REPUBLIC OF GAMERS

PG34BQ
USER MANUAL

ASUS

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

First Edition

January 2016

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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 manufacturer's 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.

As an Energy Star® Partner, our company has determined that this product meets the Energy Star® guidelines for energy efficiency.

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.

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 extention 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.
- The adapter is only used for this monitor, do not use it for other purpose. Your device uses one of the following power supplies:
  - Manufacturer: Delta Electronics Inc., Model: ADP-120RH B

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

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:

- 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 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
- ✓ Driver and Manual disc
- ✓ Quick start guide
- ✓ Warranty card
- ✓ Power adapter
- ✓ Power cord
- ✓ DP cable
- ✓ HDMI cable
- ✓ USB cable
- ✓ Stand side covers
- ✓ input/output port cover
- ✓ ROG sticker

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

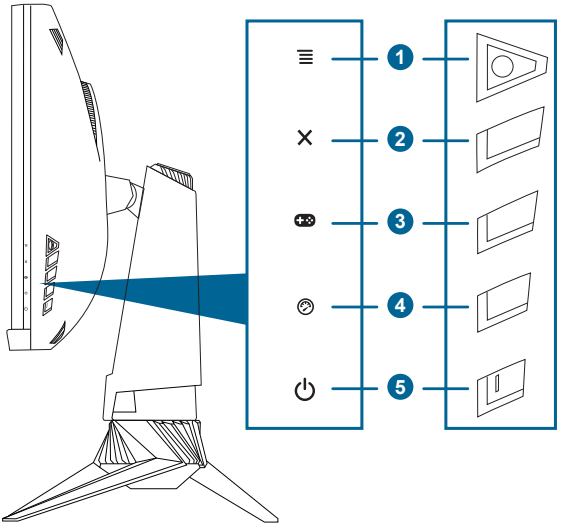
Select Level 1, 2 or 3 when you see the message “LIGHT IN MOTION ON/OFF” appears if you want to turn on the red light on the base. Select “Level 0” if you want it to turn off. If you disable this function but later wish to reactivate it, please use the OSD menu to turn it on. The monitor is Energy Star 6.0 compatible when “LIGHT IN MOTION” is “Level 0”.

If no signal is detected for around 12 minutes, the monitor automatically enters saving mode.

It is recommended that you set the DisplayPort Deep Sleep and HDMI Deep Sleep functions to “OFF”.

1.3 Monitor introduction

1.3.1 Side view



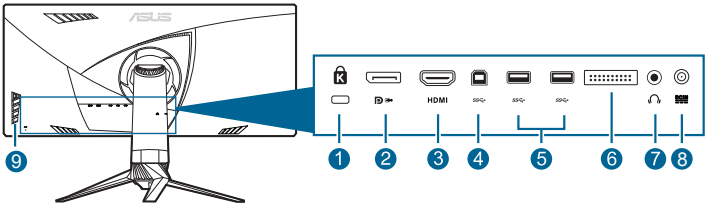
1. ☰ (▷ 5-way) button:
   - Turns on the OSD menu. Enacts the selected OSD menu item.
   - Increases/Decreases values or moves your selection up/down/left/right.
   - Turns on the OSD menu when the monitor enters standby mode or displays the “NO SIGNAL“ message.
2. ✕ button
   - Exits the OSD menu item.
   - Toggles the Key Lock function between on and off with a long press for 5 seconds.
   - Turns on the OSD menu when the monitor enters standby mode or displays the “NO SIGNAL“ message.
3. 🎮 button:
   - GamePlus hotkey. Move the ☰ (▷) button up/down to select and press ☰ (▷) to confirm the function needed.
   - Turns on the OSD menu when the monitor enters standby mode or displays the “NO SIGNAL“ message.
4. ⏲ button
   - TURBO hotkey. Press the button to select among different refresh rates. (Only for DisplayPort input)

- Turns on the OSD menu 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 flashing	Entering standby mode
Amber	Standby mode/No signal
OFF	OFF
Red	G-SYNC

1.3.2 Back view



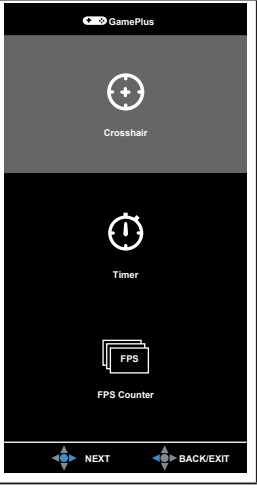
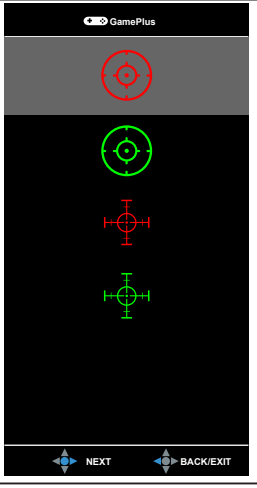
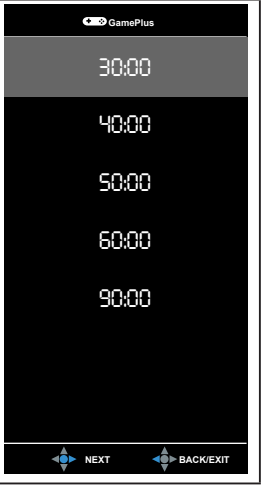
1. **Kensington lock slot.**
2. **DisplayPort.** This port is for connection for a DisplayPort compatible device.
3. **HDMI port.** This port is for connection with an HDMI compatible device.
4. **USB 3.0 upstream port**. This port is for connection with a USB upstream cable. The connection enables the USB ports on the monitor.
5. **USB 3.0 downstream ports**. These ports are for connection with USB devices, such as USB keyboard/mouse, USB flash drive, etc.
6. For service personnel only.
7. **Earphone jack.** This port is only available when an HDMI/DisplayPort cable is connected.
8. **DC-IN port.** This port connects the power cord.
9. **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. In addition, Crosshair function is specially designed for new gamers or beginners interested in First Person Shooter (FPS) games.

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 ✕ button to inactivate it.

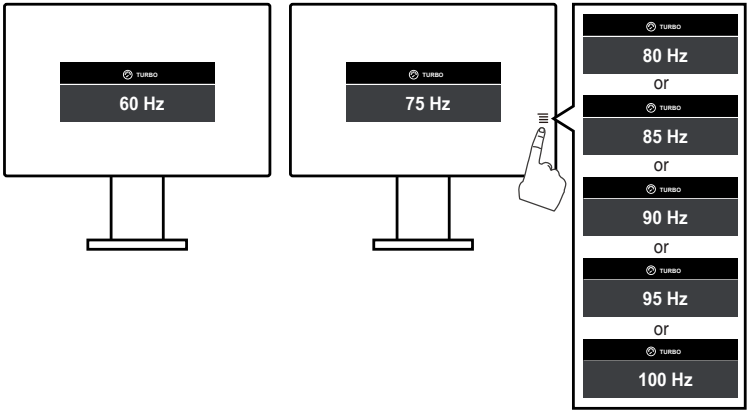
GamePlus Main Menu	GamePlus — Crosshair	GamePlus — Timer
		

1.3.4 TURBO Function (only for DisplayPort input)

The TURBO function helps you select among different refresh rates in a convenient way.

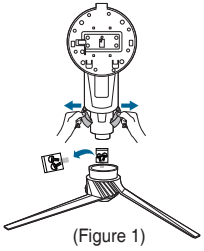
To active TURBO:

Press the TURBO hotkey repeatedly to select.

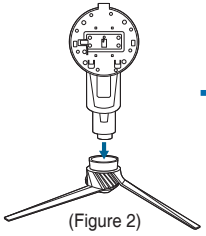


2.1 Assembling the monitor arm/base

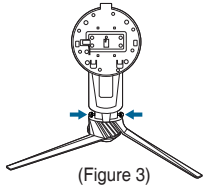
1. Remove the stand side covers from monitor arm and take out the screws. (Figure 1)
2. Insert the arm into the base. (Figure 2)
3. Fasten the screws. (Figure 3)
4. Place the front of monitor face down on the table.
5. Attach stand assembly into the monitor, making sure the tab on the upper of stand fits into the groove on the back of monitor. (Figure 4)



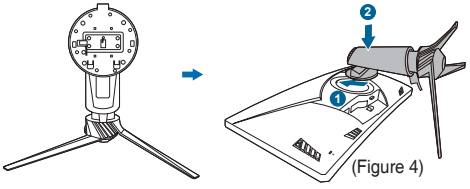
(Figure 1)



(Figure 2)



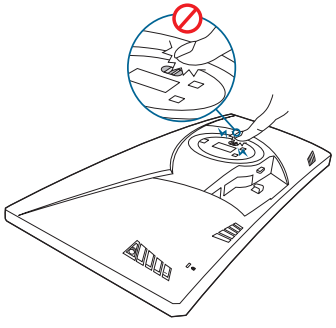
(Figure 3)



(Figure 4)

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

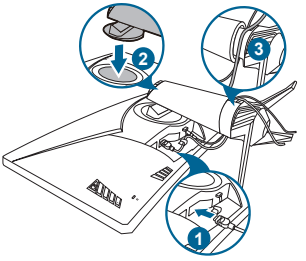
- Do not touch the metal parts on the back of the monitor.
- Do not connect the power cord before assembling the monitor arm/base.



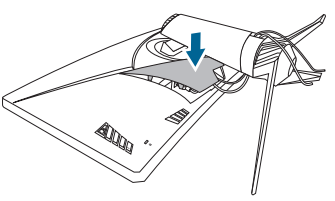
2.2 Cable management

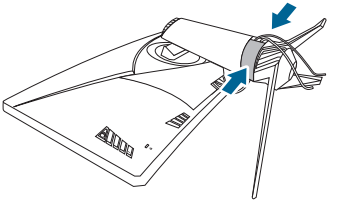
You can organize the cables with the help of the input/output port cover and stand side covers.

- **Arranging the cables**



- **Using the input/output port cover and stand side covers**: these covers can be attached or detached.

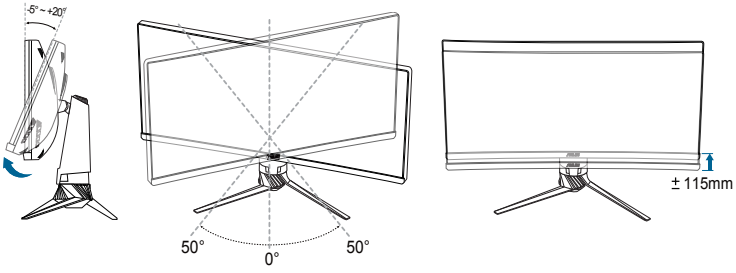




We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.

2.3 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˚ to -5˚ (for tilt)/+50˚ to -50˚ (for swiveling/ ±115 mm (for height adjustment).



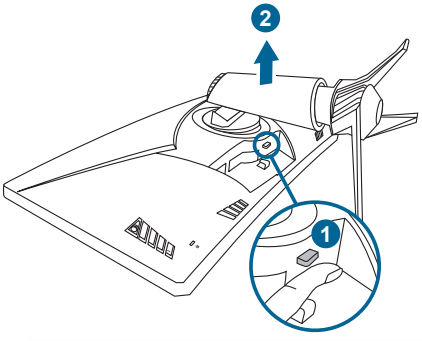
It is normal that the monitor slightly shakes while you adjust the viewing angle.

2.4 Detaching the arm (for VESA wall mount)

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

To detach the arm:

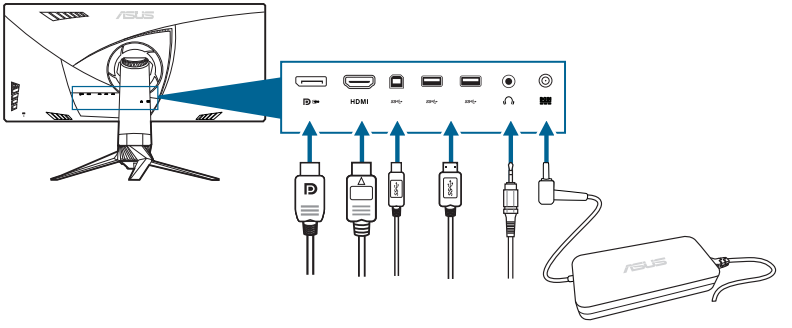
1. Place the front of the monitor face down on a table.
2. Press the release button, and then detach the arm/base from the monitor



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

2.5 Connecting the cables

Connect the cables as the following instructions:



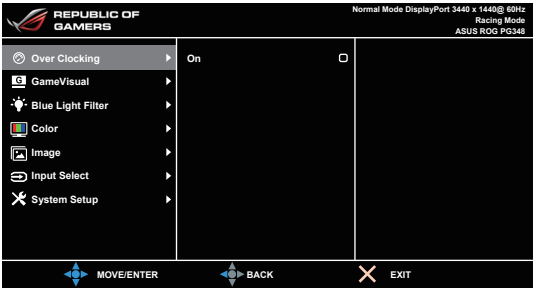
- **To connect the power cord**:
  a. Connect the power adapter securely to the monitor's DC input.
  b. Connect one end of the power cord to the power adapter and the other end to a power outlet.
- **To connect the DisplayPort/HDMI cable**:
  a. Plug one end of the DisplayPort/HDMI cable to the monitor's 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.
- **To use the USB 3.0 ports**: Take the supplied USB 3.0 cable, and plug the smaller end (type B) of the USB upstream cable to the monitor's USB upstream port, and the larger end (type A) to your computer's USB 3.0 port. Make sure your computer is installed with the lastest Windows 7/Windows 8/ Windows 10 operating system. That will enable the USB ports on the monitor to work.

2.6 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

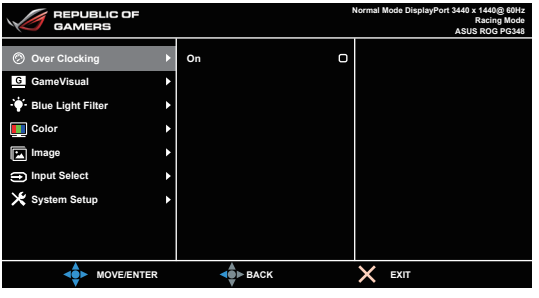


1. Press the ☰ (▷) button to activate the OSD menu.
2. Move the ☰ (▷) button up/down to navigate through the functions. Highlight the desired function and press the ☰ (▷) button to activate it. If the function selected has a sub-menu, move the ☰ (▷) button up/down again to navigate through the sub-menu 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 ✕ 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. Over Clocking

This function allows you to adjust the refresh rate.



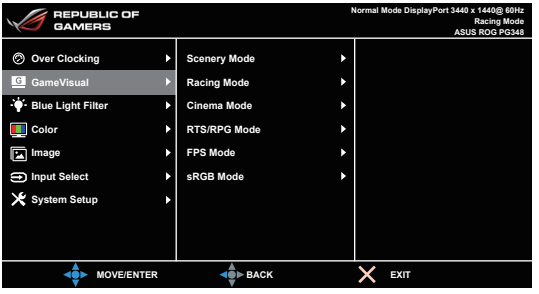
- Select “ON” if you want to enable this function.

- **Max Refresh Rate**: After activating this function, you can select one refresh rate to be displayed along with 60 Hz when pressing the TURBO hotkey (Only for DisplayPort input).

After reboot, test the new Max Refresh Rate by enabling it in the NVIDIA Control Panel. If you don't see an image, disconnect the DP cable and use the monitor OSD to try again with a safer Max Refresh Rate.

2. GameVisual

This function contains 6 sub-functions you can select for your preference. Each mode has the Reset selection, allowing you to maintain your setting or return to the preset mode.

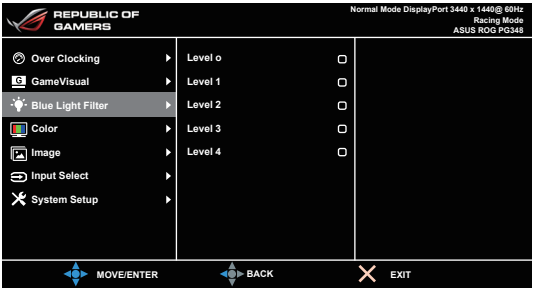


- **Scenery Mode**: This is the best choice for scenery photo displaying with GameVisual™ Video intelligence Technology.
- **Racing Mode**: This is the best choice for racing game playing with GameVisual™ Video intelligence Technology.
- **Cinema Mode**: This is the best choice for movie watching with 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.

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

3. Blue Light Filter

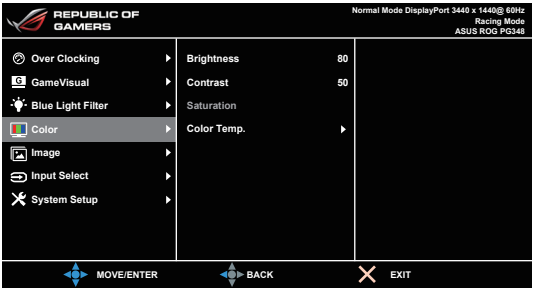
Adjusts the blue light filter level.



- **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 compliance with TUV Low Blue Light Certification. The Brightness function is not user-configurable.

4. Color

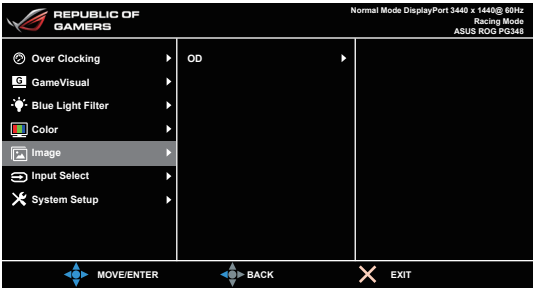
Adjusts Brightness, Contrast, Saturation and Color temperature from this menu.



- **Brightness**: the adjusting range is from 0 to 100.
- **Contrast**: the adjusting range is from 0 to 100.
- **Saturation**: The adjusting range is from 0 to 100.
- **Color Temp.**: contains 4 modes including Cool, Normal, Warm, and User Mode.

5. Image

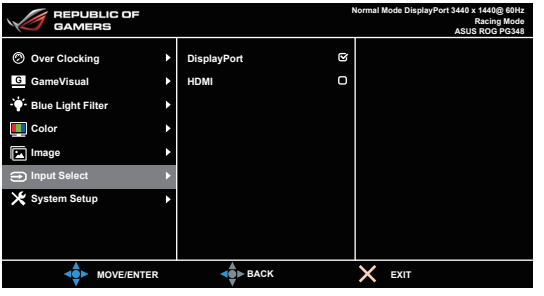
Adjusts OD from this menu.



- **OD**: Improves the gray level response time of the LCD panel. It contains 4 modes including Extreme, Normal and Off.

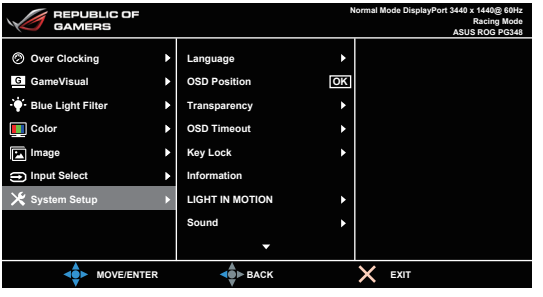
6. Input Select

Use the input select to switch between different video signals connected to the monitor.



7. System Setup

Allows you to adjust the system.



- **Language**: There are 21 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, Indonesia, Persian.

- **OSD Position**: Adjusts the horizontal position (H-Position)/the vertical position (V-Position) of the OSD.
- **Transparency**: Adjusts the OSD background from opaque to transparent.
- **OSD Timeout**: Adjusts the OSD timeout from 10 to 120 seconds.
- **Keylock**: To disable all function keys. Press ✕ over 5 seconds to cancel the key lock function.
- **Information**: Shows the monitor information.
- **LIGHT IN MOTION**: Selects the brightness level of the light on the stand. The adjusting ranging range is from Level 0 to 3.
- **Sound**:
  - **Volume**: the adjusting range is from 0 to 100.
  - **Mute**: toggles the monitor sound between on and off.
- **All Reset**: "Yes" allows you to restore the default settings.
- **DisplayPort Deep Sleep**: puts the DisplayPort port into deep sleep.
- **HDMI Deep Sleep**: puts the HDMI port into deep sleep.

In order to be Energy Star compliant, the default setting for DisplayPort Deep Sleep and HDMI Deep Sleep is "On".
If the monitor cannot wake up after going into deep sleep, do one of the followings:
- Press any button (except ⏻) on the monitor to wake it up.
- Disable the Deep Sleep function. (Recommended)

3.2 Specifications summary

Panel Type	TFT LCD
Panel size	34”W (21:9, 86.72 cm) wide screen
Max. Resolution	3440 x 1440
Pixel pitch	0.2325 mm
Brightness (Typ.)	300 cd/m^2
Contrast Ratio (Typ.)	1000:1
Viewing angle(H/V) CR>10	178˚/178˚
Display colors	1.07 B (8 bit+A-FRC)
Response time	5 ms
Color temperature selection	4 color temperatures
Analog input	No
Digital input	DisplayPort v1.2 x 1, HDMI v1.4
Earphone jack	Yes
Audio input	No
Speaker (Built-in)	2 W x 2 Stereo, RMS
USB 3.0 port	Upstream x 1, Downstream x 4
Colors	Black
Power LED	White (On)/Amber (Standby)
Tilt	+20˚~ -5˚
Swivel	+50˚~ -50˚
Height adjustment	115 mm
VESA wall mount	100 x 100 mm
Kensington lock	Yes
Voltage rating	AC: 100~240V DC: 19V, 6.32A (AC adapter)
Power consumption	Power On: < 120 W, Standby: < 0.5 W, Power Off: < 0.5 W
Temperature (Operating)	0˚C~40˚C
Temperature (Non-operating)	-20˚C~+60˚C
Dimensions (W x H x D)	829 mm x 558 mm x 297 mm (highest) 829 mm x 443 mm x 311 mm (lowest) 320 mm x 508 mm x 942 mm (package)
Weight (Esti.)	11.1 kg (Net); 14.9 kg (Gross)
Multi-languages	21 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesia, Persian)
Accessories	DP cable, HDMI cable, USB cable, power adapter, power cord, Driver and Manual disc, Quick start guide, warranty card, ROG sticker, input/output port cover, Stand side covers

Regulation approvals	Energy Star® 6.0, CB, CE, CU, CCC, UL/cUL, FCC, RCM, BSMI, VCCI, RoHS, WEEE, J-MOSS, ErP, PSE, CEL Level 1, Windows 7 WHQL, Windows 8.1 WHQL, Windows 10 WHQL, KCC, E-Standby, Low Blue light, Flicker free

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

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.
The power LED lights amber and there is no screen image	• Check if the monitor and the computer are in the ON mode. • Make sure the signal cable is properly connected the monitor and the computer. • Inspect the signal cable and make sure none of the pins are bent. • Connect the computer with another available monitor to check if the computer is properly working.
Screen image is too light or dark	• Adjust the Contrast and Brightness settings via OSD.
Screen image is not centered or sized properly	• Adjust the H-Position or V-Position settings via OSD.
Screen image bounces or a wave pattern is present in the image	• Make sure the signal cable is properly connected to the monitor and the computer. • Move electrical devices that may cause electrical interference.
Screen image has color defects (white does not look white)	• Inspect the signal cable and make sure that none of the pins are bent. • Perform All Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.

3.4 Supported operating mode

HDMI input

Resolution Frequency	Refresh Rate
640 x 480	60Hz
720 x 480	60Hz
720 x 576	50Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 720	50Hz
1280 x 720	60Hz
1920 x 1080	50Hz
1920 x 1080	60Hz
3440 x 1440	50Hz

Note:

Do not support interlace.

DisplayPort input

Resolution Frequency	Refresh Rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
3440 x 1440	60Hz

Note:

Do not support interlace.

G-SYNC (only for DisplayPort input) supported NVIDIA GPUs: GeForce GTX TITAN X, GeForce GTX 980 Ti, GeForce GTX 980, GeForce GTX 970, GeForce GTX 960, GeForce GTX TITAN Z, GeForce GTX TITAN Black, GeForce GTX TITAN, GeForce GTX 780 Ti, GeForce GTX 780, GeForce GTX 770, GeForce GTX 760, GeForce GTX 750 Ti, GeForce GTX 750, GeForce GTX 745 (OEM), GeForce GTX 690, GeForce GTX 680, GeForce GTX 670, GeForce GTX 660 Ti, GeForce GTX 660, GeForce GTX 650 Ti BOOST. For other GPUs, please contact the manufactures to see if they are compatible.

DisplayPort input--Over clocking

Resolution Frequency	Refresh Rate
3440 x 1440	75Hz
3440 x 1440	80Hz
3440 x 1440	85Hz
3440 x 1440	90Hz
3440 x 1440	95Hz
3440 x 1440	100Hz

Note:

Do not support interlace.

Over Clocking supported GPUs: NVIDIA Maxwell GPU Graphics Card like GeForce GTX TITAN X, GeForce GTX 980 Ti, GeForce GTX 980, GeForce GTX 970, GeForce GTX 960, GeForce GTX TITAN Z, GeForce GTX TITAN Black, GeForce GTX TITAN, GeForce GTX 780 Ti, GeForce GTX 780, GeForce GTX 750 Ti, GeForce GTX 750, GeForce GTX 745 (OEM). For other GPUs, please contact the manufactures to see if they are compatible.

The monitor is purposely supporting the NVIDIA G-SYNC technology and targeting NVIDIA graphics solutions.

Please note that Over Clocking function/performance depends on the GPUs or contents displayed. ASUS only provides this function. The performance or any side effect after activation is not guaranteed.