digital world. Refer to
   https://www.asus.com/Microsite/display/eye_care_technology/

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

5. **About Low Blue Light:**
   https://www.asus.com/us/support/FAQ/1009742/

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

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 Stand
- ✓ Monitor Base
- ✓ Quick Start Guide
- ✓ Warranty Card
- ✓ Power Cord
- ✓ DP Cable
- ✓ ROG Sticker
- ✓ ROG Pouch



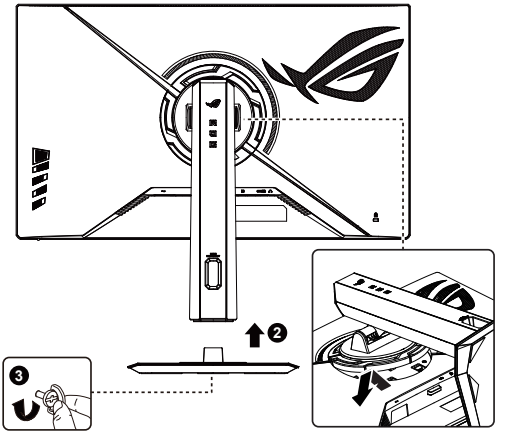
- If any of the above items is damaged or missing, contact your retailer immediately.

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.**

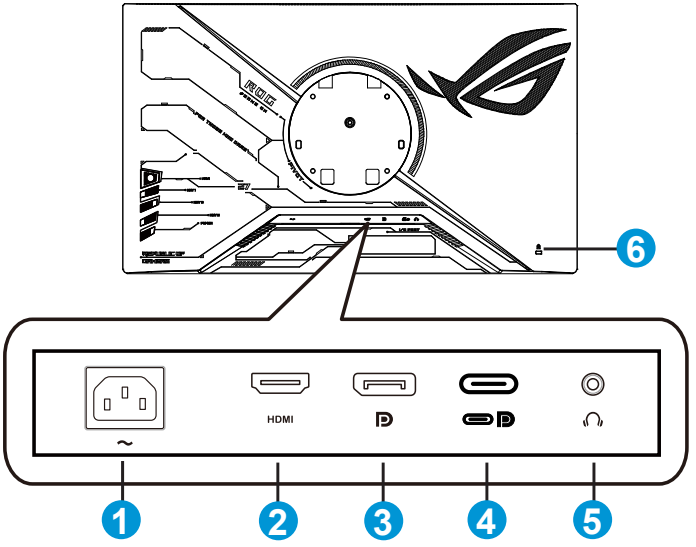
1. Place the display on a cloth on the table, gently attach the stand to the VESA mount area until the latch locks the stand, then attach the base to the arm and fix with the screw to join them tightly. You can easily tighten the screw by fingers.
2. Adjust the monitor to the angle that is most comfortable for you.



*Base screw size: M6 x 16.2 mm

1.4 Connect cables

1.4.1 Rear of the LCD monitor

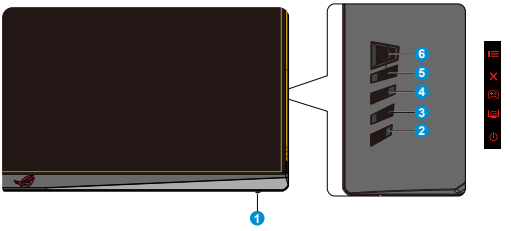


1. AC-IN Port
2. HDMI Port
3. DisplayPort
4. Type-C Port (DP alt mode support)
5. Earphone Jack
6. Kensington Lock

1.5 Monitor introduction

1.5.1 Using the Controls button

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

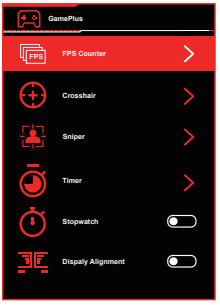
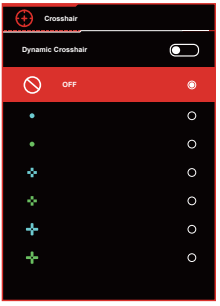
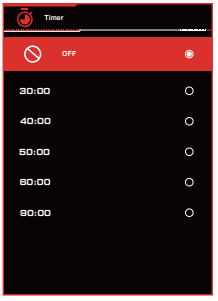


1. Power Indicator:
   - The color definition of the power indicator is as the below table.

Status	Description
White	ON
Amber	Standby mode
OFF	OFF

2. Power Button:
   - Press this button to turn the monitor on/off. Press this key to turn on the monitor when monitor is power off.
3. GameVisual:
   - Press this hotkey to switch from nine video preset modes (Scenery Mode, Racing Mode, Cinema Mode, RTS/RPG Mode, FPS Mode, sRGB Mode, MOBA Mode, Night Vision and User Mode) with GameVisual ™ Video Intelligence Technology.
4. GamePlus:
   - 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 GamePlus main menu.
     - Activate FPS Counter, Crosshair, Sniper, Timer, Stopwatch or Display Alignment function.

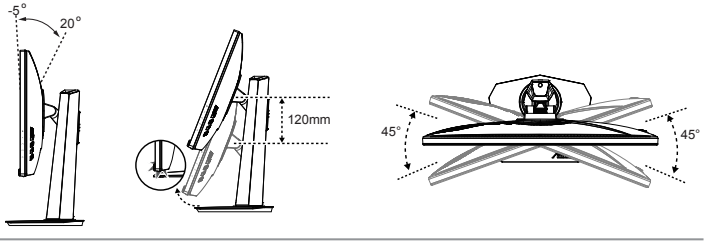
- Move the button up/down to select and press to confirm the function needed. Press to go off, and exit.
- FPS Counter/Crosshair/Sniper/Timer/Stopwatch is movable by pressing 5-way key.

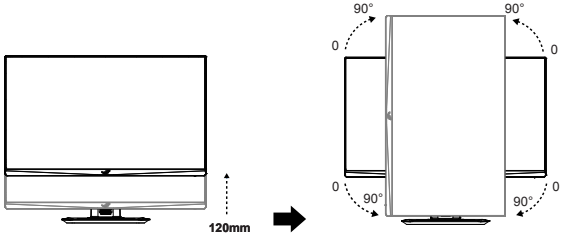
GamePlus main menu	GamePlus-Crosshair	GamePlus-Timer
		

5. Close Button:
   - Exit the OSD menu.
6. (5-way) Button:
   - Turn on the OSD menu. Enacts the selected OSD menu item.
   - Increases/Decreases values or moves your selection up/down/left/right.

2.1 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.

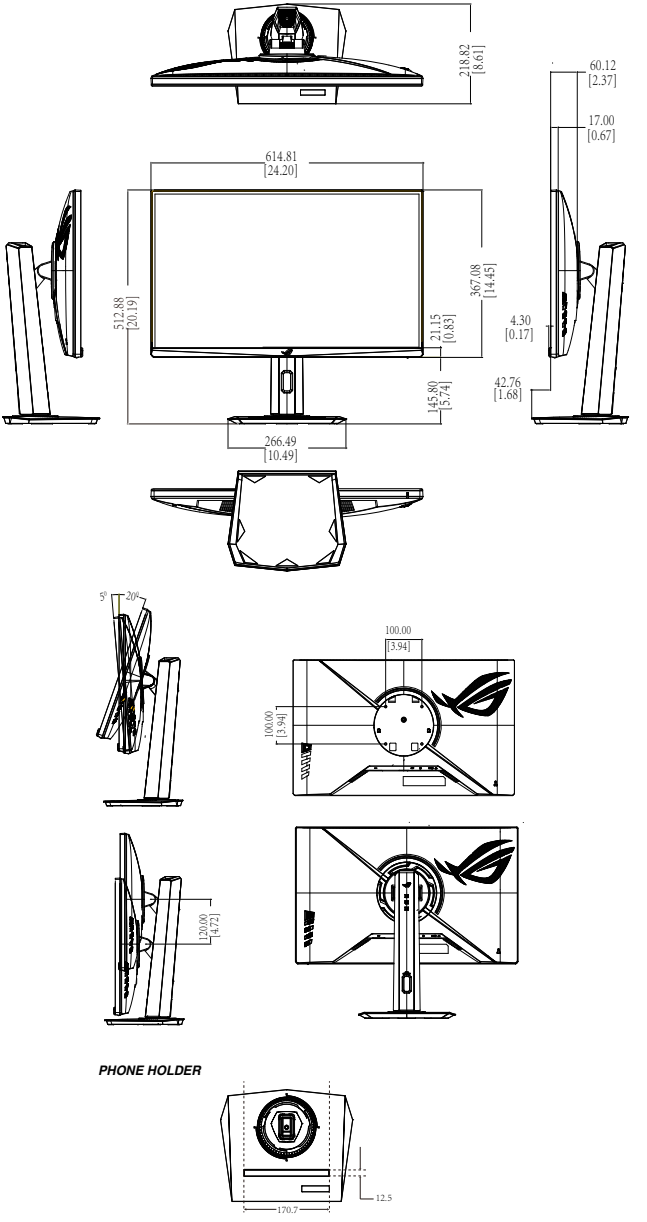




It is normal that the monitor slightly shakes while you adjust the viewing angle.

2.2 Outline dimension

Unit: mm [inch]



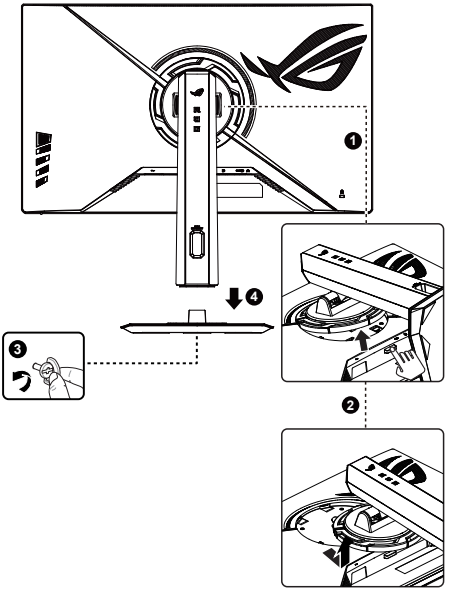
2.3 Detaching the arm/stand (for VESA wall mount)

- 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.

To detach the arm/stand

1. Disconnect power and signal cables. Carefully put the front of the monitor face down on a clean table.
2. Push the locking clips inward to detach the stand from the monitor.
3. Hold the stand with both hands, tilt the base and slide it out.
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 12 kg (Screw size: M4 x 10 mm).

3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure



1. Press the MENU button to activate the OSD menu.
2. 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 ▼ and ▲ buttons to select the desired parameter.
5. 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. Gaming



- **Overclocking:** This function allows you to adjust the refresh rate up to 320Hz.
- **Variable OD**: Accelerate response time from **0** to **20** levels using Over Drive technology.
- **Variable Refresh Rate**: It can allow an Adaptive-Sync, G-Sync Compatible and 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.
- **ELMB Setup:** Check to decrease motion blur and minimize ghosting part when on-screen objects are fast moving. ELMB is disabled if input V frequency less than 85Hz. ELMB SYNC on support when Adaptive-Sync ON.

  * **ELMB** can only be activated when Variable Refresh Rate is Off and the refresh rate is 100Hz,120Hz, 240Hz, 300Hz or 320HZ. This function eliminates screen tearing, reduces ghosting and motion blur when playing games. The function includes 5-level clarity and position adjustment.

  To activate **ELMB**, turn off **Variable Refresh Rate** function first.

  * **ELMB SYNC:** Allows you to turn on the function when **Variable Refresh Rate** is On. This function eliminates screen tearing, reduces ghosting and motion blur when playing games.
- **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.

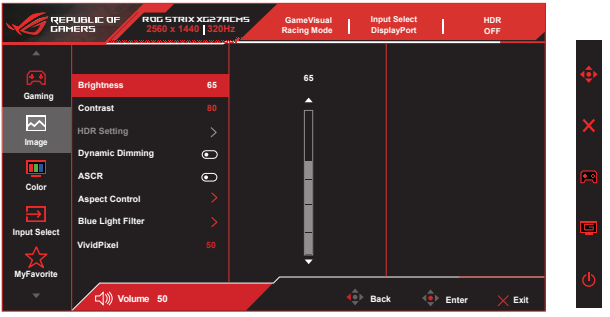
- **GameVisual**: This function contains nine sub-functions that you can select for your preference.
- **Shadow Boost**: Dark color enhancement adjust monitor gamma curve to enrich the dark tones in an image making dark scenes and objects much easier be found.
- **ASUS DisplayWidget Center**: DisplayWidget Center is a powerful monitor management software, which is designed to help you optimize, personalize, and fully utilize your display. Scan the QR code to access the website for more information.



- In the sRGB Mode, the Saturation, Color Temp. and Contrast functions are not user-configurable.
- Variable OD will be turned off when GamePlus/Sniper is turned on.
- In the MOBA Mode, the Saturation, VividPixel and Shadow Boost functions are not user-configurable.
- In 2560x1440@320Hz mode, set the Aspect Control to 24.5" Simulation, Variable OD will have no effect due to bandwidth limitation.

2. Image

- You can adjust **Brightness, Contrast, VividPixel ,HDR Setting, ASCR, Aspect Control** and **Blue Light Filter** from this main function.



- **Brightness**: The adjusting range is from **0** to **100**.
- **Contrast:** The adjusting range is from **0** to **100**.
- **HDR Setting**: High Dynamic Range. Contains three HDR modes (**Gaming HDR, Cinema HDR, Console Mode**) and **Adjustable HDR**.
- **Dynamic Dimming**:Dynamic local dimming, turn on this feature to improve the dynamic contrast.
- **ASCR**: Select **ON** or **OFF** to enable or disable dynamic contrast ratio function.
- **Aspect Control**: Adjusts the aspect ratio to **16:9** and **eSports.**
- **Blue Light Filter:** Adjust the energy level of blue light emitted from LED backlight.
- **VividPixel:** ASUS Exclusive Technology that brings lifelike visuals for crystal-clear and detail-oriented enjoyment. The adjusting range is from **0** to **100**.

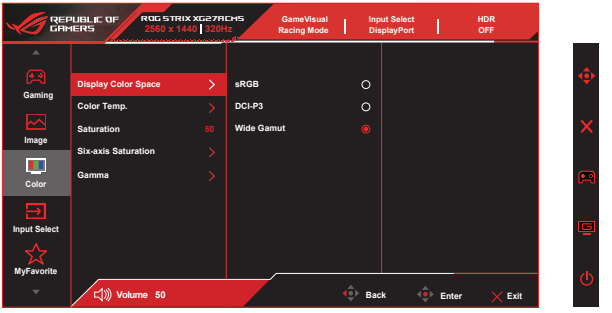
- When Adjustable HDR is On, brightness is adjustable in HDR mode .
- Due to bandwdith limitaiton, DSC shoud be turned on to enable HDR in 2560x1440 @ 300Hz/320Hz mode.
- When Blue Light Filter is activated,the default settings of Racing Mode will be automatically imported.
- Between Level 1 to Level 3, the Brightness function is user-configurable.
- The Monitor uses low blue light panel and compliance with TUV Rheinland Low Blue Light Software Solution at factory reset/ default setting mode.

Please refer to the following to alleviate eye strains:

- Users should take some time away from the display if working for long hours. It is advised to take short breaks (at least 5 mins) after around 1 hour of continuous working at the computer. Taking short and frequent breaks is more effective than a single longer break.
- To minimize eye strain and dryness in your eyes, users should rest the eye periodically by focusing on objects that are far away.
- Eye exercises can help to reduces eye strain. Repeat these exercises often. If eye strain continues please consult a physician. Eye exercises: (1) Repeating look up and down (2) Slowly roll your eyes (3) Move your eyes diagonal.
- High energy blue light may lead to eye strain and AMD (Age-Related Macular Degeneration). Blue light filter to reduce 70% (max.) harmful blue light to avoiding CVS (Computer Vision Syndrome).

3. Color

Select the image color you like from this function.

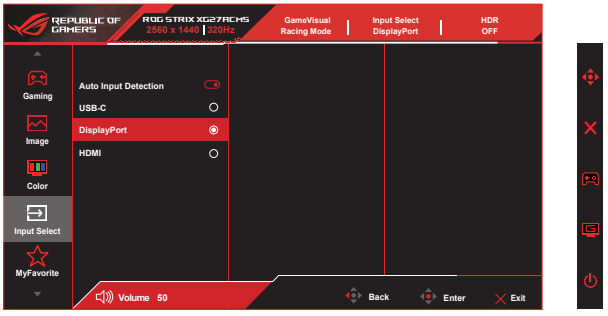


- **Display Color Space**: Contains three preset color modes **sRGB, DCI-P3,** and **Wide Gamut** Mode.
- **Color Temp.**: Contains seven preset color modes (**4000K, 5000K, 6500K, 7500K, 8200K, 9300K, 10000K**) and **User** Mode.
- **Saturation**: The adjusting range is from **0** to **100**.
- **Six-axis Saturation**: Set **R/G/B/C/M/Y** saturation. The range is from **0** to **100**.
- **Gamma**: Contains five gamma modes including **1.8, 2.0, 2.2, 2.4, 2.6**.

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

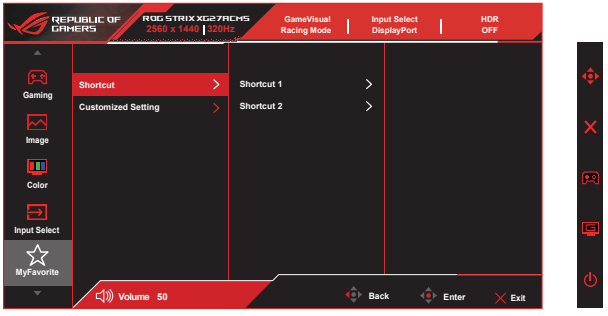
4. Input Select

Select the input source: **Auto Input Detection , USB-C , DisplayPort** and **HDMI**.



5. MyFavorite

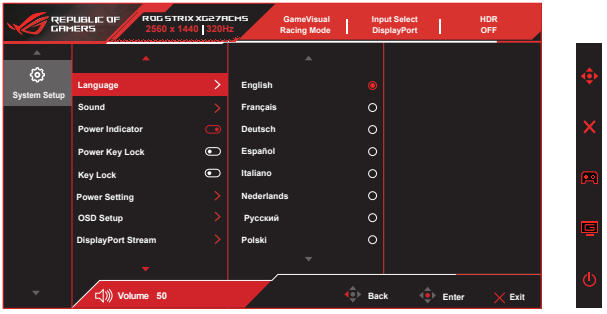
You can adjust **Shortcut** and **Customized Setting** from this main function.



- **Shortcut:** User can select from "**GamePlus, GameVisual, Variable OD, Brightness, Mute, Shadow Boost, Contrast, Input Select, HDR Setting, Blue Light Filter, Color Temp., Volume (Earphone Out), Customized Setting-1 , Customized Setting-2** " and set as shortcut key.
- **Customized Setting:** You can do your setting according to your favorite.

6. System Setup

Adjusts the system configuration.





- **Language**: Select OSD language. The selections are: **English**, **French**, **German**, **Spanish**, **Italian**, **Dutch**, **Russian**, **Poland, Czech, Croacia, Hungary, Romania, Portugal, Turkey, Simplified Chinese, Traditional Chinese, Japanese, Korean, Persian, Thai, Indonesian, Ukrainian,** and **Vietnamese.**
- **Sound**: Selects **Volume (Earphone Out)** to adjust the output volume level. Selects "**Mute**" to mute the output volume.
- **Power Indicator**: Turn the power LED indicator on/off.
- **Power Key Lock**: To disable / enable power key
- **Key Lock**: Disable all key functions. Pressing the down button for more than five seconds to disable key lock function.
- **Power Setting**: Use to select **Performance Mode** or **Power Saving Mode**.
- **OSD Setup**: Adjusts the **OSD Position**, **OSD Timeout**, **Transparency**, and **DDC/CI** of the OSD screen.

- **DisplayPort Stream**: Select **DisplayPort 1.2** if your graphics card is not compatible with **DisplayPort 1.4**.
- **DSC Support**: Enable/Disable the DSC (Display Stream Compression) function.



- 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.

- **ASUS Power Sync:** Enables or disables the ASUS Power Sync function. To activate this function, please enable this function of the monitor via HDMI port.

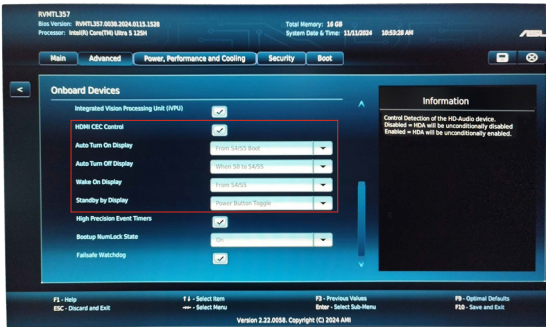


- When Auto Input Detection is enabled, the monitor won't switch to DC OFF once the source device is turned off.

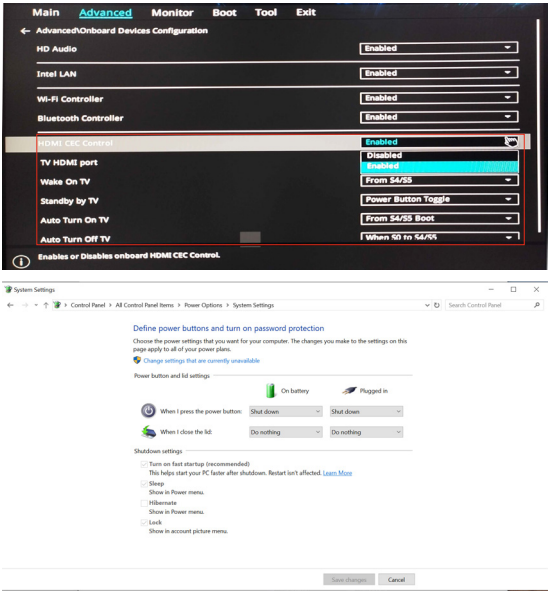
Please take a look at the ASUS website to check which devices are compatible with this function.

To enable monitor to turn on and off the hardware or vise versa, please set up your computer BIOS by the following.

- BIOS set up instruction for ASUS NUC:



- BIOS set up instruction for ASUS Mini PC:



- **Information**: Display the monitor information.
- **All Reset**: Selects "**Yes**" to revert all settings to the factory default mode.

- Please turn off HDR function before activating the Power saving mode.
- When Auto Input Detection is enabled, the monitor won't switch to DC OFF once the source device is turned off.

3.2 Specifications

Model	XG27ACMS
Panel Size	27” W (68.5 cm)
Recommend Resolution	2560 x 1440
Brightness	350nits (typ.), 500nits (HDR, peak)
Intrinsic Contrast Ratio (Typ.)	1000:1
Viewing Angle (CR>10)	178°(V) /178°(H)
Display Colors	1.07 B
Response Time	1ms(GTG), 0.3ms(min)
Sound from HDMI/ DP/ Type-C	Yes
HDMI input	Yes
DisplayPort input	Yes
Type-C input	Yes (Support DP alt mode and PD 15W 5V/3A)
Earphone	Yes
Digital signal Frequency	DP: 490KHz to 490KHz(H)/48Hz to 320Hz(V) HDMI: 30KHz to 490KHz(H)/48Hz to 320Hz(V)
Power Consumption	27.0 W***
Chassis Colors	Dark Gray
Power saving mode	< 0.5W
Power off mode	< 0.3W
Tilt	-5° ~ +20°
Phys. Dimension with stand (WxHxD)	614.81 x 512.88 x 218.82 mm (highest) 614.81 x 392.88 x 218.82 mm (lowest)
Phys. Dimension without stand (WxHxD)	614.81 x 367.08 x 60.12 mm
Box Dimension (WxHxD)	780 x 226 x 515 mm
Net Weight (Esti.)	6.52 kg
Net Weight without stand	3.81 kg
Gross Weight (Esti.)	8.9 kg
Voltage Rating	100~240V, 50/60Hz
Temperature (operating)	0°C ~ 40°C

***Specifications are subject to change without notice.**

****Measuring a screen brightness of 200 nits wighout audio/ USB/ Card reader connection.**

3.3 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. • Check Power Indicator function in main menu OSD. Select “ON” to turn on power LED.
The power LED lights amber 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 Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
No sound or sound is low	• Adjust the volume settings of both your monitor and computer. • Make sure the computer sound card driver is properly installed and activated. • Check the audio source.

3.4 Supported Timing ListSupport Timing

Support Timing

Timing	Resolution	HDMI	DP/Type-c
PC Timing	640x480-60Hz	V	V
PC Timing	640x480-75Hz	V	V
PC Timing	800x600-60Hz	V	V
PC Timing	800x600-75Hz	V	V
PC Timing	1024x768-60Hz	V	V
PC Timing	1024x768-75Hz	V	V
PC Timing	1280x960-60Hz	V	V
PC Timing	1280x720-60Hz	V	V
PC Timing	1280x1024-60Hz	V	V
PC Timing	1600x1200-60Hz	V	V
PC Timing	1920x1080-60Hz	V	V
Video Timing	640x480-60Hz	V	V
Video Timing	720x480-60Hz	V	V
Video Timing	720x576-50Hz	V	V
Video Timing	1280x720-50Hz	V	V
Video Timing	1280x720-60Hz	V	V
Video Timing	1920x1080-24Hz	V	V
Video Timing	1920x1080-25Hz	V	V
Video Timing	1920x1080-30Hz	V	V
Video Timing	1920x1080-50Hz	V	V
Video Timing	1920x1080-60Hz	V	V
Video Timing	1920x1080-100Hz	V	V
Video Timing	1920x1080-120Hz	V	V
Video Timing	3840x2160-24Hz	V	V
Video Timing	3840x2160-25Hz	V	V
Video Timing	3840x2160-30Hz	V	V
Video Timing	3840x2160-50Hz	V	V
Video Timing	3840x2160-60Hz	V	V
Video Timing	3840x2160-100Hz	V	V
Video Timing	3840x2160-120Hz	V	V

24.5” Simulation Timing

Timing	Resolution	HDMI	DP/Type-c
Detail Timing	2332x1308-60Hz	V	V
Detail Timing	2332x1308-120Hz	V	V
Detail Timing	2332x1308-300Hz	V	V
Detail Timing	2332x1308-320Hz	V	V
Detail Timing	2560x1440-60Hz	V	V
Detail Timing	2560x1440-120Hz	V	V

Square Timing

Timing	Resolution	HDMI	DP/Type-c
Detail Timing	1280x960-300Hz	V	V
Detail Timing	1280x960-320Hz	V	V
Detail Timing	1024x768-300Hz	V	V
Detail Timing	1024x768-320Hz	V	V
Detail Timing	1152x864-300Hz	V	V
Detail Timing	1152x864-320Hz	V	V
Detail Timing	1920x1440-300Hz	V	V
Detail Timing	1920x1440-320Hz	V	V
Detail Timing	1440x1080-300Hz	V	V
Detail Timing	1440x1080-320Hz	V	V
Detail Timing	1728x1080-300Hz	V	V
Detail Timing	1728x1080-320Hz	V	V
Detail Timing	2560x1440-60Hz	V	V
Detail Timing	2560x1440-120Hz	V	V

16:9 Timing

Timing	Resolution	HDMI	DP/Type-c
Detail Timing	2560x1440-60Hz	V	V
Detail Timing	2560x1440-120Hz	V	V
Detail Timing	2560x1440-240Hz	V	V
Detail Timing	2560x1440-300Hz	V	V
Detail Timing	2560x1440-320Hz	V	V
Detail Timing	1920x1080-240Hz	V	V
Detail Timing	1920x1080-300Hz	V	V
Detail Timing	1920x1080-320Hz	V	V

*** 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.**

3.5 Enabled & Unavailable OSD Feature Functions

Enabled Function	Unavailable Functions
Overclocking	Power Saving Mode
Variable Refresh Rate	ELMB
ELMB	Variable Refresh Rate, ELMB Sync, Brightness, HDR Setting, Blue Light Filter
ELMB Sync	ELMB, Brightness, HDR Setting, Blue Light Filter
Clarity Level	Variable Refresh Rate, ELMB Sync, Brightness, HDR Setting, Blue Light Filter
Clarity Position	Same as Clarity Level
HDR Setting	ELMB, ELMB Sync, Sniper, GameVisual, Shadow Boost, Brightness, Contrast, ASCR
Dynamic Dimming	ELMB, ELMB Sync, Blue Light Filter, ASCR, Aspect Control
ASCR	ELMB, ELMB Sync, Dynamic Dimming
Aspect Control	ELMB, ELMB Sync, Dynamic Dimming
Blue Light Filter	ELMB, ELMB Sync, Dynamic Dimming