REPUBLIC OF GAMERS

ROG STRIX
XG27WQ
CURVED GAMING MONITOR

ASUS

First Edition
February 2020

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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 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.

This product implements power management functionality. In case of no signal input after 10 seconds, the product automatically goes to sleep/standby mode.

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.

AEEE Yönetmeliğine Uygundur

Regional Notice for 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 concentrations exceeding 0.1 % by weight in homogenous materials and 0.01% by weight in homogenous materials for cadmium, except for the exemptions listed in Schedule II of the Rule.

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 cord. 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.
- This product may contain chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.
- Provide an earthing connection before the mains plug is connected to the mains.

Care & Cleaning

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

The following symptoms are normal with the monitor:

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

Conventions used in this guide

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

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

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

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

Where to find more information

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

1. **ASUS websites**
   The ASUS websites worldwide provide updated information on ASUS hardware and software products. Refer to **http://www.asus.com**
2. **Optional documentation**
   Your product package may include optional documentation that may have been added by your dealer. These documents are not part of the standard package.

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.

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 to you!

1.2 Package Contents

Check your package for the following items:

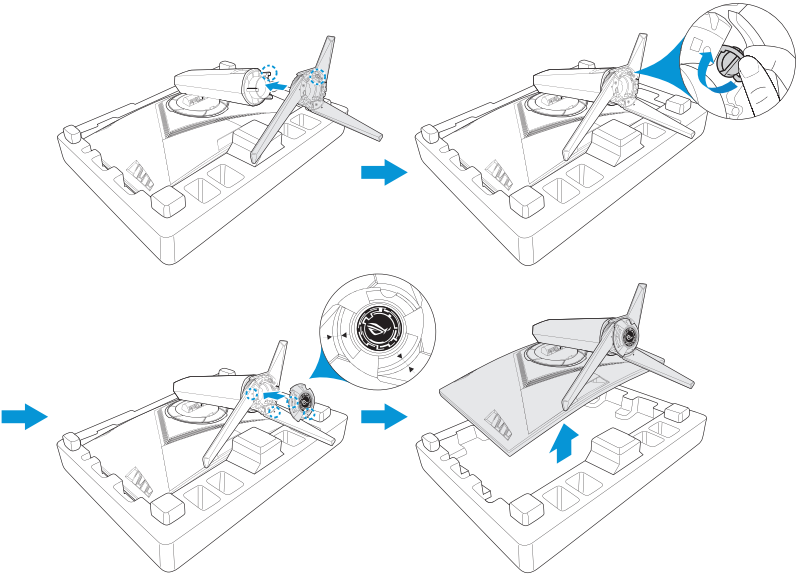
- ✓ LCD Monitor
- ✓ Monitor Base
- ✓ Quick Start Guide
- ✓ Warranty Card
- ✓ 1x USB Cable (optional)
- ✓ 1x Adaptor
- ✓ 1x Power Cord
- ✓ 1x HDMI Cable (optional)
- ✓ 1x DP Cable (optional)
- ✓ LED projection cover and changeable films (optional)
- ✓ Input/Output Ports Cover

- If any of the above items is damaged or missing, contact your retailer immediately.
- Select "ON" when you see the message "LIGHT IN MOTION ON/OFF" appears if you want to turn on the red light on the base. Select "OFF" if you want it to turn off. If you disable this function but later wish to reactivate it, please use the OSD menu to turn it on.
- If no signal is detected for around 12 minutes, the monitor automatically enters saving mode.

1.3 Assembling the Monitor Arm/Base

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

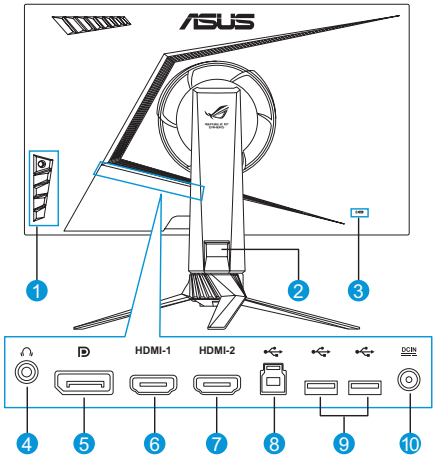
1. Align the screw hole on the arm with the bundled screw on the base. Then insert the base into the arm.
2. Fix the base to the arm by fastening the bundled screw.
3. Align the triangle marks on the monitor base and the LED projection cover. Then attach the LED projection cover to the monitor base.
4. Remove the monitor from its EPS packaging.



- Base screw size: M5 x 13 mm

1.4 Connect Cables

1.4.1 Rear of the LCD Monitor

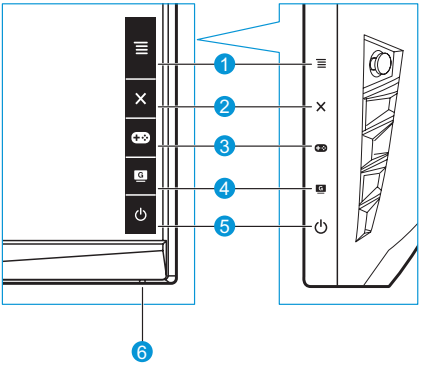


1. Control buttons
2. Cable management
3. Kensington Lock
4. Earphone jack
5. DisplayPort
6. HDMI-1 port
7. HDMI-2 port
8. USB 3.0 Type B port
9. USB 3.0 Type A port x2
10. DC-IN port

1.5 Monitor Introduction

1.5.1 Using the Control Buttons

Use the control buttons on the side of the monitor to adjust the image settings. Press key 1-5 to activate the key list page.



1. ≡ (5-way) Button:
   - Turn on the OSD menu. Enact the selected OSD menu item.
   - Increase/Decrease values or moves your selection up/down/left/right.
2. ✕ Close Button:
   - Exit the OSD menu.
   - Turn on the OSD menu when the monitor enters standby mode or display the "NO SIGNAL" message.
3. GamePlus Button:
   - Activate Crosshair, Timer, FPS Counter, or Display Alignment function.
   - Move the ≡ () button up/down to select and press ≡ () to confirm the function needed.
   - Turn on the OSD menu when the monitor enters standby mode or display the "NO SIGNAL" message.

4. GameVisual Button:
    - Press this hotkey to switch from eight video preset modes (Scenery Mode, Racing Mode, Cinema Mode, RTS/RPG Mode, FPS Mode, sRGB Mode, MOBA Mode, and User Mode) with GameVisual ™ Video Intelligence Technology.
    - Turn on the OSD menu when the monitor enters standby mode or display the "NO SIGNAL" message.
5. Power Button:
    - Press this button to turn the monitor on/off.
6. Power Indicator:
    - The color definition of the power indicator is as the table below.

Status	Description
White	ON
Amber	Standby mode
OFF	OFF

1.5.2 GamePlus Function

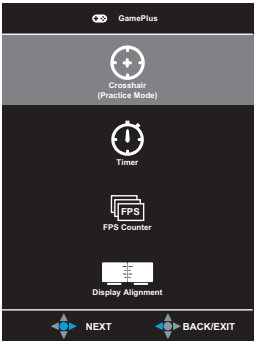
The GamePlus function provides a toolkit and creates a better gaming environment for users when playing different types of games. The crosshair overlay with four different crosshair options lets you choose the one that best suits the game you are playing. There is also an onscreen timer you can position on the left of the display so you can keep track of the elapsed gaming time; while the FPS (frames per second) counter lets you know how smooth the game is running. Display Alignment displays alignment lines on 4 sides of the screen, serving as an easy and handy tool for you to line up multiple monitors perfectly.

To active GamePlus:

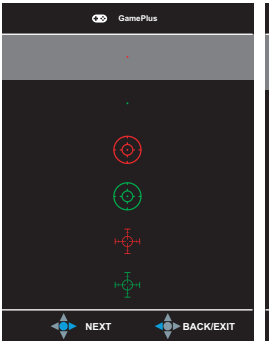
1. Press the GamePlus hotkey.
2. Move the ≡ (◎) button up/down to select among different functions.
3. Press the ≡ (◎) button or move the ≡ (◎) button right to confirm the function you choose, and move the ≡ (◎) button up/down to navigate through the settings. Move the ≡ (◎) button left to go back, off, or exit.

4. Highlight the desired setting and press the ≡ (◎) button to activate it. Press the ✕ button to inactivate it.

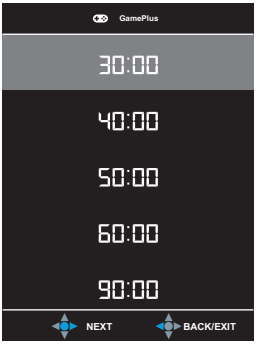
GamePlus Main Menu



GamePlus – Crosshair



GamePlus – Timer



GamePlus – FPS Counter

1.5.3 GameVisual Function

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

To active GameVisual:

Press the GameVisual hotkey repeatedly to select.

- **Scenery Mode**: This is the best choice for scenery photo displaying with GameVisual™ Video intelligence Technology.
- **Racing Mode**: This is the best choice for racing game playing with GameVisual™ Video intelligence Technology.
- **Cinema Mode**: This is the best choice for movie watching with GameVisual™ Video intelligence Technology.
- **RTS/RPG Mode**: This is the best choice for Real-Time Strategy (RTS)/ Role-Playing Game (RPG) playing with GameVisual™ Video intelligence Technology.
- **FPS Mode**: This is the best choice for First Person Shooter game playing with GameVisual™ Video intelligence Technology.
- **sRGB 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.
- **User Mode**: More items are adjustable in the Color menu.

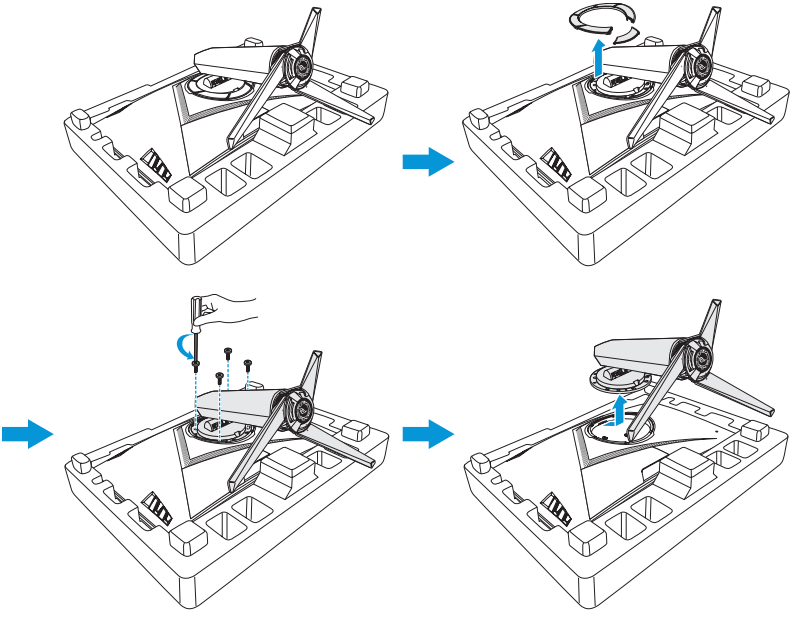
- In the Racing Mode, the Saturation, Sharpness, and ASCR functions are not user-configurable.
- In the sRGB, the Saturation, Color Temp., Sharpness, Brightness, Contrast, and ASCR functions are not user-configurable.

2.1 Detaching the Stand (for VESA Wall Mount)

- Avoid damaging the monitor surface. While detaching the monitor stand, always keep the monitor inside its EPS packaging.

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

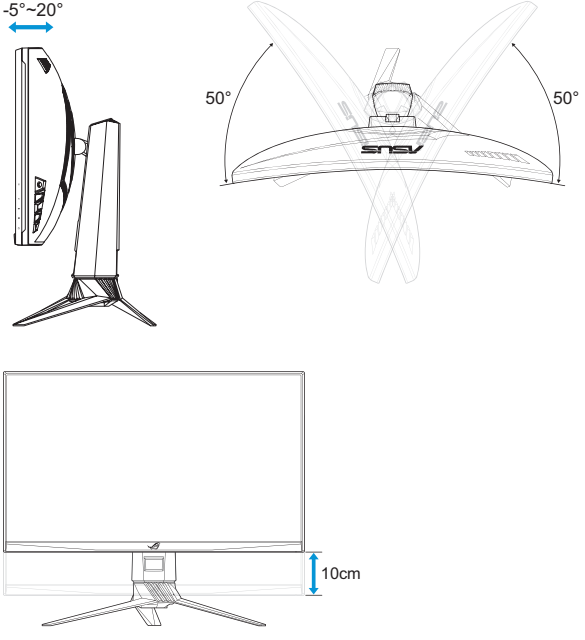
1. Disconnect power and signal cables. Carefully put the monitor facedown on its EPS packaging.
2. Remove the covers on where the monitor and the arm meet.
3. Remove the four (4) screws securing the arm to the rear of the monitor.
4. Detach the stand (arm and base) from the monitor.



- 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 15 mm).

2.2 Adjusting the Monitor

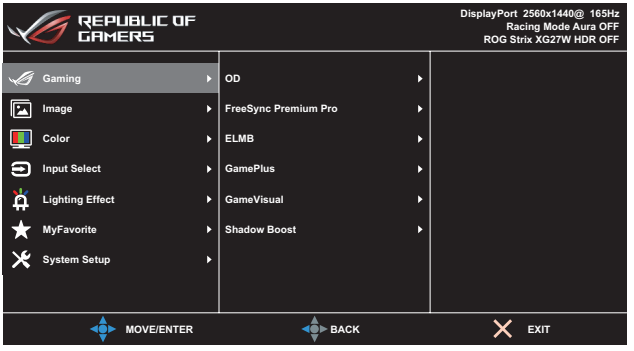
- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling while changing its angle.
- The recommended adjusting angle is -5° to +20° (for tilt)/+50° to -50° (for swiveling), and adjustable height is 10 cm.



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

3.1 OSD (On-Screen Display) Menu

3.1.1 How to Reconfigure

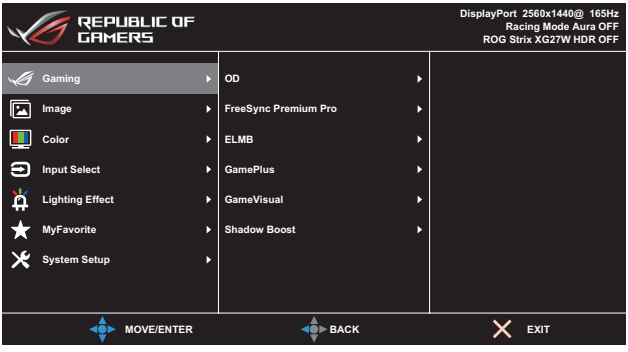


1. Press the ≡ (◎) button to activate the OSD menu.
2. Move the ≡ (◎) button up/down to navigate through the functions. Highlight the desired function and press the ≡ (◎) button to activate it. If the function selected has a sub-menu, move the ≡ (◎) button up/down again to navigate through the sub-menu functions. Highlight the desired sub-menu function and press the ≡ (◎) button or move the ≡ (◎) button right to activate it.
3. Move the ≡ (◎) button up/down to change the settings of the selected function.
4. To exit and save the OSD menu, press the ✕ button or move the ≡ (◎) button left repeatedly until the OSD menu disappears. To adjust other functions, repeat steps 1 to 3.

3.1.2 OSD Function Introduction

1. Gaming

Configure your gaming preferences.



- **OD (Over Drive)**: Speeds up the response time by Over Drive technology. The adjusting range is from lower **Level 0** to the fastest **Level 5**.
- **FreeSync Premium Pro**: Allows a FreeSync Premium Pro supported graphics source (HDMI and DisplayPort) to dynamically adjust display refresh rate based on typical content frame rates for power efficient, virtually stutter free and lowlatency display update.

- If the FreeSync Premium Pro is enabled, the ELMB function is grayed out.

- **ELMB**: Decreases motion blur and minimizes ghosting when on-screen objects are fast-moving. This function is available when the refresh rate is 100Hz, 120Hz, 144Hz, or 165Hz.

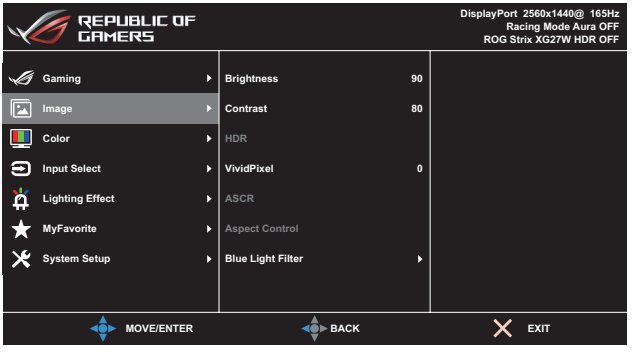
- If the FreeSync Premium Pro is enabled, the ELMB function is grayed out.
- While playing the HDR video, the ELMB function cannot be used.

- **GamePlus**: Configures the gaming environment. For more information, refer to pages 1-5 and 1-6.
- **GameVisual**: Selects the picture mode. For more information, refer to page 1-7.

- **Shadow Boost**: Adjusts the monitor gamma curve to enrich the dark tones in an image making dark scenes and objects much easier be found. Available options: **None**, **Level 1**, **Level 2**, **Level 3**, and **Dynamic Adjustment**.

2. Image

Configure the image parameters.



- **Brightness**: Adjusts the brightness level. The adjusting range is from 0 to 100.
- **Contrast**: Adjusts the contrast level. The adjusting range is from 0 to 100.
- **HDR**: High Dynamic Range. Contains three HDR modes (ASUS Cinema HDR, ASUS Gaming HDR and FreeSync Premium Pro). HDR item will be locked when connected to AMD FreeSync Premium Pro video.
- **VividPixel**: ASUS Exclusive Technology that brings lifelike visuals for crystal-clear and detail-oriented enjoyment. The adjusting range is from 0 to 100.
- **ASCR**: Enables or disables dynamic contrast ratio function.
- **Aspect Control**: Adjusts the aspect ratio to **Full** and **4:3**.

- 4:3 is only available when the input source is in 4:3 and 5:4 format.

- **Blue Light Filter**: Reduce the energy level of blue light emitted from LED backlight. To turn off the Blue Light Filter, select Level 0.

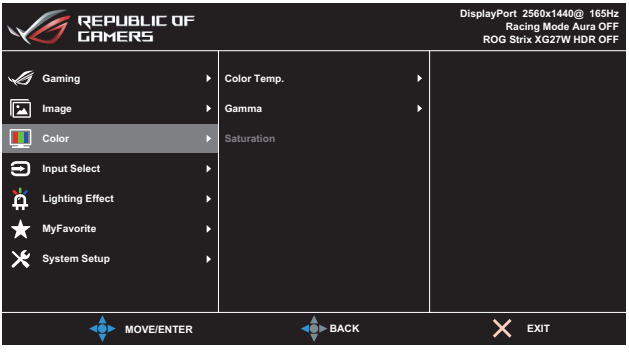
- When Blue Light Filter is activated, the default settings of Racing Mode will be automatically imported.
- Between Level 1 to Level 3, the Brightness function is user-configurable.
- Level 4 is optimized setting. It is compliance with TUV Low Blue Light Certification. The Brightness function is not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

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 menu.



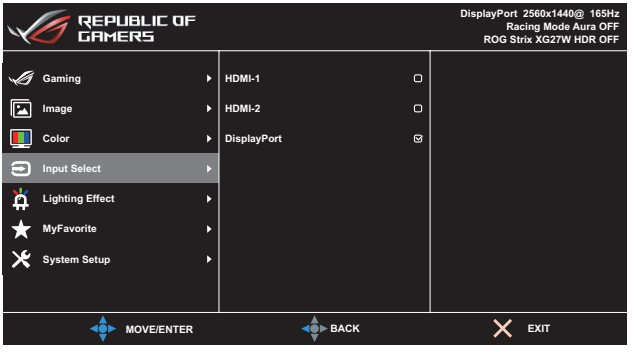
- **Color Temp.**: Selects the desired color temperature. Available options: **Cool**, **Normal**, **Warm**, and **User Mode**.

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

- **Gamma**: Allows you to set the color mode to 1.8, 2.2, or 2.5.
- **Saturation**: Adjusts the saturation level. The adjusting range is from 0 to 100.

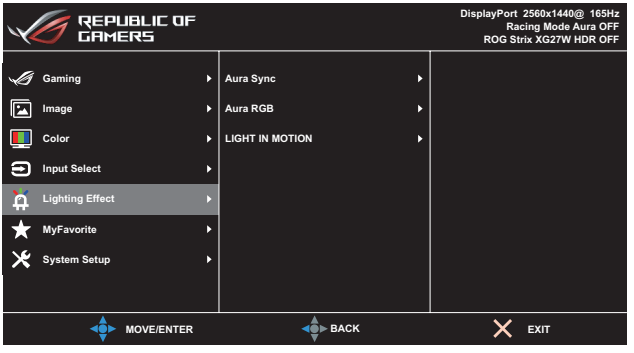
4. Input Select

Select the input source.



5. Lighting Effect

Configure the lighting effect parameters.



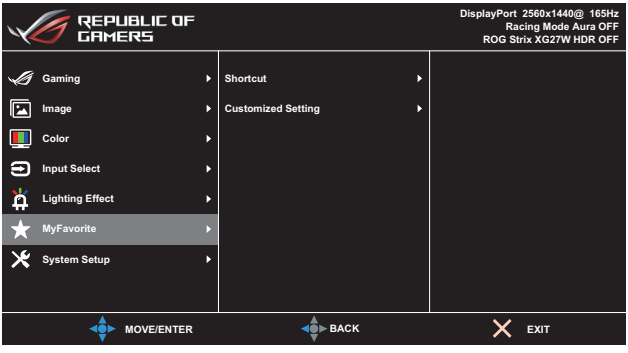
- **Aura Sync**: Allows you to turn on or off the Aura Sync function that synchronizes the Aura RGB light effect among all supported devices.
- **Aura RGB**: Sets the Aura RGB light pattern on the rear of the monitor. Available options: **Rainbow**, **Color Cycle**, **Static**, **Breathing**, **Strobing**, and **OFF**.

- For Aura RGB patterns, such as Static, Breathing, and Strobing you can set your preferred color. The color options include red (R), green (G), blue (B), cyan (C), magenta (M), and yellow (Y).

- **LIGHT IN MOTION**: Sets the red light intensity level on the base from **Level 1** to **Level 3**. To turn off the red light, set **Level 0**.

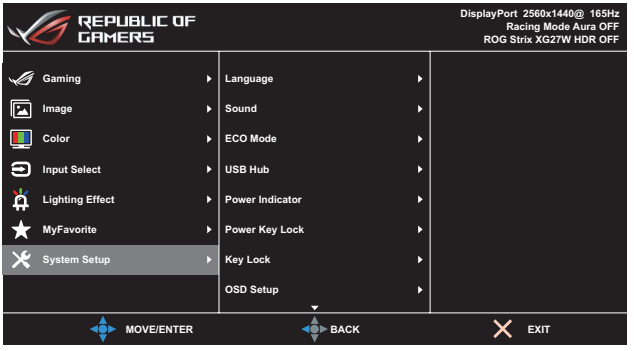
6. MyFavorite

Load/Save all settings on the monitor.

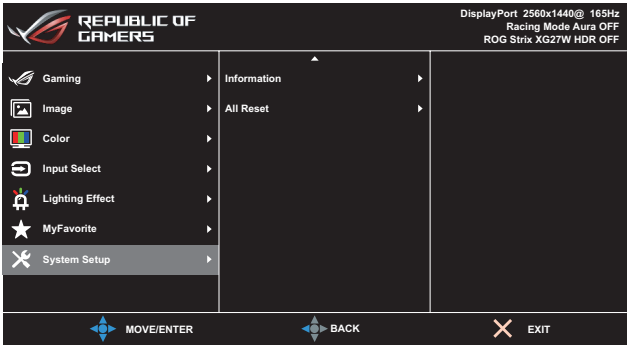


7. System Setup

Adjust the system configuration.



(Page 1/2)



(Page 2/2)

- **Language**: Selects the OSD language.
- **Sound:**
  - **Volume**: Adjusts the volume level from 0 to 100.
  - **Mute**: If checked, mutes the volume.
- **ECO Mode**: Allows you to turn on or off the ECO Mode for reducing power consumption.
- **USB Hub**: Sets the USB Hub availability during standby. Available options: **On During Standby** or **Off During Standby**.

- **Power Indicator**: Turns the power LED indicator on/off.
- **Power Key Lock**: Disables/Enables the power key.
- **Key Lock**: Pressing down the ≣ (◯) button for more than five seconds to activate or deactivate the key lock function.
- **OSD Setup**: Adjusts the **OSD Timeout**, **DDC/CI**, and **Transparency** of the OSD screen.
- **Information**: Displays the monitor information.
- **All Reset**: Select **YES** to revert all settings to the factory default mode.

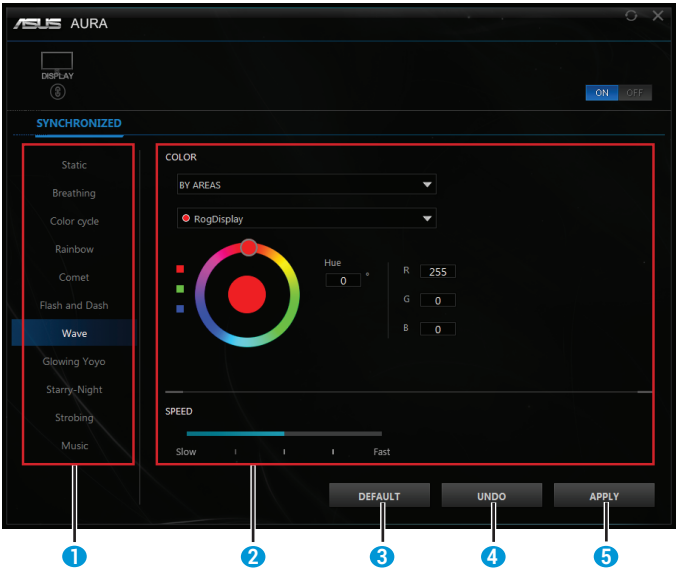
3.2 Aura

AURA is a software program that controls the colorful LEDs on supported devices, such as monitors, motherboards, graphic cards, desktop PCs, etc. Aura allows you to adjust the color of the RGB LEDs on these devices and select different light effects. You can also correct or adjust the color of the LEDs by calibrating them.

To activate Aura:

1. Turn ON the **Aura Sync** function in the OSD menu.
2. Connect the USB 3.0 upstream port of the monitor to the USB port of your computer.
3. Install AURA and then restart the computer.
4. Double-click the AURA program icon on your desktop.

Refer to the figure below for information about the AURA program functions.



① Select the desired AURA lighting effect when the system has been turned on.
② Adjust AURA lighting options.
③ Click to enable the default settings.
④ Click to undo the changes.
⑤ Click to apply the changes.

3.3 Specifications

Model		XG27WQ
Panel Size		27 inches diagonal (Active Display Area: 596.736(H) x 335.664(V) mm)
Max. Resolution		2560 (H) x 1440 (V)
Brightness (Typ.)		400 cd/m^2
Contrast Ratio (Typ.)		3000:1
Viewing Angle (CR≤10)		178°(H)/178°(V)
Display Colors		16.7M colors
Response Time		4ms (GTG); 1ms (MPRT)
Terminals	Inputs:	HDMI x 2, DP x 1, USB 3.0 (downstream) x 2, USB 3.0 (upstream) x 1
	Audio input:	N/A
	Audio output:	Yes
Power ON consumption		<24W (Measuring a screen brightness of 200 nits wihtout audio/ USB/ Card reader connection)
Standby power consumption		< 0.5W at AC110V~ AC220V
Power off power consumption		< 0.5W at AC110V~ AC220V
Phys. Dimension (incl. base) (HxWxD)		523.4 x 619.4 x 268.62 mm
Box Dimension (HxWxD)		553 ±5 x 730 ±5 x 260 ±5 mm
Net Weight (incl. stand)		6.2 ±0.5 kg
Gross Weight (Esti.)		9.3 ±1 kg
VESA Wall Mounting		Yes (100 mm x 100 mm)
Voltage Rating		DELTA: ADP-65GD B, 19Vdc 3.42A, AC100~240V at 50/60Hz
Temperature		Operating temperature: 0 ~ 40˚C Storage temperature: -20 ~ 60˚C

Model	XG27WQ
Accessories	Adapter, Power cord, Quick Start Guide, Warranty card, HDMI cable (optional), DP cable (optional), USB cable (optional), LED projection cover and changeable films (optional), Input/Output ports cover
Compliance and Standards	CCC, China Energy Label, UL/C-UL, CB, BSMI, CU(EAC), MSIP(KCC), VCCI, FCC, CE RCM, E-Standby, GEMS, KC(EK), TUV Low Blue Light/Flicker-Free, RoHS, WEEE, EuP (Energy Saving Only), Ukr SEPRO, J-MOSS, Windows 7/8.1/10WHQL
Multi-Language OSD Support	English, French, German, Spanish, Italian, Dutch, Russian, Polish, Czech, Croatian, Hungarian, Romanian, Portuguese, Turkish, Traditional Chinese, Simplified Chinese, Japanese, Korean, Persian, Thai, and Indonesian

*Specifications subject to change without notice.

3.4 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	• Press the ⏻ button to check if the monitor is turned on. • Check if the adapter and power cord are properly connected to the monitor and the power outlet. • Check the **Power Indicator** function in the OSD menu. Select "ON" to turn on the power LED.
The power LED lights white and there is no screen image	• Check if the monitor and the computer are turned on. • Make sure the signal cable is properly connected to 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 Screen image bounces or a wave pattern is present in the image	• Adjust the **Contrast** and **Brightness** settings via OSD. • 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. • Select the appropriate color temperature (**Color Temp.**) via OSD.
No sound or sound is low	• Adjust the volume settings of your monitor or computer. • Make sure the computer sound card driver is properly installed and activated. • Check the audio source.

3.5 Supported Timing List

PC Supported Primary Timing

Timing List	HDMI2.0	Display Port 1.2	Note
640x480@60Hz	V	V	
640x480@67Hz	V	V	
640x480@72Hz	V	V	
640x480@75Hz	V	V	
720x480@60Hz	V	V	
720x576@50Hz	V	V	
800x600@56Hz	V	V	
800x600@60Hz	V	V	
800x600@72Hz	V	V	
800x600@75Hz	V	V	
1024x768@60Hz	V	V	
1024x768@70Hz	V	V	
1024x768@75Hz	V	V	
1280x1024@60Hz	V	V	
1280x1024@75Hz	V	V	
1280x720@50Hz	V	V	
1280x720@60Hz	V	V	
1440x900@60Hz	V	V	
1680x1050@60Hz	V	V	
1920x1080@50Hz	V	V	
1920x1080@60Hz	V	V	
1920x1080@100Hz	V	V	
1920x1080@120Hz	V	V	
1920x1080@144Hz	V	X	
1920x1080@165Hz	X	X	
2560x1440@60Hz	V	V	Default
2560x1440@120Hz	V	V	
2560x1440@144Hz	V	V	
2560x1440@165Hz	X	V	

Video Timing

Timing List	HDMI2.0	Display Port 1.2	Note
720x480P@59.94Hz	V	V	
720x480P@60Hz	V	V	
720x576P@50Hz	V	V	
1280x720p@50Hz	V	V	
1280x720P@59.94Hz	V	V	
1280x720P@60Hz	V	V	
1920x1080P@59.94Hz	V	V	
1920x1080P@60Hz	V	V	
1920x1080P@50Hz	V	V	
1920x1080P@100Hz	V	V	
1920x1080P@120Hz	V	V	

* Modes not listed in the table may not be supported. For optimal resolution, we recommend that you choose a mode listed in the table above.

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