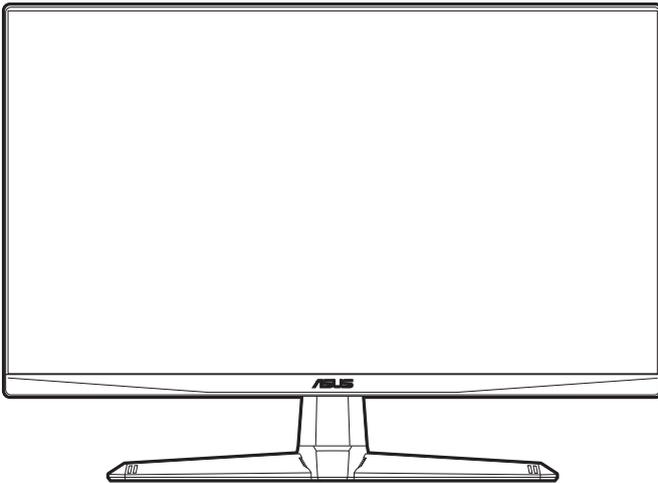


ASUS[®]

**TUF Gaming Monitor
VG249QM1A series**

User Guide



HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

First Edition

April 2022

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Notices

Federal Communications Commission Statement

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

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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



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

Canadian Department of Communications Statement

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

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

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

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



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.
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.
- Adjustment of the volume control as well as the equalizer to other settings than the center position may increase the ear-/headphones output voltage and therefore the sound pressure level.



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.

Care & Cleaning

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

The following symptoms are normal with the monitor:

- 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.

Product information for EU energy label



VG249QM1A

1.1 Welcome!

Thank you for purchasing the ASUS® LCD monitor!

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

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

1.2 Package contents

Check your package for the following items:

- ✓ LCD monitor
- ✓ Monitor base
- ✓ Quick start guide
- ✓ Warranty card
- ✓ Power cord
- ✓ DisplayPort cable (optional)
- ✓ HDMI cable (optional)
- ✓ L-shaped screwdriver & 4 screws (optional)



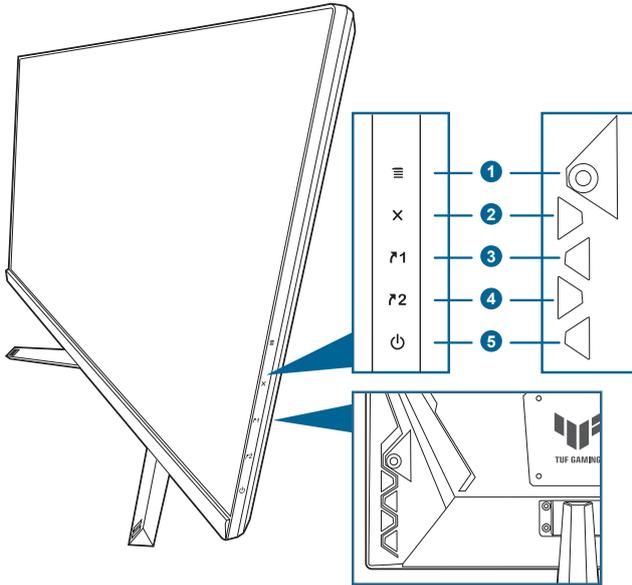
If any of the above items is damaged or missing, contact your retailer immediately.



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

1.3 Monitor introduction

1.3.1 Front view

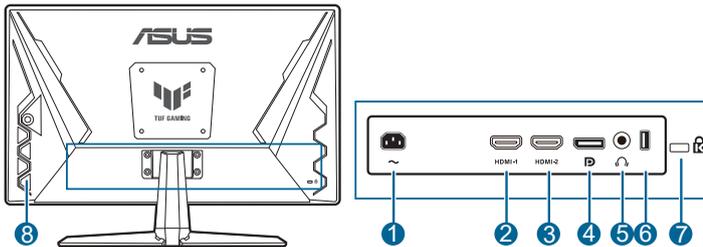


1.   5-way) button:
 - Turns on the OSD menu. Enacts the selected OSD menu item.
 - Increases/Decreases values or moves your selection up/down/left/right.
 - Displays the input selection bar when the monitor enters standby mode or displays the "NO SIGNAL" message.
2.  button
 - Exits the OSD menu item.
 - Displays the input selection bar when the monitor enters standby mode or displays the "NO SIGNAL" message.
 - Toggles the Key Lock function between on and off with a long press for 5 seconds.
3.  Shortcut 1 button:
 - Default: GamePlus.
 - To change the shortcut function, go to the MyFavorite > Shortcut > Shortcut 1 menu.
 - Displays the input selection bar when the monitor enters standby mode or displays the "NO SIGNAL" message.

4.  Shortcut 2 button:
 - Default: GameVisual.
 - To change the shortcut function, go to the MyFavorite > Shortcut > Shortcut 2 menu.
 - Displays the input selection bar when the monitor enters standby mode or displays the “NO SIGNAL” message.
5.  Power button/power indicator
 - Turns the monitor on/off.
 - The color definition of the power indicator is as the below table.

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

1.3.2 Back view



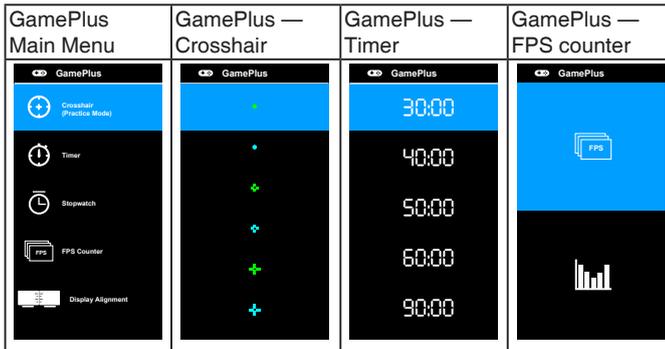
1. **AC-IN port.** This port connects the power cord.
2. **HDMI port.** This port is for connection with an HDMI compatible device.
3. **HDMI port.** This port is for connection with an HDMI compatible device.
4. **DisplayPort.** This port is for connection for a DisplayPort compatible device.
5. **Earphone jack.** This port is only available when an HDMI/DisplayPort cable is connected.
6. **USB 2.0 Type A.** This port is for service only.
7. **Kensington lock slot.**
8. **Control buttons.**

1.3.3 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 6 different crosshair options letting you choose the one that best suits the game you're playing. There are also on screen timer and stopwatch you can position on the left of the display so you can keep track of the 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, and exit.
4. Highlight the desired setting and press the  button to activate it. Press the **X** button to inactivate it.



1.3.4 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 game playing with GameVisual™ Video intelligence Technology.



-
- In the Racing mode, the following function(s) are not user-configurable: Saturation, ASCR.
 - In the sRGB mode, the following function(s) are not user-configurable: Brightness, Contrast, Saturation, Color Temp., ASCR.
 - In the MOBA mode, the following function(s) are not user-configurable: Saturation, ASCR.
-

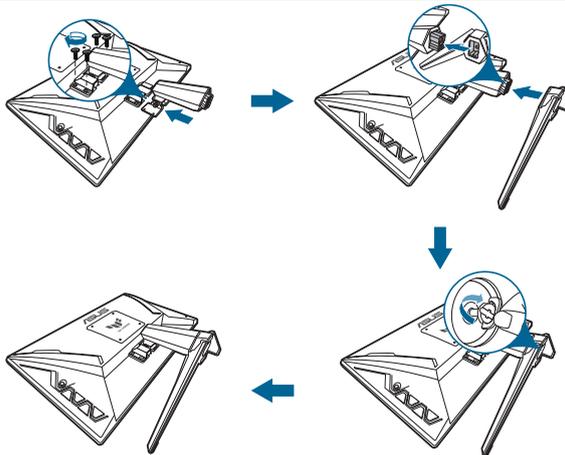
2.1 Assembling the monitor arm/base

To assemble the monitor base:

1. Have the front of the monitor face down on a table.
2. Place the arm hinge of the stand assembly onto its compartment on the rear of the monitor.
3. Attach the base into the arm, making sure the tab on the arm fits into the groove on the base.
4. Fix the base to the arm by fastening the bundled screw.



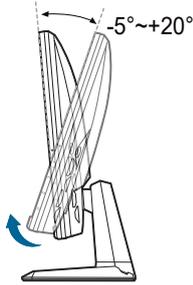
We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.



Base screw size: M6 x 16.2 mm.

2.2 Adjusting the monitor

- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- The recommended adjusting angle is $+20^{\circ}$ to -5° .



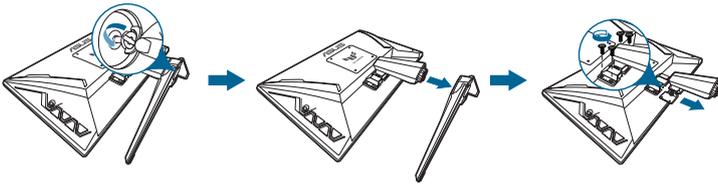
It is normal that the monitor slightly shakes while you adjust the viewing angle.

2.3 Detaching the arm (for VESA wall mount)

The detachable arm/base of this monitor is specially designed for VESA wall mount.

To detach the arm/base:

1. Have the front of the monitor face down on a table.
2. Loosen the screw on the base. (Figure 1)
3. Remove the base (Figure 2).
4. Use a screwdriver to remove the screw on the hinge (Figure 3), then remove the hinge.



(Figure 1)

(Figure 2)

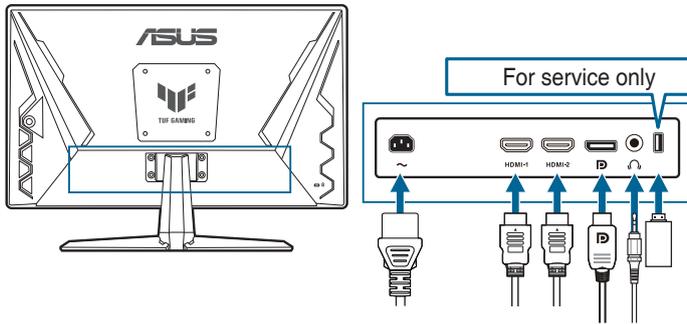
(Figure 3)



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

2.4 Connecting the cables

Connect the cables as the following instructions:



- **To connect the power cord:** Connect one end of the power cord securely to the monitor's AC input port, the other end to a power outlet.
- **To connect the DisplayPort/HDMI cable:**
 - a. Plug one end of the DisplayPort/HDMI cable to the monitor's DisplayPort/HDMI port.
 - b. Connect the other end of the DisplayPort/HDMI cable to your computer's DisplayPort/HDMI port.
- **To use the earphone:** connect the end with plug type to the monitor's earphone jack when an HDMI or DisplayPort signal is fed.



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



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

2.5 Turning on the monitor

Press the power button . See page 1-2 for the location of the power button. The power indicator  lights up in white to show that the monitor is ON.

3.1 OSD (On-Screen Display) menu

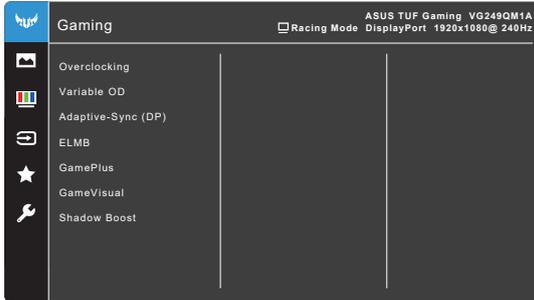
3.1.1 How to reconfigure



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 **X** button or move the  left repeatedly until the OSD menu disappears. To adjust other functions, repeat steps 1-3.

3.1.2 OSD function introduction

1. Gaming



- **Overclocking:**

- * **ON:** This function allows you to adjust the refresh rate.
- * **Max Refresh Rate:** Allows you to select a maximum refresh rate of 270Hz (Only for DisplayPort input). After selecting, press the  () button to activate the setting.



Overclocking may cause screen flickering. To reduce such effects, disconnect the DisplayPort cable and use the monitor OSD menu to try again with a safer Max. Refresh rate.

- **Variable OD:** Improves the gray level response time of the LCD panel. The adjusting range is from Level 0 to Level 5.



This function is not available when **ELMB** is enabled.

- **Adaptive-Sync (DP)/ Variable Refresh Rate:** Allows 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.



- **Adaptive-Sync (DP)/ Variable Refresh Rate** can only be activated within 48Hz~240Hz for HDMI and 48Hz~270Hz for DisplayPort.
 - For supported GPUs, minimum PC system and driver requirements, please contact the GPU manufactures.
-

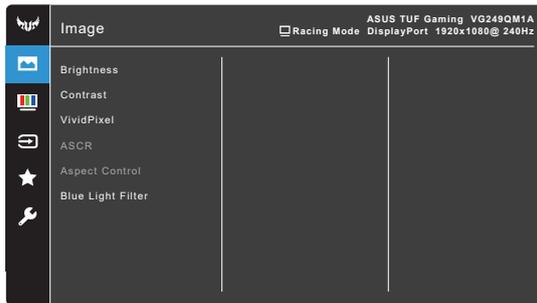
- **ELMB:** **ELMB** can only be activated when **Adaptive-Sync (DP)/ Variable Refresh Rate** is **Off** and the refresh rate is 144Hz, 240Hz, 250Hz, 260Hz or 270Hz. This function eliminates screen tearing, reduces ghosting and motion blur when playing games. The function includes 5-level clarity and position adjustment.

- **GamePlus:** See **1.3.3 GamePlus Function** for details.
- **GameVisual:** See **1.3.4 GameVisual Function** for details.
- **Shadow Boost:** Dark color enhancement adjusts monitor gamma curve to enrich the dark tones in an image, making dark scenes and objects much easier to be seen.



This function is only available in Racing mode, RTS/RPG mode, FPS mode, or sRGB mode.

2. Image



- **Brightness:** The adjusting range is from 0 to 100.
- **Contrast:** The adjusting range is from 0 to 100.
- **VividPixel:** Enhances the outline of the displayed picture and generates high-quality images on screen.
- **ASCR:** Turns on/off the ASCR (ASUS Smart Contrast Ratio) function.
- **Aspect Control:** Adjusts the aspect ratio to **Full**, or **Equivalent**.
- **Blue Light Filter**
 - * **Level 0:** 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 user-configurable. Level 4 is optimized setting. It is in compliance with TUV Low Blue Light Certification. The Brightness function is not user-configurable.



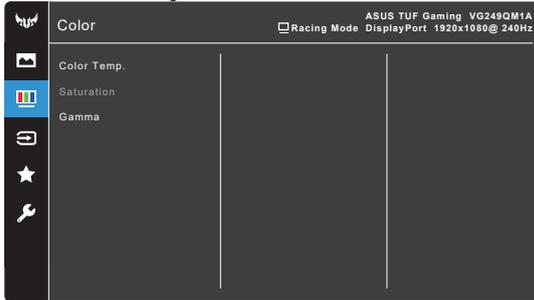
Please refer to the following to alleviate eye strains:

- 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 reduce 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

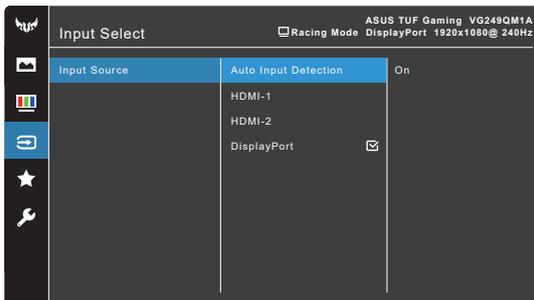
Set a desired color setting from this menu.



- **Color Temp.:** Contains 4 modes including Cool, Normal, Warm, and User Mode.
- **Saturation:** The adjusting range is from 0 to 100.
- **Gamma:** Allows you to set the color mode to 1.8, 2.2 or 2.5.

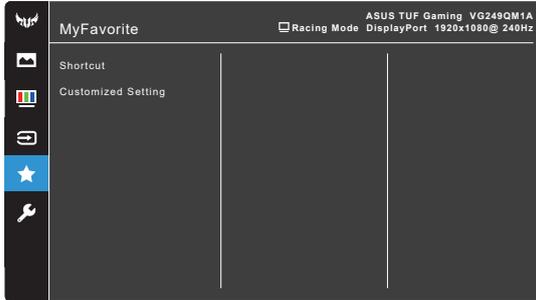
4. Input Select

In this function, you can select your desired input source and toggle the **Auto Input Detection** function between on and off.



- **Auto Input Detection:** When enabled, the system will automatically select the latest inserted I/O port.

5. MyFavorite



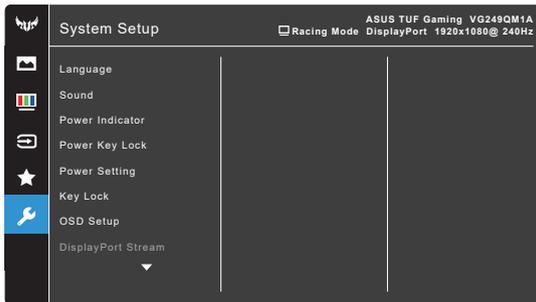
- **Shortcut:**
 - * **Shortcut 1/Shortcut 2:** Sets the shortcut functions for shortcut buttons.



When a certain function is selected or activated, your shortcut button may not support. Available function choices for shortcut: GamePlus, GameVisual, Variable OD, Shadow Boost, Brightness, Contrast, Blue Light Filter, Color Temp., Volume, Mute, Input Select, Customized Setting-1 (Load), Customized Setting-2 (Load).

- **Customized Setting:** Loads/Saves all settings on the monitor.

6. System Setup



- **Language:** There are 22 languages for your selection, including English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian.
- **Sound:** Sets the sound related settings from this menu.
 - * **Volume:** The adjusting range is from 0 to 100.
 - * **Mute:** Toggles the monitor sound between on and off.

- **Power Indicator:** Turn the power LED indicator on/off.
- **Power Key Lock:** Enables or disables the power key.
- **Power Setting:**
 - * **Standard Mode:** Normal power consumption.
 - * **Power Saving Mode:** Reduces power consumption.



The monitor brightness can only be lowered when **Power Saving Mode** is selected. If you wish to increase the brightness, choose **Standard Mode** or perform **All Reset**.

- **Key Lock:** To disable all function keys. Press **X** over 5 seconds to cancel the key lock function.
- **OSD Setup:**
 - * Adjusts the OSD timeout from 10 to 120 seconds.
 - * Enables or disables the DDC/CI function.
 - * Adjusts the OSD background from opaque to transparent.
- **DisplayPort Stream:** Compatibility with graphic card. Select **DisplayPort 1.1** or **DisplayPort 1.2** by graphic card DP version.



DisplayPort 1.1 is only available when **OverClocking** and **Adaptive-Sync (DP) Variable Refresh Rate** are off.

- **Information:** Shows the monitor information.
- **All Reset:** “Yes” allows you to restore the default settings.

3.2 Specifications summary

Panel Type	TFT LCD
Panel size	23.8"W (16:9, 60.45 cm) wide screen
Max. Resolution	1920 x 1080
Pixel pitch	0.2745 mm (H) x 0.2745 mm (V)
Brightness (Typ.)	350 cd/m ²
Contrast Ratio (Typ.)	1000:1
Contrast Ratio (Max.)	100,000,000:1 (with ASCR on)
Viewing angle(H/V) CR>10	178°/178°
Display colors	16.7 M
Response time	1ms (Gray to gray)
Color temperature selection	4 color temperatures
Analog input	No
Digital input	HDMI v2.0 x 2, DisplayPort v1.2 x 1
Earphone jack	Yes
Audio input	No
Speaker (Built-in)	2 W x 2 Stereo, RMS
USB 3.0 port	No
Colors	Black
Power LED	White (On)/Amber (Standby)
Tilt	+20° ~ -5°
VESA wall mount	100 x 100 mm
Kensington lock	Yes
Voltage rating	AC: 100~240V
Power consumption	Power On: < 18 W**, Standby: < 0.5 W, Power Off: < 0.3 W
Temperature (Operating)	0°C~40°C
Temperature (Non-operating)	-20°C~+60°C
Dimensions (W x H x D) without stand	540.86 x 324.83 x 59.68 mm
Dimensions (W x H x D) with stand	540.86 x 392.26 x 178.58 mm 605 x 152 x 416 mm (package)
Weight (Esti.)	4.2 kg (Net); 3.62 kg (without stand); 5.88 kg (Gross)
Multi-languages	22 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesian, Persian, Ukrainian)
Accessories	Quick start guide, warranty card, power cord, DisplayPort cable (optional), HDMI cable (optional), L-shaped screwdriver & 4 screws (optional)

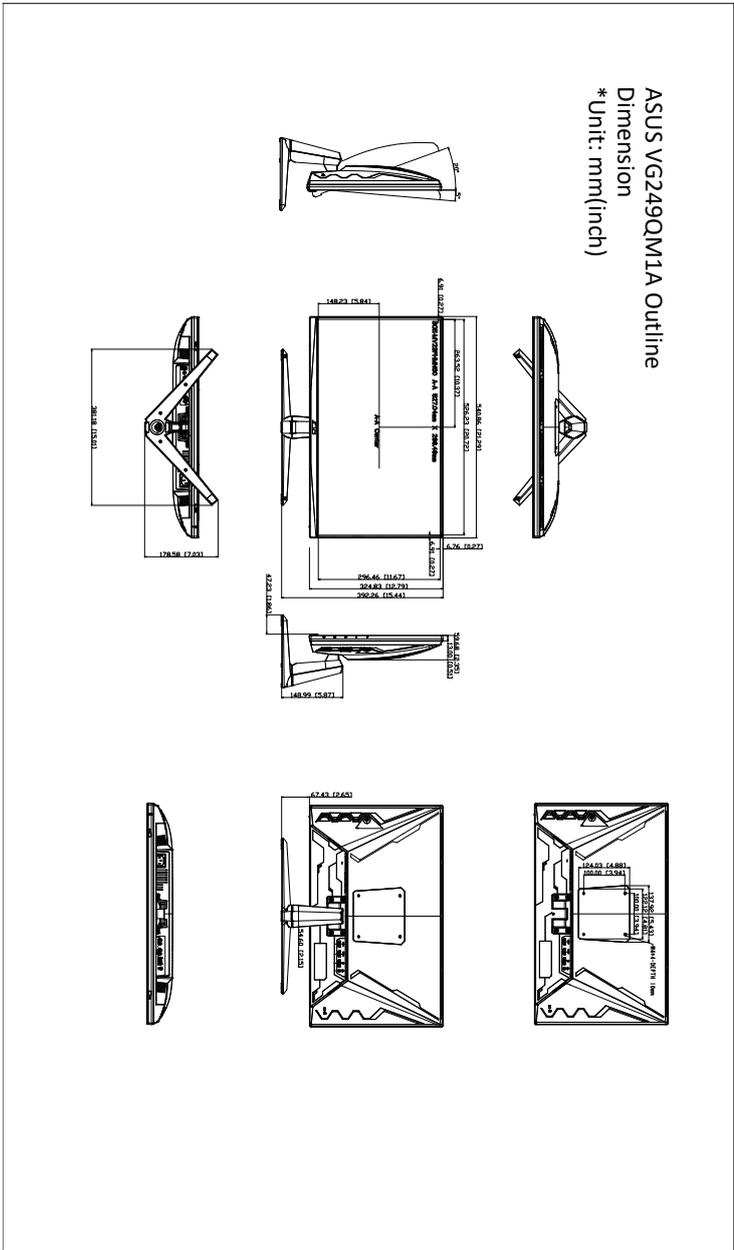
Compliance and Standards

cTUVus, CB, CE, ErP, FCC, CCC, CU, RCM, BSMI, VCCI, RoHS, J-MOSS, WEEE, Windows 10 & 11 WHQL, CEL, MEPS, PSE, UkrSEPRO, KCC, E-Standby, TUV-Flicker Free, TUV-Low Blue Light, ICES-3, PC Recycle

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

****Measuring a screen brightness of 200 nits without audio/ USB/ Card reader connection.**

3.3 Outline dimensions



3.4 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	<ul style="list-style-type: none">• Press the  button to check if the monitor is in the ON mode.• Check if the power cord is properly connected to the monitor and the power outlet.
The power LED lights amber and there is no screen image	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Adjust the Contrast and Brightness settings via OSD.
Screen image bounces or a wave pattern is present in the image	<ul style="list-style-type: none">• 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)	<ul style="list-style-type: none">• Inspect the signal cable and make sure that none of the pins are bent.• Perform All Reset via OSD.• Adjust the R/G/B color settings or select the Color Temperature via OSD.

3.5 Supported operating mode

Resolution	Frequency	Refresh Rate	Horizontal Frequency
640x350		70Hz	31.469KHz
640x350		85Hz	37.861KHz
640x480		60Hz	31.469KHz
640x480		67Hz	35KHz
640x480		75Hz	37.5KHz
640x480		85Hz	43.269KHz
720x400		70Hz	31.469KHz
720x400		85Hz	37.927KHz
800x600		56Hz	35.156KHz
800x600		60Hz	37.88KHz
800x600		72Hz	48.077KHz
800x600		75Hz	46.875KHz
800x600		85Hz	53.674KHz
832x624		75Hz	49.71KHz
848x480		60Hz	31.02KHz
1024x768		60Hz	48.363KHz
1024x768		70Hz	56.476KHz
1024x768		75Hz	60.023KHz
1024x768		85Hz	68.677KHz
1152x864		75Hz	67.5KHz
1280x720		60Hz	45KHz
1280x720		60Hz	44.772KHz
1280x720		75Hz	56.456KHz
1280x768		60Hz	47.396KHz
1280x800		60Hz	49.306KHz
1280x800		60Hz	49.702KHz
1280x800		75Hz	62.795KHz
1280x960		60Hz	60KHz
1280x1024		60Hz	63.981KHz
1280x1024		75Hz	79.976KHz
1366x768		60Hz	47.712KHz
1440x900		60Hz	55.469KHz
1440x900		60Hz	55.935KHz
1440x900		75Hz	70.635KHz
1680x1050		60Hz	64.674KHz
1680x1050		60Hz	65.29KHz

Resolution Frequency	Refresh Rate	Horizontal Frequency
1920x1080	60Hz	66.587KHz
1920x1080	60Hz	67.5KHz
1920x1080	85Hz	95.43KHz
1920x1080	100Hz	113.3KHz
1920x1080*	120Hz	135KHz
1920x1080 (DP)*	144Hz	162KHz
1920x1080 (HDMI)*	144Hz	162KHz
1920x1080 (DP/HDMI)	240Hz	270KHz
1920x1080 (DP)*	270Hz	308.33KHz
640x480P	59.94/60Hz	31.469KHz/31.5KHz
720x480P	59.94/60Hz	31.469KHz/31.5KHz
720x576P	50Hz	31.25KHz
1280x720P	50Hz	37.5KHz
1280x720P	59.94/60Hz	44.955KHz/45KHz
1440x480P	59.94/60Hz	31.469KHz/31.5KHz
1440x576P	50Hz	31.25KHz
1920x1080P	50Hz	56.25KHz
1920x1080P	59.94/60Hz	67.433KHz/67.5KHz
3846x2160P	60Hz	135KHz

Note: You must select one of the “**” timings for enabling ELMB or 144Hz feature with a compatible GPU graphic card.

