VIOTEK®

GFV27DAB

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 dry cloth or lightly damp cloth to clean your monitor. 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 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.

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

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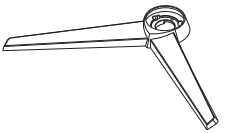
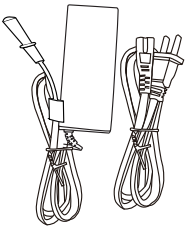
Section 2: Box Contents

Monitor x 1

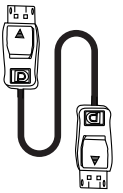
Stand Stem x 1



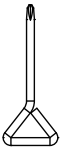
Stand Base x 1



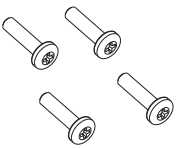
Power Cable x 1
(AC 100-240V, 50/60Hz)



DP Cable x 1



Screwdriver x 1

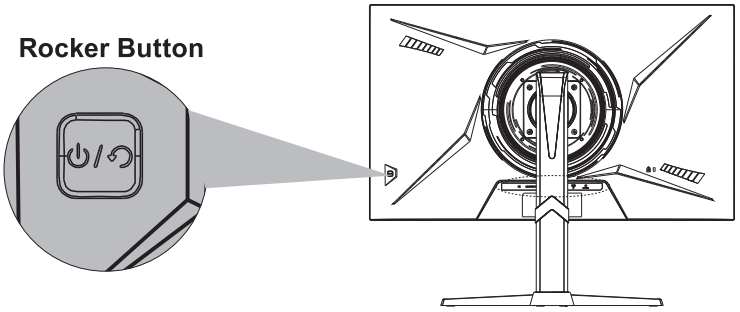


Screws x 4

User Manual x 1

Section 3: Product Overview

3.1 – Monitor Button/Rocker

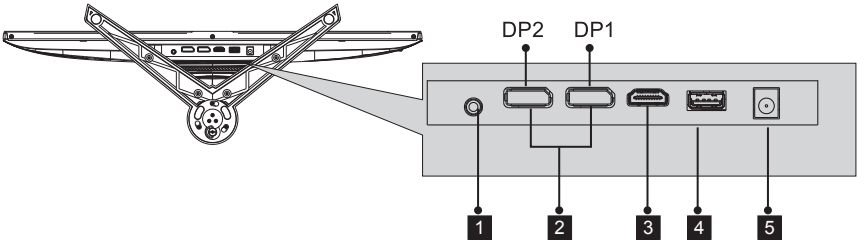


Initial State:

Actions	Description
Rocker Up	Signal source input shortcut key
Rocker Down	Volume adjustment shortcut key
Rocker Left	Game plus shortcut key
Rocker Right	Preset shortcut key
Press Rocker	Quick-press to turn on the display or enter the OSD menu. Long-press to completely power-down the monitor.

Menu Navigation:

Actions	Description
Rocker Up	Move up / Adjust value
Rocker Down	Move down / Adjust value
Rocker Left	Return to previous menu
Rocker Right	Enter next menu / Confirm settings



3.2 – Monitor Ports

1 **Audio Output:** Insert the audio cable for output of audio signals.

2 **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.

3 **HDMI Connector**: Insert one end of the HDMI cable into the computer's HDMI output and connect the other end to the monitor's HDMI port.

4 **USB Port**: The USB port is only for firmware update using USB portable device. Do not insert any other equipment.

If you need to upgrade the software, please contact customer service.

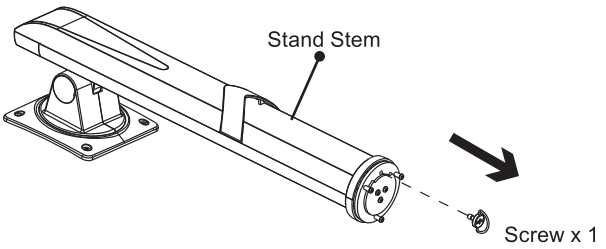
5 **Power Connector**: Insert the Power Cable to supply power to the monitor.

Section 4: Stand Installation

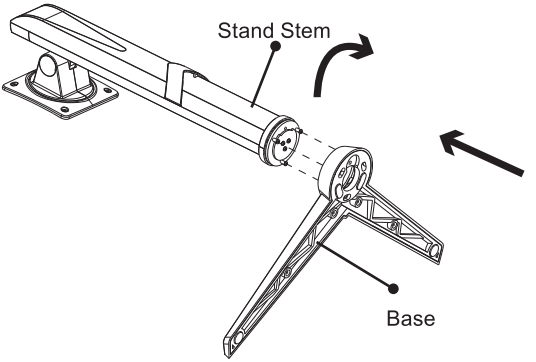
Keep the foam underneath the monitor before attaching the stand.

1. Open the package and take out the monitor with foam still attached. Gently place it face-down on a desktop or table.

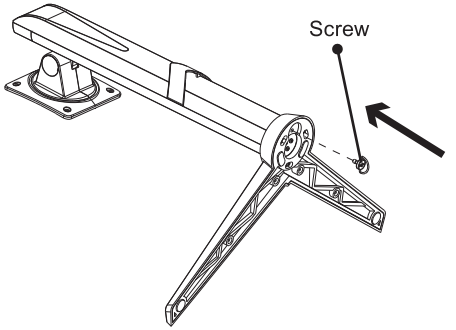
2. Take out the stem and use the included screwdriver to remove the screw at the bottom of the stem. Put the screw aside for later installation.



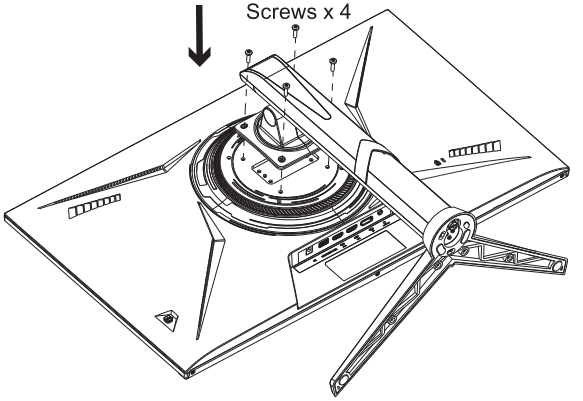
3. Take out the base and insert it into the stand bottom, then turn the base clockwise to lock it in place.



4. Use the released screw from Step 2 to fasten the base onto the stem.



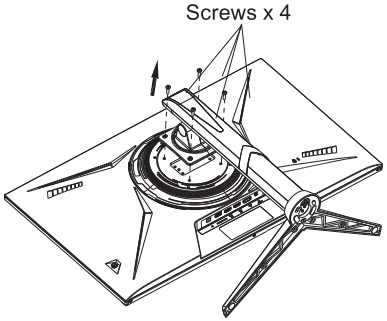
5. Use the screws x 4 to install the stand onto the VESA slot on the back of monitor.



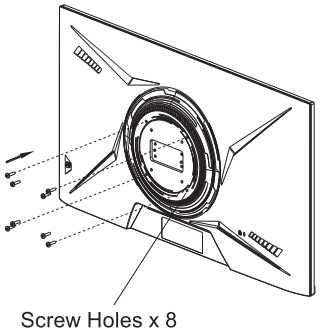
6. With the stand fully assembled, remove the remaining foam on monitor and stand it up on a flat, level desktop or table.

Section 5: Mount Installation

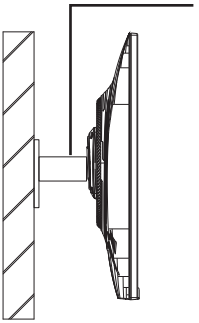
1. Open the package and take out the product with foam still attached. Gently place it on a desktop or table. Remove the extra parts and the foam covering the monitor. If the monitor is already attached to the stand, remove the stand following the steps below:
   Remove the attached stand: Take out the four main screws of the stand and remove the entire stand from the monitor. Carefully store the stand in case you ever want to change back to stand installation in future.

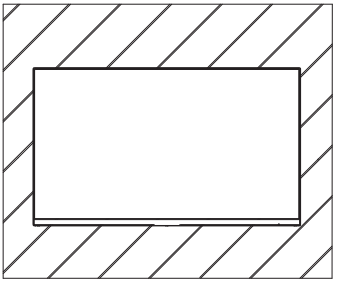


2. Connect the VESA mount accessory to the back of the monitor using the four M4 screws.



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





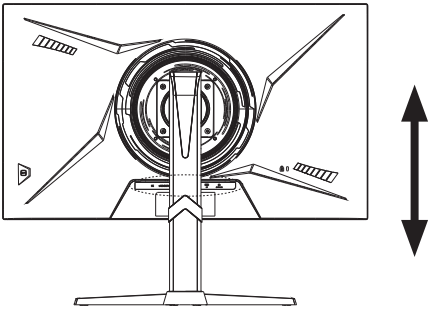
*** Supports 75x75 mm or 100x100mm VESA accessories.**

Section 6: Operations

6.1 – Adjust Stand Height

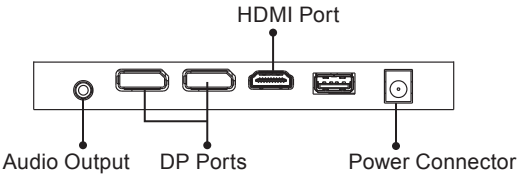
By default, the display comes pre-assembled with a stand. Open the package and remove the foam covering the surface. Carefully place monitor on the desire desktop. Now it is ready for use.

Place the monitor on your desktop and carefully pull or push it up or down to adjust height.



6.2 – Using the Monitor

1. Insert one end of the DisplayPort (DP) cable into your PC's graphics card. For your convenience, a DP cable is included; however, an HDMI cable (not included) may also be used.
2. Connect the other end of the cable to the corresponding connector on your monitor.



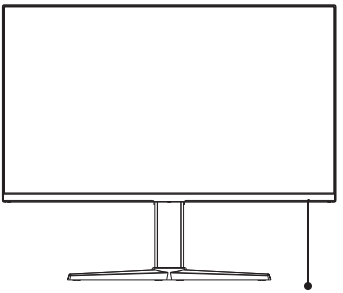
3. Connect the power cable to your monitor. Then connect the other end to your power source. It is recommended that you use a surge protector with adequate voltage if a wall outlet cannot be reached directly.
4. Locate the power button and press it to turn on the monitor.

AMD FreeSync

This feature is off by default. To activate, you must have hardware with FreeSync capability, a DP or HDMI cable, and the latest graphic drivers. After connecting your computer and monitor with a DP or HDMI cable, you may receive a prompt to enable the feature on your computer. If you do not, you may need to enable the function in your graphics card menu. See your graphics card manufacturer's documentation for instructions.

Section 7: Indicator Light

Solid blue light indicates power is on and the monitor is operating normally. Flashing red light indicates no video source has been detected, 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.



Indicator light

Section 8: OSD

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

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

1. Press the **Rocker** button to enter the OSD screen.

2. Push the Rocker button UP or DOWN to browse functions.

a. Highlight the functions you want to set and push the Rocker button to the right to enter the sub-menu.

b. Push the Rocker button UP or DOWN to browse the sub-menu. Then push the Rocker button to the right to highlight the functions you want to set.

c. Push the Rocker button UP or DOWN to highlight the options. The push the Rocker button to the right to confirm the settings and exit the current screen.

3. Push Rocker button to the left to return to exit the current screen and return to the previous menu.

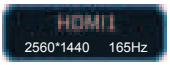
8.1 – OSD Menu Functions

Main Menu	Sub-Menu	Options	Description
Display	Brightness	0-100	Adjust display brightness
	Contrast	0-100	Adjust display contrast
	Black Equalizer	0-100	Adjust display black equalizer
	Preset	Standard, User, Movie, Photo, RTS, FPS1, FPS2	Set visual mode according to activity
	Aspect Ratio	Full, 16:9, 4:3	Select on-screen aspect ratio
	Sharpness	0, 25, 50, 75, 100	Set display sharpness
Color	Color Temp.	Normal, Cool, Warm, sRGB, User	Select color temperature
	Gamma	Off, 1.8, 2.0, 2.2, 2.4	Set Gamma add-in
	Hue	0-100	Adjust hue levels
	Saturation	0-100	Adjust saturation levels
	Blue Light Filter	0, 25, 50, 75, 100	Set blue light filter
Gaming Setup	Freesync	On, Off	Turn the FreeSync/G-sync function on/off
	Overdrive	Off, Level 1, Level 2, Level 3	Set overdriver function
	Game Plus	Timer, Crosshair, FPS (FPS Counter)	Set game plus mode
	HDR	On, Off	Turn on or off HDR function
	DCR	On, Off	Turn on or off DCR function
	MPRT	On, Off	Turn on or off MPRT function
	RGB	On, Off	Turn on or off RGB LED display effect
Input	DP 1.2, HDMI2.0	NA	Switch to DP or HDMI signal input
System	Language	ENGLISH, 简体中文, 繁体中文, 한국어	Set OSD language
	OSD Setup	H Position	Adjust the OSD's horizontal position
		V Position	Adjust the OSD's vertical position
		OSD Timeout	Set how long the OSD remains open after non-use
		Transparency	Set the OSD's overall transparency
	Audio	Mute, Volume	Turn on or off Mute function, or adjust audio volume
	Reset	Confirm, Cancel	Confirm or cancel to reset monitor configurations
	USB UpData	Confirm, Cancel	Confirm or cancel to use USB updata
User Data	User1, User2, User3	Load, Save	Confirm or cancel to load or save user data

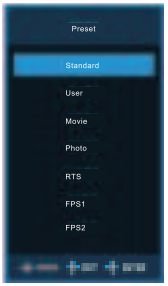
Section 9: Enter Shortcut Menus

You can use the Rocker Button to quickly access the desired shortcut menu:

- Push the Rocker button up to enter the Signal Input screen. Then push the Rocker button up or down to toggle input selections. Then press the Rocker button to the right to confirm setting.

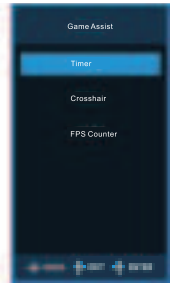


- Push the Rocker button to the right to enter the Preset screen. Push the Rocker button up or down to select the desired present. Then press the Rocker button to the right to confirm setting.



- Push the Rocker button down to enter the Volume screen. Push the Rocker button up or down to adjust audio volume. Then press the Rocker button to the right to confirm setting.

- Push the Rocker button to the left to enter the Game Assist screen. Push the Rocker button up or down to toggle options. Then press the Rocker button to the right to confirm setting.



Section 10: Troubleshooting

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 monitor needs cleaning
- Make sure the monitor has been powered off before cleaning.
- Always use soft, non-abrasive cloth when cleaning.
- Use dry, non-abrasive cloth to gently remove debris or dust.
- If necessary, lightly dampen a non-abrasive cloth with water and gently clean the surface.
- Never use alcohol or ammonia-based cleaning solutions.
- Never spray liquid directly onto any part of the monitor.

The indicator light does not work
- Check that 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 screen
- Check that the monitor power is on.
- Check that 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.

Section 11: Information

11.1 – Specifications

Item	Detail
Model Number	GFV27DAB
Screen Size	27''
Panel Type	VA
Viewing Angle	H178° / V178°
Aspect Ratio	16:9
Resolution	2560 x 1440p
Backlight	E-LED
Typical Brightness	300 cd/m^2
Default Color Temperature	6500
Color Gamut	95% sRGB; 72% NTSC
Contrast Ratio	4000:1 (static) / 1M:1 (dynamic)
Dot Pitch	0.2331mm x 02331mm
Response Time	14ms (GTG) / 1ms (MPRT) / 4ms (GTG OD)
Refresh Rate	165Hz
Ports	1x HDMI; 1x DP 1.2; 1x USB 2.0; 1x 3.5mm Audio Out
Power	DC 12V / 4.5A
Power Consumption	Typical: ≤54W; Sleep mode: ≤ 0.5W
OSD Language	English, 한국, 日本語, 简体中文, 繁體中文
Environmental Temperature & Humidity	Operating temperature: 32ºF to 104ºF
	Storage temperature: 14ºF to 140ºF
	Operating relative humidity: RH 20% to 85% (non-condensation)
Height Adjustment	Up to 5.12 in. (130mm)
Tilt Angle	Forward 5º; Backward 15º
Swivel Angle	Left 45º; Right 45º
Vertical Position	Yes
VESA Mounting	75 x 75mm, 100 x 100mm
Dimension (With Stand)	24.25 x 18.30 x 9.91 in (616 x 464.75 x 251.8mm)
Weight (Net/Gross Weight)	11.46 lb. / 17.86 lb.

11.2 – Resolution Compatibility for DisplayPort

System Requirements below are the minimum system requirements for your GFV27DAB monitor. The 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

* All trademarks and registered trade names are the property of their respective owners.

Section 12: Three-Year Limited Hardware Warranty

Your VIOTEK® GFV27DAB 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 WP'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 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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