



GNV34DBE3

GAMING MONITOR

USER MANUAL



In order to continue serving our customers and providing the best products, our product information including our user manuals may receive updates from time to time. Please check our website for the latest user manuals and product materials.



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# Section 1: Safety Precautions

Read and observe the following warnings and information below.

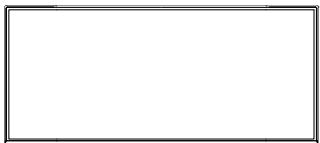
1. Before cleaning, always unplug your monitor. It is recommended that you use a dry cloth or a lightly damp cloth to clean your monitor. A dry cloth is, however, the safest. If using damp cloth, wait for your monitor to completely dry before plugging it in again.
2. Do not use alcohol or ammonia-based cleaner and/or liquids to clean your monitor.
3. This monitor features ventilation openings on the back of the unit. Avoid blocking these openings to prevent the monitor from overheating.
4. Avoid placing this monitor near any heat sources, e.g., portable heaters or heating vents, as this may cause damage to your monitor.
5. Do not spray cleaner and or any kind of liquid directly onto the monitor's screen or any part of the monitor.
6. Do not insert anything into any part of the monitor, especially the ventilation openings.
7. Always make sure your monitor is placed on a secure, level surface to prevent it from falling and sustaining damage.
8. Unplug your monitor during any extended periods of non-use.
9. Do not place heavy items on the monitor or monitor cables.
10. Do not attempt to disassemble or remove parts from the monitor. Any disassembly or modification etc. not performed by an authorized technician can result in damage to the monitor and/or possible exposure to high-voltage electricity, which may lead to serious injury or death.

VIOTEK shall not be held responsible for injury or damage of products or persons due to failure to adhere to the aforementioned precautions or any others noted hereafter.



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## Section 2: Box Contents



Monitor x 1



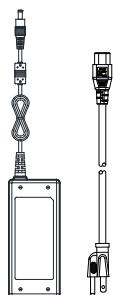
Stand Stem x 1  
(with Attached Bracket)



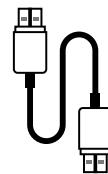
Stand Base x 1



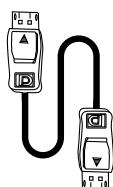
NO. 1 Screw x 1



Power Cable x 1



HDMI Cable x 1



DP Cable x 1



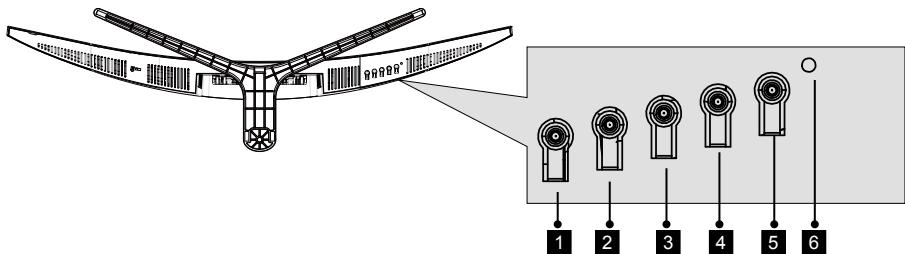
Screwdriver x 1



User Manual x 1

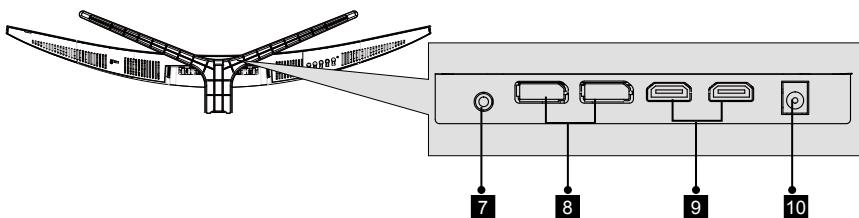
## Section 3: Product Overview

### 3.1 – Monitor Buttons



- 1 **M Menu Button:** Press to display the OSD menu or enter sub-menus.
- 2 **▲ Up Button:** Press to move up in the menus.
- 3 **▼ Down Button:** Press to move down in the menus.
- 4 **E Exit Button:** Press to exit.
- 5 **Power Button:** Press to turn the monitor on/off.
- 6 **LED Indicator:** Changes colors to indicate status. Refer to Section 7.

### 3.2 – Monitor Ports

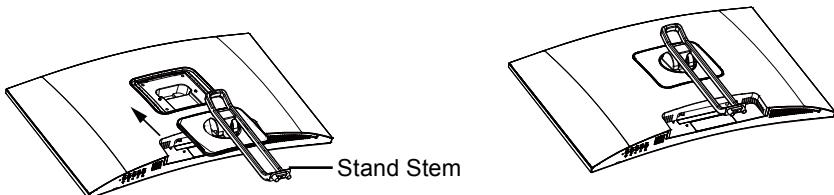


- 7 **Audio Output:** Insert the audio cable for output of audio signals.
- 8 **DP Connectors:** Insert one end of the DP cable into the computer's DP output and connect the other end to the monitor's DP port.
- 9 **HDMI Connectors:** Insert one end of the HDMI cable into the computer's HDMI output and connect the other end to the monitor's HDMI port.
- 10 **Power Connector:** Insert the power cable to supply power to the monitor.

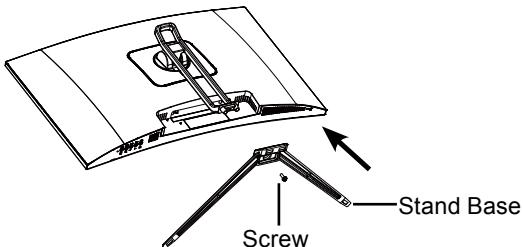
## Section 4: Stand Installation

 Keep the foam underneath the monitor before attaching the stand.

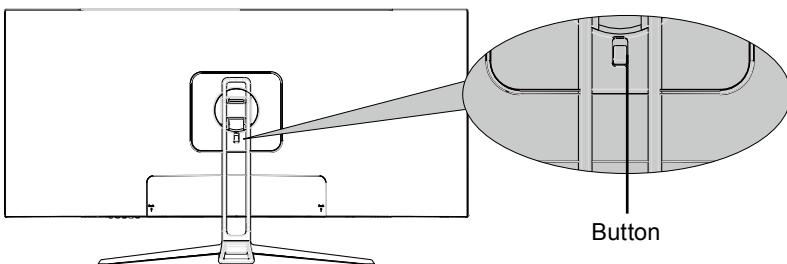
1. Open the package and take out the monitor with the foam still attached. Gently place it face-down on a desktop or table. And remove the upper foam.
2. Take out the stand stem and align its bracket with the opening on the back of the monitor and carefully insert the bracket. The pieces should click into place.



3. Take out the stand base, then use the included screw and a screwdriver (not included) to fasten the base to the stem.



4. If needed, the stand can easily be detached from the monitor by pressing the button on the bracket. Gently place the monitor face-down on a flat surface, then unscrew the stand to remove it.



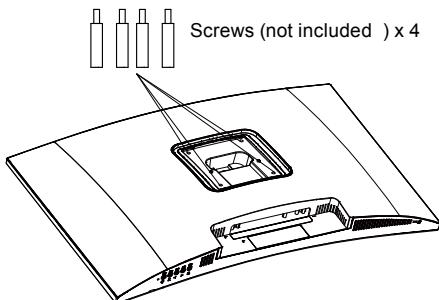
 To avoid damage, do not touch the screen when moving the monitor.

## Section 5: Wall Mounting

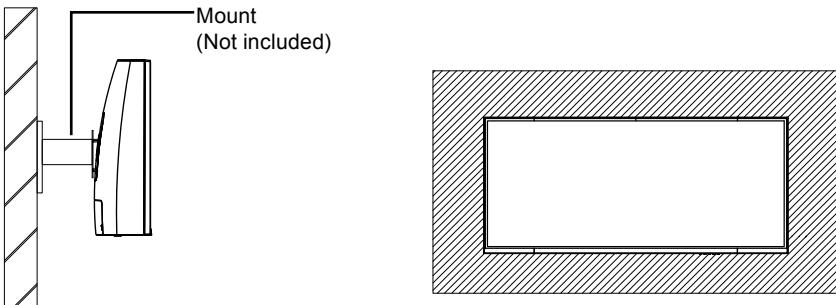


This monitor ONLY includes screws that may be used when attaching the monitor to a mount. No mount or mounting accessory is included.

1. Open the package, take out the product with foam still attached, and gently place it on a desktop or table. Remove the extra parts and the foam covering the monitor. If the monitor was already attached to the stand, remove the stand.
2. Attach the four screws (not included) into the mounting holes at the back of the monitor.

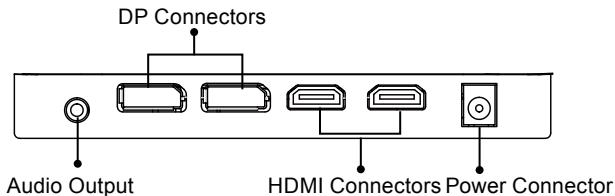


3. Follow the directions received with your mount, stand, or accessory and install the monitor on the wall or fixture as desired.



## Section 6: Basic Operation

1. Insert one end of the DP cable into your PC's graphics card. An HDMI cable may also be used. HDMI cable is not included.
2. Connect the other end of the cable to the corresponding connector on your monitor.



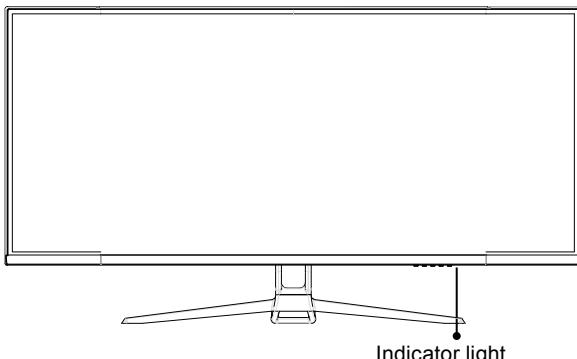
3. Connect the power cable to your monitor then connect the other end to your power source. It is recommended that you use a surge protector with adequate voltage if a wall outlet cannot be reached directly.
4. Locate the power button on the monitor and press it to turn the monitor on.

### VIOTEK Adaptive Sync

Adaptive sync eliminates image tearing, stuttering, and ghosting by adjusting of a monitor's vertical refresh rate to the frame rate of the graphics card. It is compatible with GPUs that use AMD® FreeSync™ or NVIDIA® G-Sync™. The feature is off on VIOTEK monitors by default and must be manually enabled in the monitor's OSD (see **Section 8: OSD**). To use this feature, the connecting device must be compatible with adaptive sync (FreeSync and/or G-Sync); have the latest graphic drivers; and be connected to the monitor using a DisplayPort (DP) cable.

 If you use HDMI to connect, you must use the HDMI 2.0 port to be able to use FreeSync.

## Section 7: Indicator Light



Solid green light indicates power is on and the monitor is operating normally. Red light indicates no video source, no horizontal or vertical signal has been detected or power is low. Please ensure your computer is on and all video cables are fully inserted and/or connected.

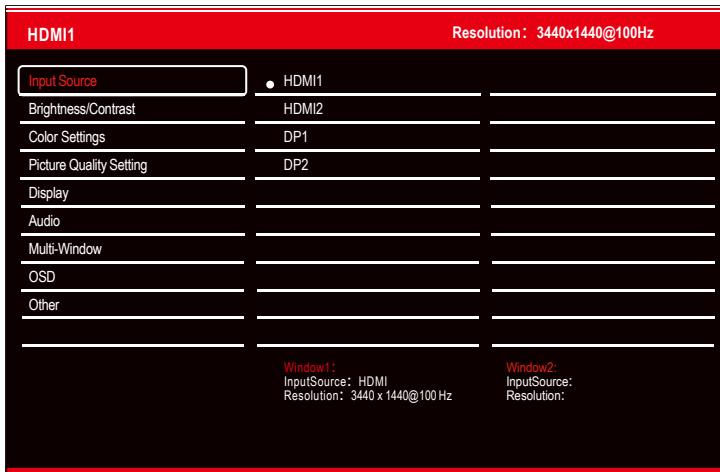
## Section 8: OSD

The On-Screen Display (OSD) Menu may be used to adjust your monitor's settings and appears on the screen after turning on the monitor and pressing the **M** button.



When using the monitor for the first time, settings will automatically adjust to optimal settings according to your computer's configuration.

1. Press **M** to enter the OSD screen.



2. Press **▲** or **▼** to browse functions.
  - Highlight the desired function and then press **M** to enter the sub-menu.
  - Press **▲** or **▼** to browse sub-menus then press **M** to highlight the desired function.
  - Press **▲** or **▼** to highlight an option and then press **M** to confirm the settings and exit the current screen.
3. Press **E** to exit the current screen.

## 8.1 – OSD Menu Functions

Main Menu	Sub-Menu	Options	Description
Input Source	HDMI 1; HDMI 2;	NONE	Switch to HDMI signal input
	DP 1, DP 2	NONE	Switch to DP signal input
Brightness/ Contrast	Brightness	0~100	Adjust display brightness
	Contrast	0~100	Adjust display contrast
	DCR	On	Turn on DCR function
		Off	Turn off DCR function
Color Setting	Gamma	1.8, 2.0, 2.2, 2.4, 2.6	Set Gamma add-in
	Picture Mode	Standard, Photo, Movie, Game, FPS, RTS, sRGB	Set visual mode according to activity
	Color Temperature	Normal, Warm, Cool, User	Select color temperature
	Hue	0~100	Adjust hue levels
	Saturation	0~100	Adjust saturation levels
	Low Blue Light	0~100	Set blue light filtering level (0 is off)
Picture Quality Setting	Sharpness	0~100	Set display sharpness
	Response Time	Off, High, Middle, Low	Adjust response time
Display	Aspect Ratio	Wide Screen, 4:3, 1:1, Auto	Select on-screen aspect ratio
Audio	Mute	On, Off	Turn mute mode on/off
	Volume	0-100	Adjust audio volume
Multi-Window	Multi-Window	Off, PIP Mode, PBP 2Win	Select PBP modes according to the number of input signals etc.
	Sub Win2 Input	DP 1, DP 2, HDMI 1, HDMI 2	Select according to input signal for PIP/ PBP mode
	PIP Size	Small, Medium, Large	Adjust the PIP display window size
	PIP Position	TopRight, TopLeft, BottomRight, BottomLeft	Adjust the PIP window position
	Swap	NONE	Swap the two-channel signal source of only the PIP/PBP 2 screens function

Main Menu	Sub-Menu	Options	Description
OSD	Language	English, 简体中文, 한국어, Русский, Español, 日本語, Français	Set OSD language
	OSD H-Position	0-100	Adjust the OSD's horizontal position
	OSD V-Position	0-100	Adjust the OSD's vertical position
	OSD Transparency	0-100	Set the OSD's overall transparency
	OSD Time Out	5-100	Set how long the OSD remains open after non-use
	OSD Rotation	Normal, 90, 180, 270	When the user flips the display, this function can also flip the OSD to achieve the best display angle
Other	FreeSync (Adaptive Sync)	On, Off	Turn the Adaptive Sync function on/off
	HDR	On, Off, Auto detect	Turn the HDR on/off
	MPRT	On, Off	Turn the MPRT on/off
	Reset	None	Reset monitor configurations

## Section 9: Display Adjusting and Gameplus Switching

1. Press **▲** / **▼** to enter the brightness adjust window, and press **▲** / **▼** to adjust the desired brightness level.



2. Press **E** button to switch Gameplus modes. According to the needs of your game, choose the corresponding game icon. These game icons are primarily designed to optimize your aim during shooting games, though they can be used in other scenarios.



# Section 10: Troubleshooting

## 10.1 – General Problems

### **The screen is blank**

- Press the power button to turn the monitor on.
- Confirm the brightness and contrast settings are set normally.
- Check if the indicator light is flashing. If so, there is no signal from your video source.
- If your source is a notebook or laptop, make sure it's powered on and set to mirror or extension mode.

### **The image is out of focus**

- Make sure the video cable is inserted properly at both ends.

### **The screen is flashing**

- Try an alternative power source. Insufficient power can cause this issue.
- Make sure devices such as non-shielded speakers, fluorescent lighting, AC transformers, table fans, etc., are a safe distance away from your screen to avoid magnetic disturbances.

### **The color bleeds or visual effects appear unusual.**

- If your screen is all red or blue, or any colors disappear, check to see that the cable is properly inserted. A loose connection can cause a bad signal.
- Try connecting to another video source for comparison.

### **The screen appears to be scrolling, rolling, or moving unusually.**

- Check that your source frequency is within 165Hz.
- Reconnect and ensure your video cable is secure.

### **The indicator light does not work**

- Check if the power is on.
- Make sure the power cable is properly connected to the monitor and power source.

### **Cannot plug and play.**

- Check PC requirements to make sure it is compatible with the monitor.
- Check graphics card requirements to make sure it is compatible with the monitor.

### **Dim image**

- Adjust the brightness and contrast ratio.

### **Image jitter/moire pattern**

- Nearby electric equipment may be interfering with the monitor.

### **Light indicator is on or flashing, but there is no image displayed on the screen**

- Check if the monitor power is on.
- Check if the graphics card is installed properly.
- Make sure the power cable is properly connected to the monitor and power source.

### **Image position is not centered/the size is not right**

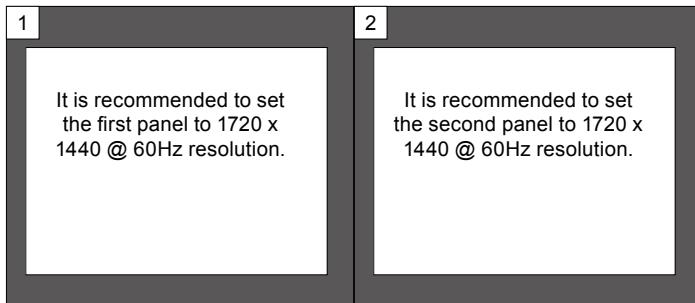
- Please adjust Clock or Auto settings.

### **Color difference (colors are not optimized)**

- Adjust RGB color settings or reset color temperature.

## 10.2 – PBP (Picture by Picture) Resolution Information

While using this feature and in order to obtain an optimal viewing experience, it is recommended to set the panels to the same resolution.



At this resolution, image tearing and other visual artifacts should be minimized.

## Section 11: Information

### 11.1 – Specifications

Item	Detail
Model Number	GNV34DBE3
Screen Size	34"
Curvature	1500R
Viewing Angle	H178° / V178°
Panel Type	VA
Aspect Ratio	21:9
Resolution	3440 x 1440
Backlight	E-LED
Typical Brightness	320cd/m <sup>2</sup> (Max), 220cd/m <sup>2</sup> (Typ)
Default Color Temperature	6500
Contrast Ratio	3000:1(typ.); 52322: 1 (Dynamic)
Active Display Size (HxV)	797.22mm (H) x 333.72mm (V)

Dot/Pixel Pitch	0.23175 (H) x 0.23175 (V)
Color Support	16.7 M
Color Gamut	sRGB 100%, NTSC 85%
Response Time	GTG 2ms (typ.)
Refresh Rate	165Hz
Ports	HDMI 2.0 x2, DP 1.4 x2, Audio Output x1
Power	AC 100-240V~, 50/60hZ, 1.6A
Consumption	Max: 85W, Typical: 56W, Standby ≤ 0.5W
OSD Language	English, 简体中文, 한국어, Русский, Español, 日本語, Français
Environmental Temperature & Humidity	Operating temperature: 32°F to 104°F
	Storage temperature: -4°F to 140°F
	Operating relative humidity: RH 10% to 85% (non-condensation)
Tilt Adjust	Forward 5°, Backward 15°
Height Adjust	No
Wall Mounting	100mm x 100mm
Dimension (With Stand)	31.8 x 17.5 x 9.5 in (807.8 x 443.8 x 233.6 mm)
Weight (Net/Gross Weight)	11.7 lb./17.6 lb.

## 11.2 – Resolution Compatibility for HDMI/DP

The below requirements are the minimum for your GNV34DBE3 monitor. These requirements are recommended in order to properly use all of the monitor's features and ensure high-quality picture.

### Minimum Requirements

Operating System: Windows® 7 / Windows® 8 / Windows® 10 64-bit (latest service pack) or higher

Processor (CPU): Intel® Core™ i5 or AMD Phenom™ II X3 or higher

Graphics Card: NVIDIA® GeForce® GTX 950 or AMD Radeon™ R9 380 or higher

Memory: 6 GB RAM

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## Section 12: Cleaning

The monitor requires regular cleaning. Take the following steps to carefully and safely clean the monitor. Do not press the monitor display with hands or other objects; otherwise, there is a risk of damaging the screen.

1. Power off the monitor and PC.

2. Disconnect the power cord from the monitor.

 Do not touch any cords or cables with hands. Electric shock may result.

3. Use a dry, non-abrasive cloth to gently remove dust and debris.

4. Lightly wet another soft cloth in water. Ring the cloth out well. Gently wipe the exterior of the monitor.

 Never use alcohol, solvent, surfactant or ammonia-based cleaning solutions. Do not spray water or detergent directly on the monitor.

5. Connect the power cord to the monitor when cleaning is finished and when monitor is fully dry.

6. Power on the monitor and PC.

## Section 13: Three-Year Limited Hardware Warranty

Your VIOTEK® GNV34DBE3 Curved Gaming Monitor ("Product") includes a Three-Year Limited Hardware Warranty ("Warranty"). The Warranty covers product defects in materials and workmanship under normal use. This Warranty is limited to residents of the United States and Canada only and is available only to original purchasers. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state. This Warranty starts on the date of your purchase and lasts for three years (the "Warranty Period"). The Warranty Period is not extended if the Product is repaired or replaced. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive. Warranty services are provided by Viotek Warranty Pro ("WP"). If a hardware defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, WP will: (1) repair the hardware defect by using new or refurbished parts that are equivalent to new in performance and reliability; or (2) exchange the Product with a new product or a refurbished one that is substantially equivalent to the original product. This Warranty is for one replacement only of like-items and does not cover items out of production if the product is no longer made or stocked. This Warranty is not assignable or transferable. The original purchaser may call Viotek's toll-free number at 1-855-229-9472 for service requests. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes WP's property. This warranty only covers technical hardware defectiveness during the warranty period and under normal use conditions. WP does not warrant the uninterrupted or error-free operation of this Product. This Warranty does not cover any damage due to: (a) transportation; (b) storage; (c) improper use; (d) failure to follow the product instructions or to perform any preventive maintenance; (e) modifications; (f) unauthorized repair; (g) normal wear and tear; (h) overclocking; or (i) external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

Important: Do not disassemble the Product. Disassembling the Product will void this Warranty. Only WP or a party expressly authorized by WP should perform service on this Product.

**DISCLAIMER OF WARRANTY: THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.**

### **DECLARATION OF CONFORMITY**

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC RELATED INFORMATION:**

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 manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.





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