ROG STRIX OLED XG27AQDMES

USER GUIDE

Table of contents

Notices iii

Safety information v

Care & Cleaning ix

Takeback Services x

1.1 Welcome 1-1

1.2 Package contents 1-1

1.3 Assembling the monitor 1-2

1.4 Connect cables 1-3

1.4.1 Rear of the OLED monitor 1-3

1.5 Monitor introduction 1-4

1.5.1 Using the Controls button 1-4

1.5.2 GameVisual Function 1-5

2.1 Adjusting the monitor 2-1

2.2 Outline dimension 2-2

2.3 Detaching the arm/stand (for VESA wall mount) 2-3

3.1 OSD (On-Screen Display) menu 3-1

3.1.1 How to reconfigure 3-1

3.1.2 OSD Function Introduction 3-2

3.2 Specifications 3-14

3.3 Troubleshooting (FAQ) 3-15

3.4 Supported Timing List 3-16

Copyright © 2025 ASUSTeK COMPUTER INC. All Rights Reserved.

No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of ASUSTeK COMPUTER INC. (“ASUS”).

Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification of alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

ASUS PROVIDES THIS MANUAL “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL ASUS, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSINESS AND THE LIKE), EVEN IF ASUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ARISING FROM ANY DEFECT OR ERROR IN THIS MANUAL OR PRODUCT.

SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FURNISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE, AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY ASUS. ASUS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS OR INACCURACIES THAT MAY APPEAR IN THIS MANUAL, INCLUDING THE PRODUCTS AND SOFTWARE DESCRIBED IN IT.

Products and corporate names appearing in this manual may or may not be registered trademarks or copyrights of their respective companies, and are used only for identification or explanation and to the owners' benefit, without intent to infringe.

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

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

The Monitor uses low blue light panel and compliance with TÜV Rheinland Low Blue Light Hardware Solution at factory reset/default setting mode.

TÜV Rheinland Flicker Free Certification.

This product to ascertain whether the display produces visible and invisible flicker for the human eye and therefore strains the eyes of users.

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

ASUSTeK Computer Inc.
Address 1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Telephone +886-2-2894-3447
Fax +886-2-2894-7798
E-mail info@asus.com.tw
Website http://www.asus.com.tw/

Technical Support
Telephone +86-21-38429911

ASUS Computer International (America)
Address 48720 Kato Rd, Fremont, CA 94538, USA
Telephone +1-510-739-3777
Fax +1-510-608-4555
Website http://usa.asus.com/

Technical Support
Telephone +1-812-282-2787 (English Only)
+1-905-370-2787 (French Only)
Online Support http://support.asus.com/

ASUS Computer GmbH (Germany and Austria)
Address Harkortstr. 21-23 D-40880 Ratingen, Germany
Telephone +49-1805-010920
Website http://www.asus.de/
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.

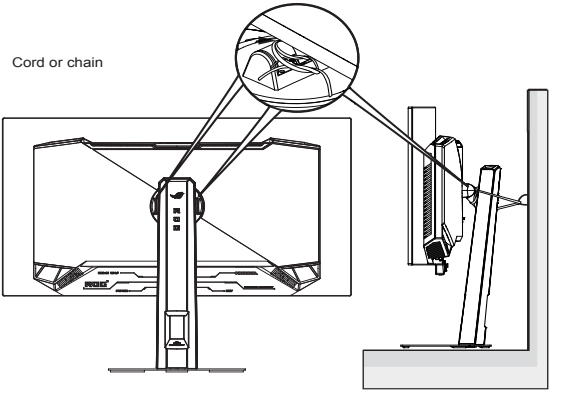
Restriction on Hazardous Substances statement (India)

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.

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.
- Please use the method above to 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 LCD. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Please check local regulations for disposal of electronic products.

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. **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® OLED Gaming monitor!

The latest widescreen OLED 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:

- ✓ OLED Monitor
- ✓ Monitor Stand
- ✓ Monitor Base
- ✓ Quick Start Guide
- ✓ Warranty Card
- ✓ Power Cord
- ✓ DP Cable
- ✓ HDMI Cable（optional)
- ✓ ROG wall mount kit
- ✓ ROG Sticker
- ✓ ROG Pouch
- ✓ Microfiber Cloth
- ✓ Cleaning Card

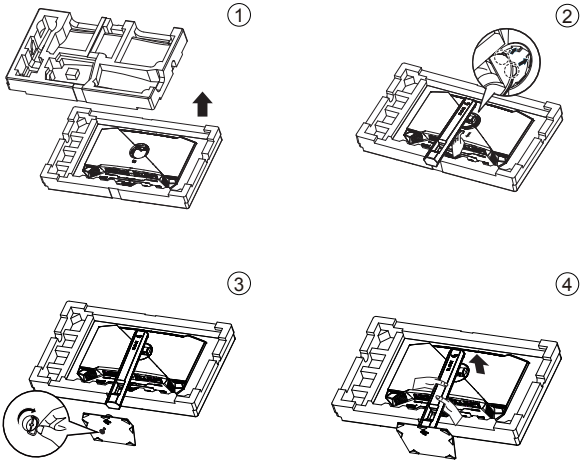
- If any of the above items is damaged or missing, contact your retailer immediately.

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. Take out all accessories from the EPS.
2. Align and install the stand to its compartment on the rear of the monitor.
3. Align and install the base to the stand. Then fix the base to the stand by fastening the bundled screw.
4. Remove the monitor from the bottom EPS.

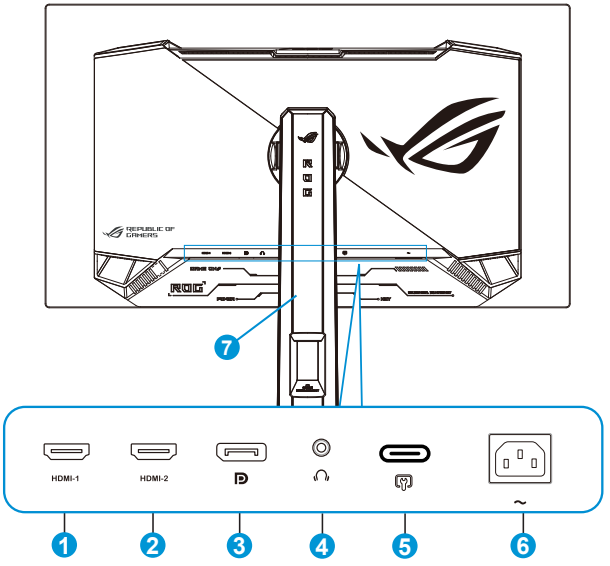


- Please do not hold the panel. We recommend to hold the monitor stand to pick up monitor.
- Base screw size: M6 x 15 mm

*Adjust the monitor to the angle that is most comfortable for you.

1.4 Connect cables

1.4.1 Rear of the OLED monitor

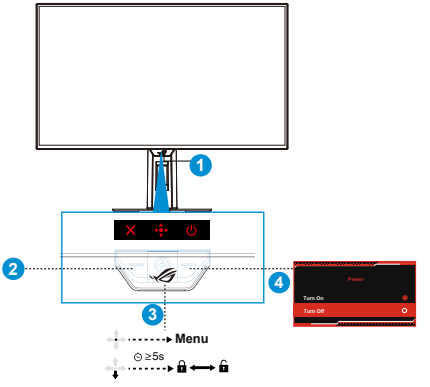


1. HDMI-1 Port
2. HDMI-2 Port
3. DisplayPort
4. Earphone Out Port
5. Type-C (for Service only)
6. AC-IN Port
7. Kensington Lock

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
Red	ON
Amber	Standby mode
Amber flashing	Pixel cleaning
OFF	OFF

   - Neo proximity sensor: Measure the distance between the user and monitor.

2. Close Button:
   - When the OSD menu is ON, press to exit the OSD menu.

3. (5-way) Button:
   - Press this button to turn on the OSD menu.
   - Increases/Decreases values or moves your selection up/down/ left/right

4. Power Button:
   - Press this button to turn the monitor off. Press any key to turn on the monitor.

- To change the hotkey function,go to the MyFavorite >Shortcut menu.

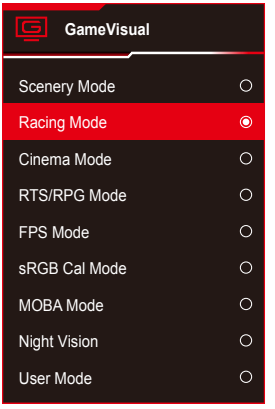
1.5.2 GameVisual Function

The GameVisual function helps you select among different picture modes in a convenient way.

To activate GameVisual:

1. Press the GameVisual hotkey. By default, the button up is set as GameVisual hotkey.
   To change the hotkey function, go to the **MyFavorite > Shortcut** menu.
2. Move the button up/down to select among different modes.
   - **Scenery Mode:** This is the best choice for scenery photo or movie displaying with GameVisual™ Video intelligence Technology.
   - **Racing Mode:** This is the best choice for racing game playing with GameVisual™ Video intelligence Technology and for document editing. In this mode is applied reduced input lag (by pass FRC).
   - **Cinema Mode:** This is the best choice for generic movie watching and movie watching with GameVisual™ Video intelligence Technology.
   - **RTS/RPG Mode:** This is the best choice for generic game playing and Real-Time Strategy (RTS)/ Role-Playing Game (RPG) playing with GameVisual™ Video intelligence Technology.
   - **FPS Mode:** This is the best choice for dark scenery game playing, movie watching, and First Person Shooter game playing with GameVisual™ Video intelligence Technology.
   - **sRGB Cal Mode:** This is the best choice for viewing photos and graphics from PCs.
   - **MOBA Mode:** This is the best choice for Multiplayer Online Battle Arena (MOBA) games playing with GameVisual™ Video intelligence Technology.
   - **Night Vision :**This is the best choice for dark scenery playing with GameVisuall™ Video intelligence Technology.
   - **User Mode:** More items are adjustable in the Color menu.

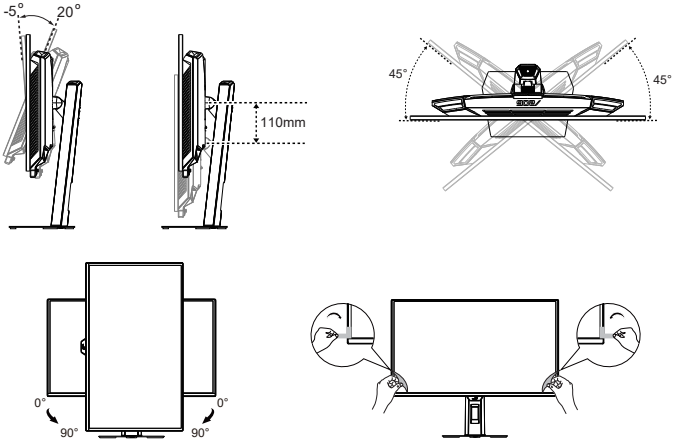
- In the sRGB Cal Mode, the Contrast and Color functions are not user-configurable.
- In the MOBA Mode, the Saturation, VividPixel and Six-axis Saturation functions are not user-configurable.



3. Press the button to confirm the selection.

2.1 Adjusting the monitor

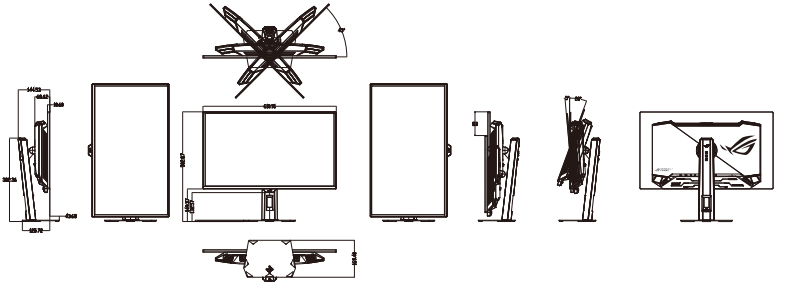
- Peel off the protective film from the screen using the tear tab.
- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- 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



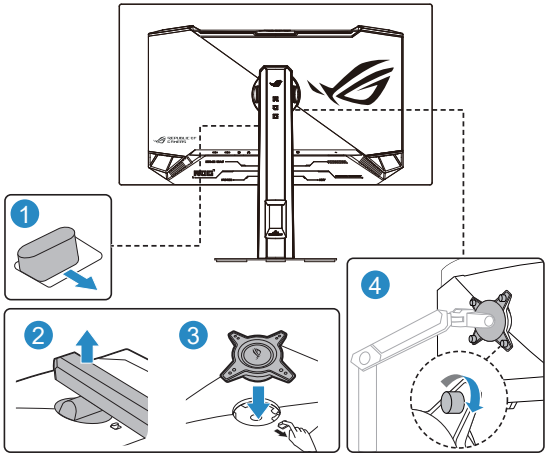
2.3 Detaching the arm/stand (for VESA wall mount)

- 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

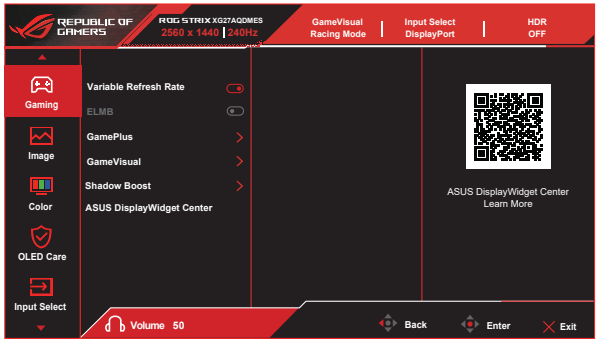
1. Press the release button to detach the stand from the monitor.
2. Then remove the stand.
3. Install VESA wall mount kit if you need to use VESA wall mount.
4. Then install the monitor to the wall mount.



- 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

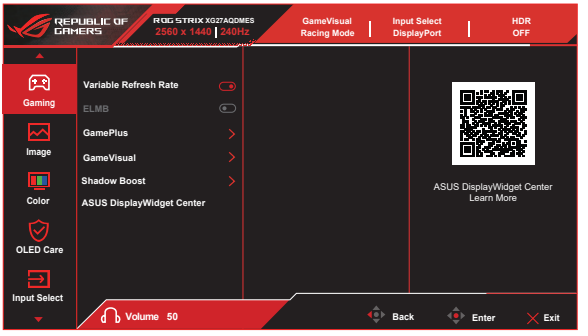


1. Press the MENU button to activate the OSD menu.
2. Press the ▼ and ▲ buttons to toggle between options in the menu. As you move from one icon to another, the option name is highlighted.
3. To select the highlighted item on the menu press the center key.
4. Press the ▼ and ▲ buttons to select the desired 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

Configure your gaming preferences.



- **Variable Refresh Rate**: Allow an Adaptive-Sync 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.

  - Variable Refresh Rate can only be activated within 48Hz~240Hz for both HDMI and DisplayPort sources.
  - The following functions will be disabled when Variable Refresh Rate is turned on:
    – ELMB

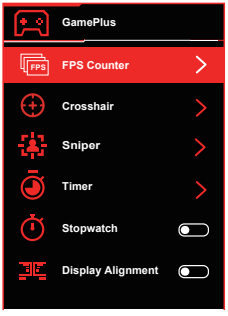
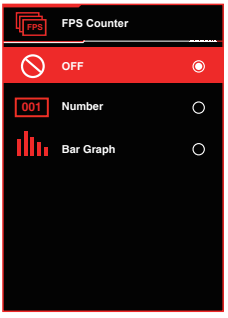
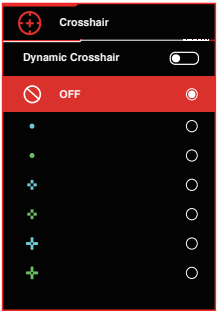
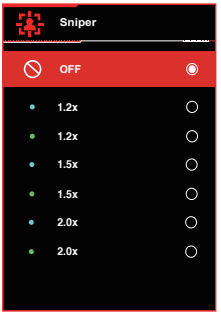
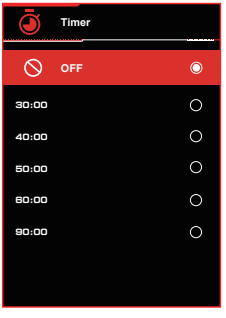
- **ELMB:** Check to decrease motion blur and minimize ghosting part when on-screen objects are fast moving. ELMB is enabled if input V frequency is 120Hz.

  - To activate ELMB, turn off Variable Refresh Rate function first.
  - ELMB works on vertical frequency 120Hz only.
  - The following functions will be disabled when ELMB is turned on:
    – Variable Refresh Rate
    – Uniform brightness
    – Aspect Control
    – Blue Light Filter
    – HDR Setting
    – Sniper

- **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.
  - Crosshair/Timer/Stopwatch/FPS Counter is movable by pressing 5-way key.

GamePlus shortcut menu	GamePlus-FPS	GamePlus-Crosshair
		
GamePlus-Sniper	**GamePlus-Timer**	
		

- **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:** Learn more detail about ASUS DisplayWidget Center tool by scanning the QR code.

ASUS DisplayWidget Center is an app that allows you to tweak monitor settings with a mouse instead of using the buttons on the monitor. The app saves monitor settings and also provides system notifications and facilitates automatic updates.

2. Image

Configure the image settings.

- **Brightness**: Adjust the brightness level.
- **Uniform Brightness:** With the feature enabled, the system will not adjust the maximum brightness of the screen when the screen is displayed in a different screen size.
- **Contrast:** Adjust the contrast level.
- **OLED Anti-Flicker:** Designed to enhance your viewing experience by stabilizing the refresh rate within a specified range.

- OLED Anti-Flicker only supports in the limited refresh rate.
- This function is only available when the input source is DisplayPort .

- **HDR Setting**: Set the HDR mode to Gaming HDR, Cinema HDR, Console HDR, Adjustable HDR. The HDR brightness can be adjusted when the Brightness Adjustable function is enabled.

  - When displaying HDR content, the following functions are not available: GameVisual, Shadow Boost, Brightness, Contrast, Aspect Control, Blue Light Filter, Color Temp., Gamma, Saturation.
  - The following functions will be disabled when HDR is turned on:
    – ELMB
    – Sniper
    – GameVisual
    – Shadow Boost
    – Brightness
    – Uniform Brightness
    – Contrast
    – Blue Light Filter
    – Color Temp.
    – Saturation
    – Six-Saturation
    – Gamma
    – Power Saving
  - HDR PQ curve will be affected when the brightness adjustment is ON under HDR mode.

- **Aspect Control**: Adjust the aspect ratio to **16:9 or Square** to enjoy different gaming scenario.

  - Select **Square** to display the picture according to the original aspect ratio of the input source.
  - The following functions will be disabled when Aspect Control is turned on:
    – ELMB

- **Blue Light Filter:** Adjust the energy level of blue light emitted from OLED.
  - **OFF:** No change.
  - **Level 1~4:** The higher the level, the less blue light is scattered. 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 userconfigurable. Level 4 is optimized setting. The Brightness function is not user-configurable.

- When the user adjusts blue light filter bar to maximum level.

Please refer to the following to alleviate eye strain:

- 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).

- **VividPixel:** Enhance the outline of the displayed picture and generates high-quality images on screen.

3. Color

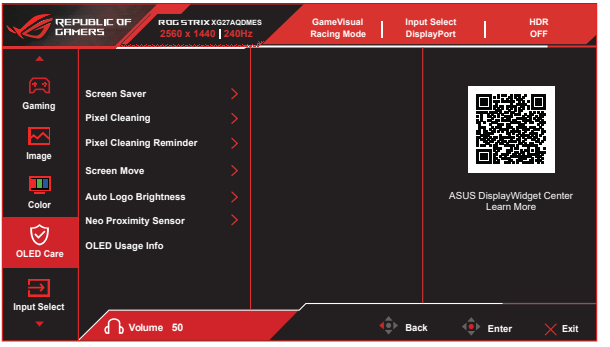
Select the image color you like from this function.

- **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. OLED Care

Configure the screen protection related settings.



- **Screen Saver:** Enable/Disable the screen saver function. The screen brightness will automatically decrease when there is no change on the screen.
- **Pixel Cleaning:** It calibrates any issues that may arise on the screen when your monitor has been turned on for a long time. The process will take approximately 6 minutes. This function will automatically activate when the monitor is turn off. Do not unplug the power cord while it is in progress. If you power on the monitor, the Pixel Cleaning will stop operating.
- **Pixel Cleaning Reminder:** Set a reminder for user to perform the Pixel Cleaning.

The screen may have mura and image sticking due to OLED characteristic during the initial use or re-used after a long time. It is advised to perform Pixel Cleaning while turning on monitor to make sure situation disappear.

- **Screen Move:** Select the screen movement level to prevent image sticking on the display panel.
- **Auto Logo Brightness:** Enable this function to allow the system to automatically adjust the logo brightness to correct the potential picture quality issues.
- **Neo Proximity Sensor:** If the function is enabled and the system does not detect the presence of object within 60 cm – 120 cm (depending on your selection) over the present time, the monitor will apply Screen-off.

  Screen off time can be set as 5 minute,10 minutes,or 15 minutes.

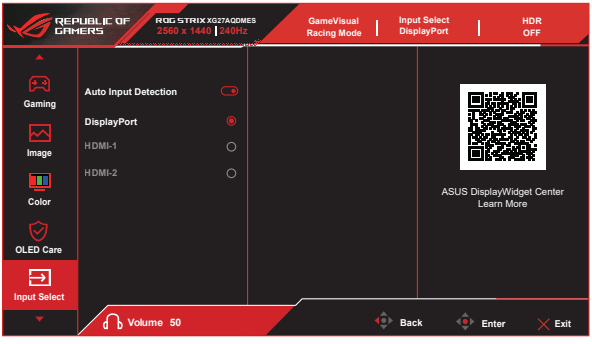
- **Tailored mode:** Allows users to customize the Neo Proximity Sensor detection distance. It is recommended to set the distance within 120cm. After a set period of time, the monitor will apply Screen-off.

- The angle and placement of the monitor sensor might affect the signal detection results.
- Before using the sensor, make sure the sensor window is clean and free of dirt, and ensure that no objects are covering the sensor window.

- **OLED Usage Info:** Record the number of times the Pixel Cleaning has been performed and displays the Pixel Cleaning interval information.

5. Input Select

Select your desired input source and toggle the Auto Input Detection function between on and off. The monitor input source will not automatically switch when the Auto Input Detection function is disabled.



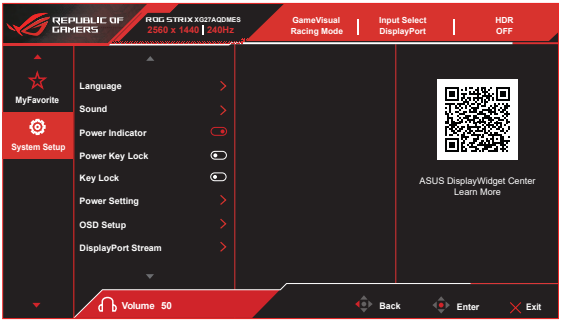
6. MyFavorite

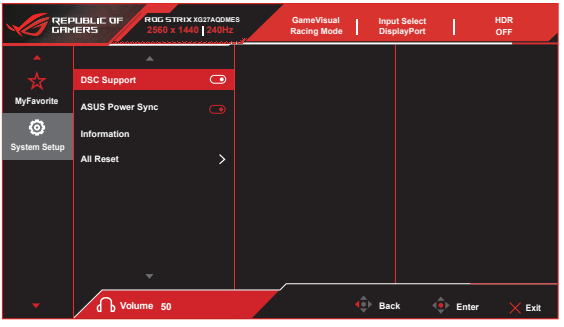
Assign a function to the shortcut button, save the current system configurations, or restore the system configuration.

- **Shortcut:** User can select from "**GamePlus, GameVisual, Brightness, Mute, Shadow Boost, Contrast, Input Select, HDR Setting, Blue Light Filter, Color Temp., Volume (Earphone Out), Pixel Cleaning, Customized Setting-1 , Customized Setting-2** and set as shortcut key.
- **Customized Setting:** Load/Save all settings on the monitor.

7. 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**: Configure the sound related settings.
  - **Volume (Earphone Out):** Adjust the volume level.
  - **Mute:** Enable/Disable the mute function.
- **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**.

- Please turn off HDR function before activating the Power saving mode.
- In order to comply with regulatory power consumption standards, the Power saving mode is designed to be the most energy-efficient setting. However, this may cause some inconvenience during use. It is recommended to adjust the settings under the Performance mode to better suit your personal preferences.

- **OSD Setup**: Configure the OSD menu related settings.
  - **OSD Position:** Set the OSD menu position.
  - **OSD Timeout:** Adjust the OSD timeout.
  - **Transparency:** Adjust the OSD background from opaque to transparent.
  - **DDC/CI:** Enable/Disable the DDC/CI function.
- **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.

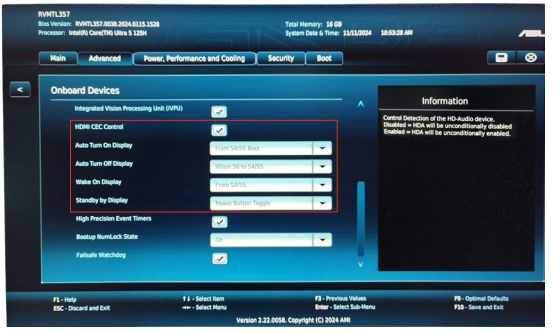
- **ASUS Power Sync:** Enables or disables the ASUS Power Sync function. To activate this function, please enable this function of the monitor via HDMI port.

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

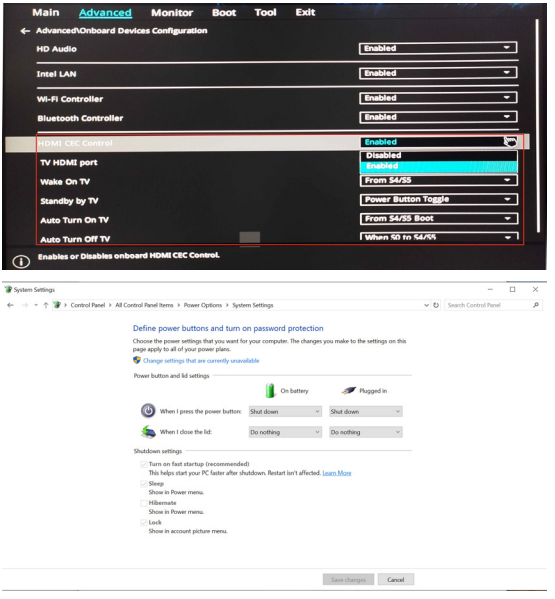
Please take a look at the ASUS website to check which devices are compatible with this function.

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.

3.2 Specifications

Model	XG27AQDMES
Panel Size	26.5”W (67.3cm)
Max. Resolution	2560x1440
Brightness	200nits (Typ.)/ 400nits (HDR peak)
Intrinsic Contrast Ratio (Typ.)	1.5M:1
Viewing Angle (CR=10)	178°(V) /178°(H)
Display Colors	1.07B
Color Saturation	99% DCI-P3 (Typ.)
Response Time	0.03m (GTG)
Digital input	HDMI v2.1 x 2 , DisplayPort v1.4 x 1
Earphone Output	Yes
Sound from HDMI/DP	Yes
Power ON Consumption	25 W**
Chassis Colors	Black
Power saving mode	< 0.5W
Power off mode	< 0.3W
Tilt	-5° ~ +20°
Swivel	-45˚ ~ +45˚
Height adjustment	110 mm
Phys. Dimension (WxHxD)	611 x 503 x 188 mm (highest) 611 x 393 x 188 mm (lowest)
Phys. Dimension without stand (WxHxD) (For VESA Wall Mount)	611 x 370 x 69 mm
Box Dimension (WxHxD)	780 x 470 x 186 mm
Net Weight (Esti.)	6.80 kg
Net Weight (Esti. w/o stand)	4.88 kg
Gross Weight (Esti.)	8.90 kg
Voltage Rating	100~240V, 50/60Hz, 1.5A
Operational temperature	0~40°

***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 working properly.
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 List

Support Timing

Timing	Resolution	HDMI	DP
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	1280x720-60Hz	V	V
PC Timing	1280x960-60Hz	V	V
PC Timing	1280x1024-60Hz	V	V
PC Timing	1600x1200-60Hz	V	V
PC Timing	1920x1080-60Hz	V	V
Video Timing	640x480P-59.94/60Hz	V	V
Video Timing	720x480P-59.94/60Hz	V	V
Video Timing	720x576P-50Hz	V	V
Video Timing	1280x720P-50Hz	V	V
Video Timing	1280x720P-59.94/60Hz	V	V
Video Timing	1920x1080P-24Hz	V	V
Video Timing	1920x1080P-25Hz	V	V
Video Timing	1920x1080P-30Hz	V	V
Video Timing	1920x1080P-50Hz	V	V
Video Timing	1920x1080P-60Hz	V	V
Video Timing	1920x1080P-100Hz	V	V
Video Timing	1920x1080P-119.88/120Hz	V	V
Video Timing	3840x2160-24Hz	V	
Video Timing	3840x2160-25Hz	V	
Video Timing	3840x2160-30Hz	V	
Video Timing	3840x2160-50Hz	V	
Video Timing	3840x2160-60Hz	V	
Video Timing	3840x2160-100Hz	V	
Video Timing	3840x2160-120Hz	V	

24.5” Simulation Timing

Timing	Resolution	HDMI	DP
Detail Timing	2560x1440-60Hz	V	V
Detail Timing	2560x1440-120Hz	V	V
Detail Timing	2368x1332-60Hz	V	V
Detail Timing	2368x1332-120Hz	V	V
Detail Timing	2368x1332-240Hz	V	V

Square Timing

Timing	Resolution	HDMI	DP
Detail Timing	1024x768-240Hz	V	V
Detail Timing	1152x864-240Hz		V
Detail Timing	1280x960-240Hz	V	V
Detail Timing	1440x1080-240Hz	V	V
Detail Timing	1728x1080-240Hz	V	V
Detail Timing	1920x1440-240Hz	V	V

16:9 Timing

Timing	Resolution	HDMI	DP
Detail Timing	1920x1080-240Hz	V	V
Detail Timing	2560x1440-60Hz	V	V
Detail Timing	2560x1440-120Hz	V	V
Detail Timing	2560x1440-144Hz	V	V
Detail Timing	2560x1440-165Hz	V	V
Detail Timing	2560x1440-240Hz	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.**

REPUBLIC OF
GAMERS