27-Inch Curved Gaming Monitor with 2560 x 1440, 16:9 Aspect Ratio, 144Hz Refresh Rate

INSTRUCTION MANUAL

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MODEL: DGVM27AB

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Part 1: Safety Precautions

Read and observe the following warnings and information below.

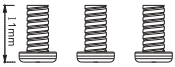
1. Before cleaning, always unplug your monitor. It is recommended that you use dry cloth or lightly damp cloth to clean your monitor. Dry cloth is, however, the safest. If using damp cloth, wait for your monitor to completely dry before plugging it in again.
2. Do not use alcohol or ammonia-based cleaner 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 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.

Part 2: Box Contents

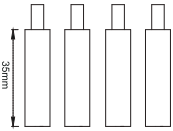
Monitor x 1

Lifting Stand x 1

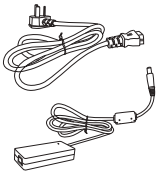
Stand Base x 1



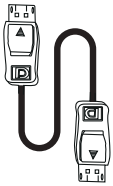
Screws（PM5*11) x 3



Screws x 4
(for Wall Mounting)



Power Cable x 1
Power Adapter x 1
(12V,4.0A)

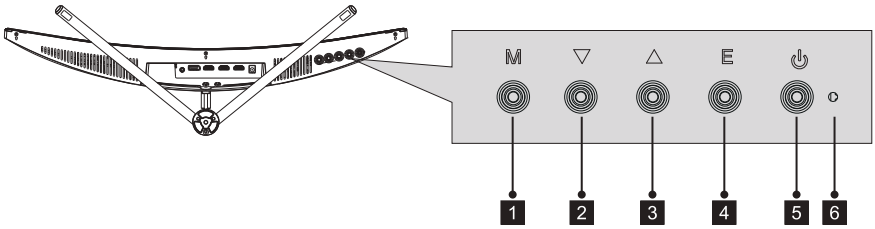


DP Cable x 1

User Manual x 1

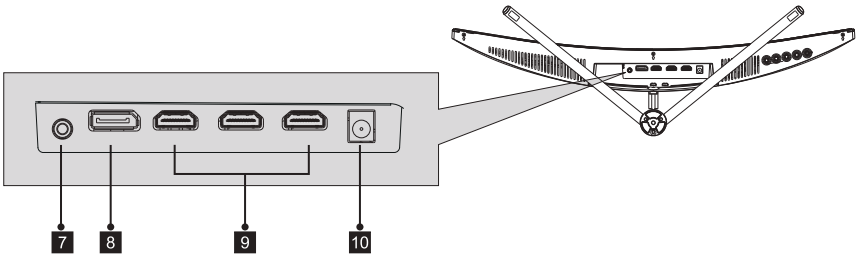
Part 3: Product Overview

3.1 – Monitor Buttons



1. **M Menu Button**: Press to display the OSD menu or enter sub-menus.
2. **▼ Down Button**: Press to move down in the menus.
3. **▲ Up Button**: Press to move up 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.

3.2 – Monitor Ports

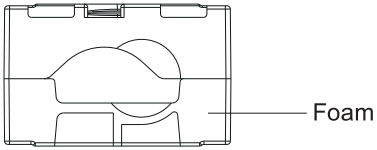


7. **Audio Output**: Insert one end of the Audio cable into the computer's Audio output to receive the Audio signals from your monitor.
8. **DP Connector**: Insert one end of the DP cable into the computer's DP output and connect the other end to the monitor's DP port.
9. **HDMI Connectors**: Insert 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 adapter to supply power to the monitor.

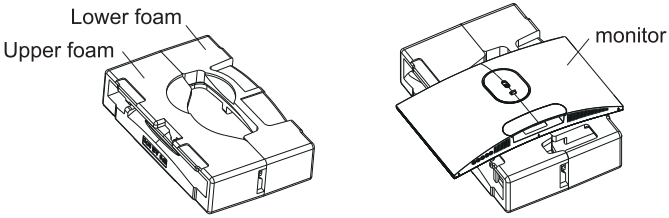
Part 4: Stand Installation

Keep the foam underneath the monitor before attaching the stand.

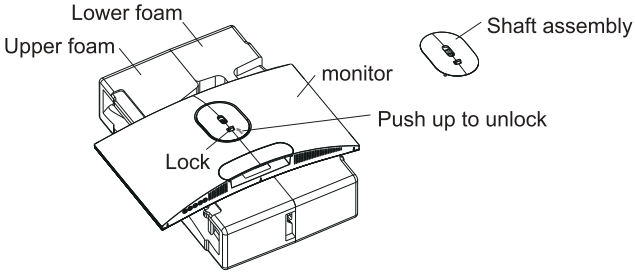
1. Open the package, take out the product with foam still attached, and gently place it on a desktop or table.



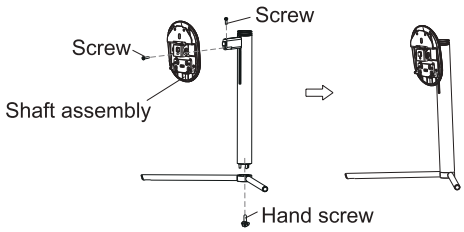
2. Place the upper and lower foam on the table and place the monitor on the foam.



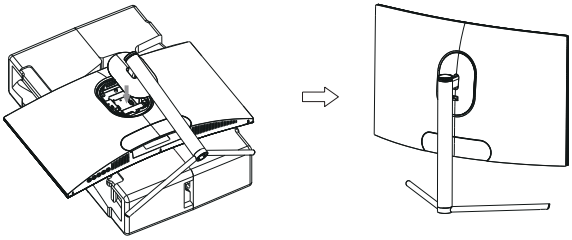
3. Push the lock up and remove the hinge cover as shown below.



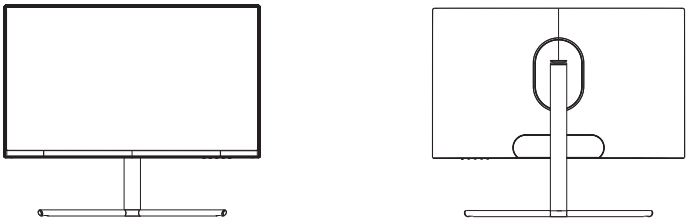
4. Take out the Shaft components and Support, lock it tighly with 2*PM5 screws, as the following picture, lock the base and support with 1* Hand screws.



5. As show in the following pictures, put the finished components in step4 in to the corresponding sinking groove of the rear case. gently press the bracket to make the shaft assembly snap into the lock, and then hold the middle position of the bracket to lift the body twice. The buckle can be used to ensure that the buckle can lock the base assembly; when disassembling, follow the opposite steps;



6. Hold the bracket with both hands and set the machine up (note: during the process of standing up the machine, do not hold the screen directly by hand to prevent breaking the screen)

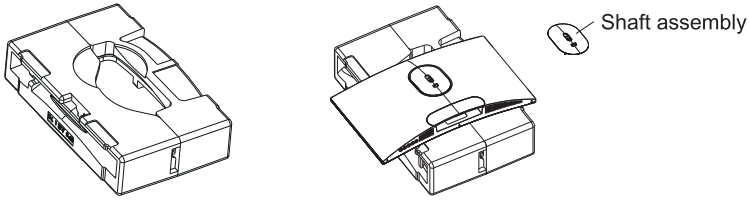


Note: During the process of erecting the machine, do not hold the screen directly with your hand to prevent breakage;The lifting range is 100mm, and the anti-sliding effect should be taken into consideration when extracting.

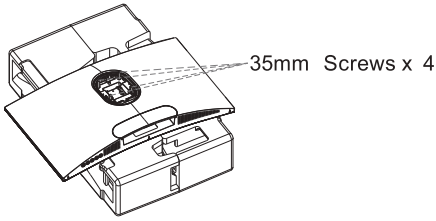
Part 5: Wall Mounting

⚠ VESA and/or mounting accessories not included.

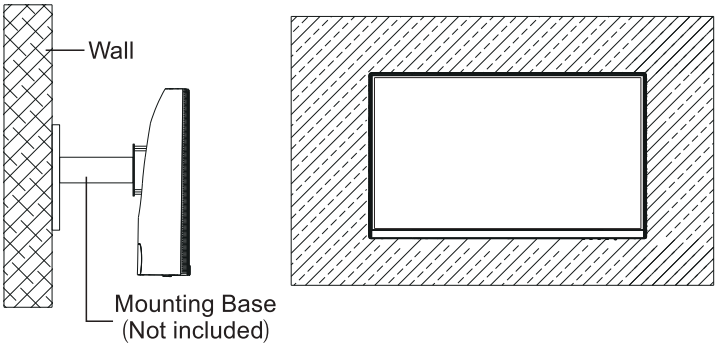
1. Open the package, remove the foam upper and lower covers, align it on the table; remove the monitor film bag, then place the body on the inner package and remove the quick-release shaft assembly.



2. Find four hexagonal iron studs with a height of 35mm from the accessory bag, and lock them in the M4 threaded hole of the rear tank sinking slot with a screwdriver (removable screws, the display can't leave the Pauli dragon foam, To prevent breaking screen.)



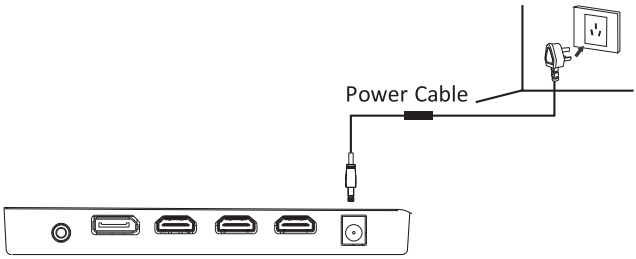
3. Follow the directions that came with your mounting kit (not included) to mount the monitor on the wall or monitor stand.



Part 6: Connectivity Options

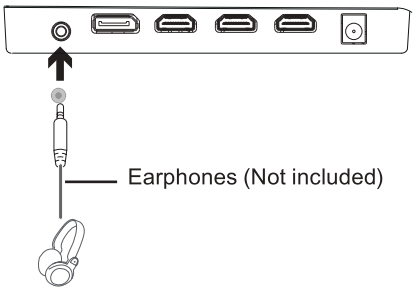
6.1 – Connecting the Power Cable

Connect the included power cable to the power connector, and then plug the other end into an wall outlet.



6.2 – Connecting Your Earphones

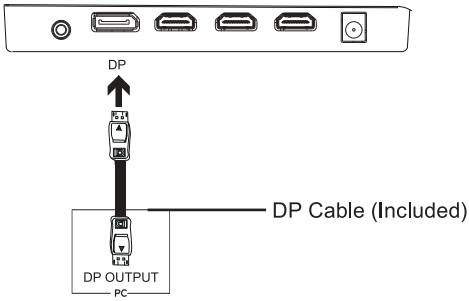
Plug in your earphones to receive audio signals from your monitor. If your earphones are connected to the monitor and audio devices are connected to your computer at the same time, the audio devices will not produce sound. Earphones and other audio devices not included.



Listening to loud audio for prolonged periods of time may permanently damage your hearing.

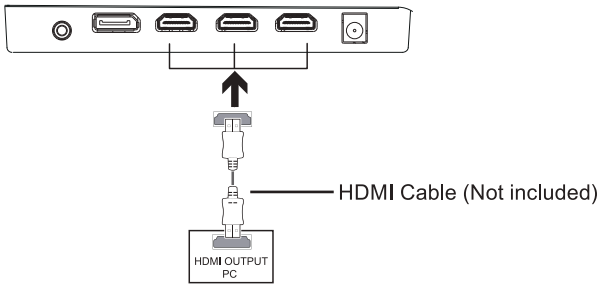
6.3 – DP Connectivity

In order for the monitor to receive DP signals from the computer, use the DP cable to connect the monitor to the computer.



6.4 – HDMI Connectivity

In order for the monitor to receive HDMI signals from the computer, use an HDMI cable to connect the monitor to the computer.

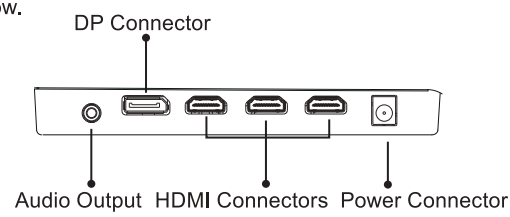


Part 7: Basic Operation

1. Insert one end of the DP cable into your PC's graphics card. Other connection types may be used. Additional cables not included.

For optimal refresh rate (or "performance"), it is recommended to use a DP (display port) or HDMI cable with the monitor's corresponding connector.

2. Connect the other end of the cable to the corresponding connector on your monitor. See the image below.

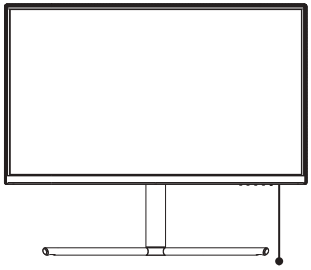


3. Connect the power cable to your monitor then connect the other end to your power source. It is recommended that you use a surge protector with adequate voltage if a wall outlet cannot be reached directly.
4. Locate the power button on the monitor and press it to turn the monitor on.

FreeSync

The feature itself is off by default. In order to use this feature, please note Set the Freesync function in the OSD menu to on,you must have hardware with FreeSync capability, a DP cable, and the latest graphic drivers. To use this feature, connect your computer and monitor with a DP cable. After connecting, you may receive a prompt to enable the feature on your computer. If you do not receive the prompt, you may need to enable the function in your graphics card menu. See your graphics card manufacturer's documentation for instructions on how to turn on and/or enable FreeSync.

Part 8: Indicator Light



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

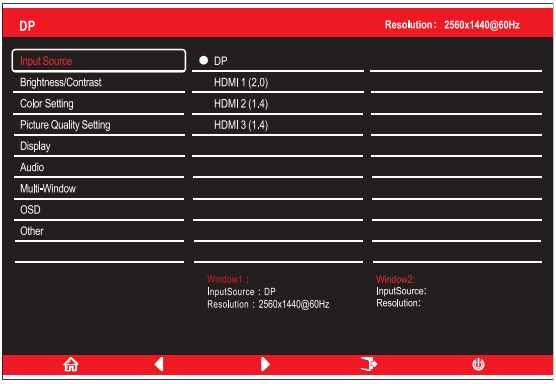
Part 9: OSD

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 **M** button.

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

1. Press any one of the buttons (**M**, ▼, ▲, E, ⏻) to activate the navigation window (Figure 1).

2. Press **M** button to enter the OSD screen (Figure 2).



3. Press ▼ or ▲ to browse functions.

a. Highlight the functions you want to set, and press **M** to enter the sub-menu.

b. Press ▼ or ▲ to browse the sub-menu, and press **M** to highlight the functions you want to set.

c. Press ▼ or ▲ to highlight the options, and press **M** to confirm the settings and exit the current screen.

4. Press **E** to exit the current screen.

9.1 – OSD Menu Functions

Main Menu	Sub-Menu	Options	Description
Input Source	HDMI 1 (2.0); HDMI 2 (1.4); HDMI 3 (1.4)	NONE	Switch to HDMI signal input
	DP	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	Set Gamma add-in
		2.0	
		2.2	
		2.4	
		2.6	
	Picture Mode	Standard, Photo, Movie, Game, FPS, RTS	Set visual mode according to activity
	Color Temperature	Warm, Cool, User	Select color temperature
	Low Blue Light	0~100	Set blue light filtering level
	Hue	0~100	Adjust hue levels
	Saturation	0~100	Adjust saturation levels
Picture Quality Setting	Sharpness	0~100	Set display sharpness
	Response Time	Off, High, Middle, Low	Adjust response time
	Noise Reduction	Off, High, Middle, Low	Reduce the interference of image noise caused by signal source interference
	Super-Resolution	Off, High, Middle, Low	When the resolution of the display screen is low, this function can be turned on to enhance the image resolution
	Dynamic Luminous Control	On, Off	Compensate for gray scale display screen and strengthen the expression of gray scale
Display	Aspect Ratio	Wide Screen, 4:3, 1:1, Auto	Select on-screen aspect ratio
	LedMode	Flicker, Normal, Off	Switch LED modes / turn LEDs on/off
Audio	Mute	On, Off	Turn mute mode on/off
	Volume	0-100	Adjust audio volume
	Audio Source	AutoSource, HDMI 1 (2.0), HDMI 2 (1.4), HDMI 3 (1.4), DP	Select audio signal input via HDMI or DP

Main Menu	Sub-Menu	Options	Description
Multi-Window	Multi-Window	Off, PIP Mode, PBP 2Win	Select PIP/PBP modes according to the number of input signals etc.
	Sub Win2 Input	DP, HDMI1, HDMI2, HDMI3	Select according to input signal for PIP/ PBP mode
	PIP Size	Small, Medium, Large	Adjust the PIP/PBP display window size
	PIP Position	TopRight, TopLeft, BottomRight, BottomLeft	Adjust the PIP/PBP window position
	Swap	NONE	Swap the two channel signal source of only the PIP/PBP 2 screens function
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	DP Version	DP1.2, DP1.1	
	FreeSync (Adaptive Sync)	On, Off	Turn the FreeSync function on/off
	HDR	Off, On, Auto Detect	Turn the HDR mode on/off
	Reset	None	Reset monitor configurations

Part 10: LED Effects and Gameplus Switching

1. Press any one of the buttons (**M**, ▼, ▲, E, ⏻) to activate the navigation window.

2. Press ▼ 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 for other scenarios.

3. Press ▲ ( ) to switch LED rear display modes or turn off the LED effects.

Part 11: Troubleshooting

11.1 – 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 48-144Hz.
- 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 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 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.

Part 12: Information

12.1 – Specifications

Item	Detail
Model Number	DGVM27AB
Screen Size	27''
Curvature	1500R
Viewing Angle	178° (H)/178° (V)
Aspect Ratio	16:9
Resolution	2560x1440p
Backlight	E-LED
Typical Brightness	300
Default Color Temperature	6500
Contrast Ratio	3000:1(Static); 1000000:1(Dynamic)
Dot Pitch	0.2331(W) x 0.2331(H)
Response Time	4ms(OD)
Refresh Rate	144Hz
Ports	HDMI x3, DP x1, Audio Output x1
Power	DC 12V⎓ 4.0A
Consumption	Max:58W, Typical: 37W, Standby ⩽ 0.5W
OSD Language	English, 简体中文, 한국어, Русский, Español, 日本語, Français
Environmental Temperature & Humidity	Operating temperature: 32ºF to 95ºF
	Storage temperature: -4ºF to 140ºF
	Operating relative humidity: RH 10% to 85% (non-condensation)
Wall Mounting	75mm x 75mm
Dimension (With Stand)	24.26 x 13.03 x 20.15 in (616.2 x 331 x 511.8mm)
Weight (Net/Gross Weight)	5.9 kg/7.84 kg

Part 13: Supported resolution and refrech rate

13.1 Supported DisplayPort

RESOLUTION & REFRESH RATE
720x400@70Hz
640x480@60Hz，75Hz
800x600@60Hz，75Hz
1024x768@60Hz，75Hz
1280x1024@75Hz
1680x1050@ 60Hz
1440x900@ 60Hz
1600x900@ 60Hz
1152x864@ 60Hz
1280x720@ 50Hz，60Hz
1280x960@ 60Hz
1920x1080@ 60Hz,144Hz
1280x1440@ 60Hz
2560x1440@ 60Hz,120Hz,144Hz

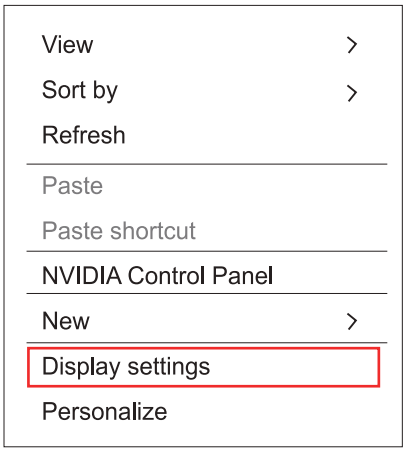
13.2 Supported HDMI Resolution

RESOLUTION & REFRESH RATE		
HDMI1	HDMI2	HDMI3
720x400@70Hz	720x400@70Hz	720x400@70Hz
640x480@60Hz，75Hz	640x480@60Hz，75Hz	640x480@60Hz，75Hz
800x600@60Hz，75Hz	800x600@60Hz，75Hz	800x600@60Hz，75Hz
1024x768@60Hz，75Hz	1024x768@60Hz，75Hz	1024x768@60Hz，75Hz
1280x1024@75Hz	1280x1024@75Hz	1280x1024@75Hz
1680x1050@ 60Hz	1680x1050@ 60Hz	1680x1050@ 60Hz
1440x900@ 60Hz	1440x900@ 60Hz	1440x900@ 60Hz
1600x900@ 60Hz	1600x900@ 60Hz	1600x900@ 60Hz
1152x864@ 60Hz	1152x864@ 60Hz	1152x864@ 60Hz
1280x720@ 50Hz，60Hz	1280x720@ 50Hz，60Hz	1280x720@ 50Hz，60Hz
1280x960@ 60Hz	1280x960@ 60Hz	1280x960@ 60Hz
1920x1080@ 60Hz	1920x1080@ 60Hz	1920x1080@ 60Hz
1280x1440@ 60Hz	1280x1440@ 60Hz	1280x1440@ 60Hz
2560x1440@ 60Hz,120Hz, 144Hz	2560x1440@ 60Hz,75Hz	2560x1440@ 60Hz,75Hz

Part 14: How to adjust the refrech rate

14.1 How to choose a high refresh rate for WIN10

1. Right-click “Display settings” on the desktop;（Pls refer to the below picture）



2. Click “Advanced display settings” (Pls refer to the below picture)

3. Click “Display adapter properties of Monitor 1” (Pls refer to the below picture)

4. Click “Monitor” (Pls refer to the below picture)

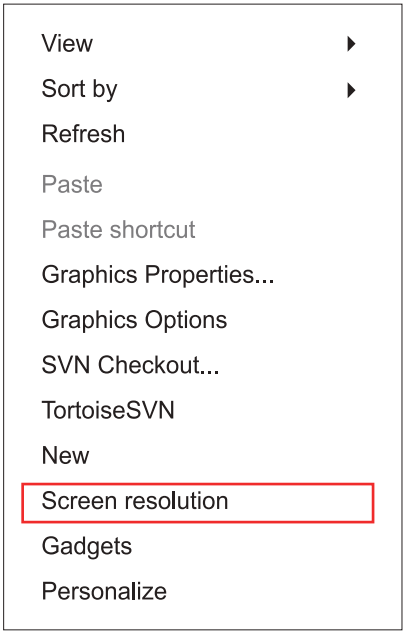
5. Click “Screen Refresh Rate(S)”: Options (Pls refer to the below picture)

6. Select the refresh rate which you like, Then click the “Apply” (Pls see the below picture) (ps : The highest refresh rate is depends on the monitor which support, Pls refer to the below picture)

7. After clicking the “Apply”, you must click “Keep changes” then the monitor switch to refresh rate which you like.(Pls refer to the below picture)

14.2 How to choose a high refresh rate for WIN7

1. Right-click “Screen resolution (C)” on the desktop;(Pls refer to the below picture)



2. Click on "Advanced Settings" ; (Pls refer to the below picture)

3. Click “Monitor” and Choose ”Monitor Settings”, then choose any refresh rate which you like, Finally Click the “Apply”.

Other Useful Information(Cont.)

Responsible Disposal

Packaging: The packaging of this product has been selected from environmentally friendly materials and can usually be recycled. Please ensure these are disposed of correctly. Plastic wrapping can be a suffocation hazard for babies and young children, please ensure all packaging materials are out of reach and are safely disposed of. Please ensure they are offered for recycling rather than throwing these materials away.

Monitor: At the end of its working life, do not throw this monitor out with your household rubbish. An environmentally friendly method of disposal will ensure that valuable raw materials can be recycled and used again. Contact your local authority for your nearest recycling centre. Electrical and electronic items contain materials and substances which, if handled or disposed of incorrectly, could potentially be hazardous to the environment and human health.

Manufacturer's 1-Year Limited Warranty

The manufacturer warrants that all parts and components are defect free in materials and workmanship for 1 year. This warranty is valid only in accordance with the conditions set forth below:

1. The warranty extends only to the original consumer purchaser and is not transferable. In addition, proof of purchase must be demonstrated.

2. This limited warranty is the only written or express warranty given by the manufacturer. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

3. This warranty gives you specific legal rights. You may also have other rights which vary by state

Procedure for Replacement or Return within the 1 Year:

To return the product for replacement or refund within the 1 year, the original purchaser must pack the product securely and send it postage paid with a description of the reason for replacement or refund, proof of purchase, and include your order number on the package, to the following address:

Deco Gear
80 Carter Drive
Edison, NJ 08817

For Technical and Warranty Support

1-800-572-3224

WWW.DECOGEAR.COM

80 Carter Dr.

Edison, NJ, 08817

Notice for FCC

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.

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.

HIGH-DEFINITION MULTIMEDIA INTERFACE

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物料号码	902-27CSR-20001		
厂内型号	27CSR	厂外型号	DGVM27AB
物料名称	说明书	品　　牌	Deco Gear
协力厂商		日　　期	20200716
规　　格	140*210mm 120g双铜+80g双铜骑钉彩印		
要　　求			
版　　本	V01	设　　计	liumeihong
确　　认		核　　准	

注：页数不够可加空白页