



GM27-CF

Cooler Master 27" Curved Gaming Monitor

User Manual



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Important Safety Instructions

Please read the following instructions carefully.

1. To clean the LCD monitor screen:

Turn off the LCD monitor and unplug the power cord.

Spray a non-solvent cleaning solution onto a rag and clean the screen gently.

2. Do not place the LCD monitor near a window. Exposing the monitor to rain, moisture or sunlight can severely damage it.

3. Do not apply pressure to the LCD screen. Excessive pressure may cause permanent damage to the display.

4. Do not remove the cover or attempt to service this unit yourself.

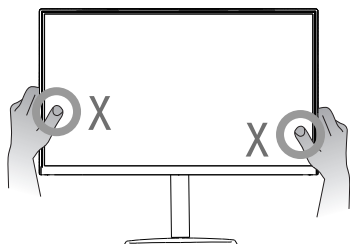
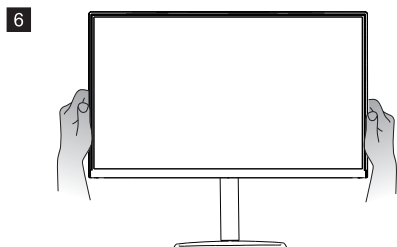
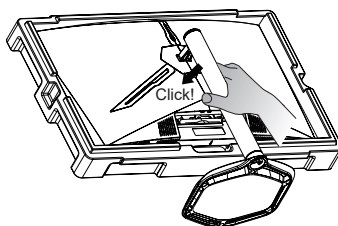
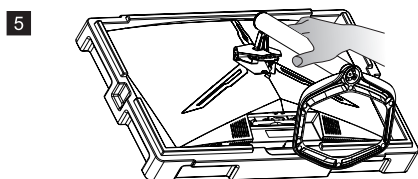
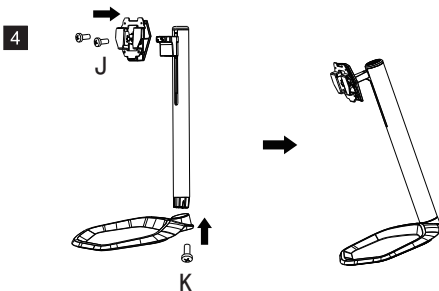
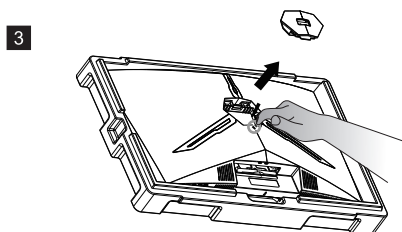
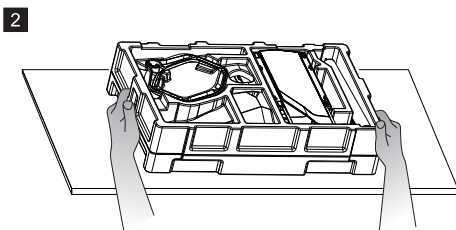
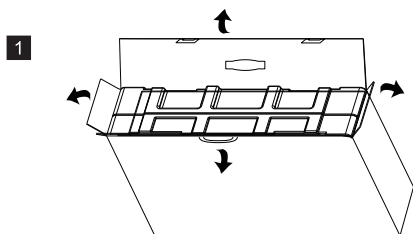
An authorized technician should perform servicing of any nature

5. Store the LCD monitor in a room with a temperature of -20° to 60° C (- 4° to 140° F). Storing the LCD monitor outside this range may result in permanent damage.

6. Immediately unplug your monitor and call an authorized technician if any of the following circumstances occur:

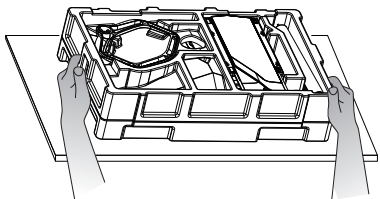
- Monitor -to-PC signal cable is frayed or damaged.
- Liquid spills onto the LCD monitor or the monitor is exposed to rain.
- The LCD monitor or case is damaged.

Connect the monitor to the base

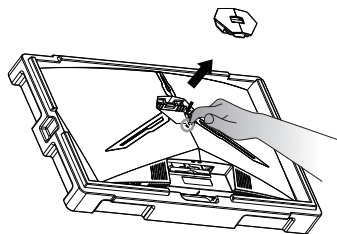


Wall Mount Installation Instructions

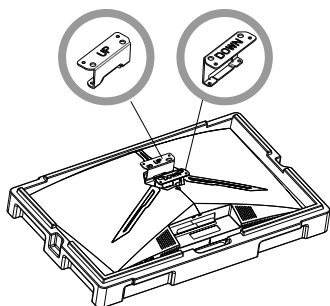
1



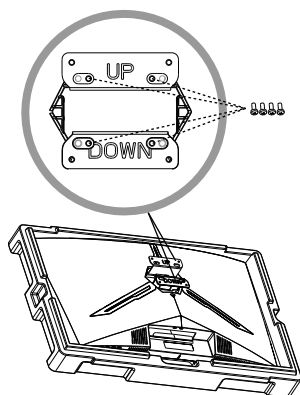
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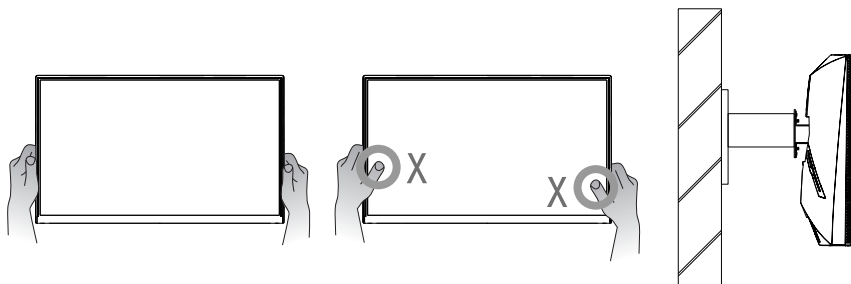
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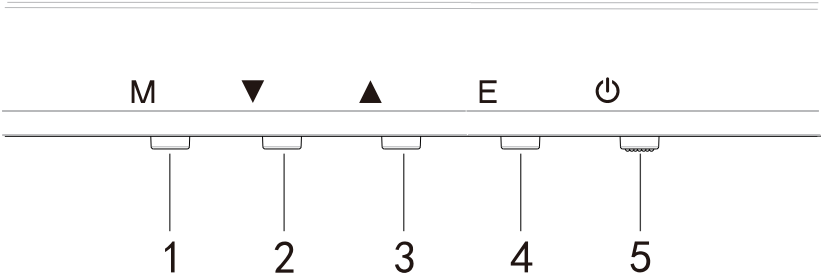
4



5



External Control Buttons



Press any of the buttons to enter the quick navigation menu, i.e., to activate the Quick Mode

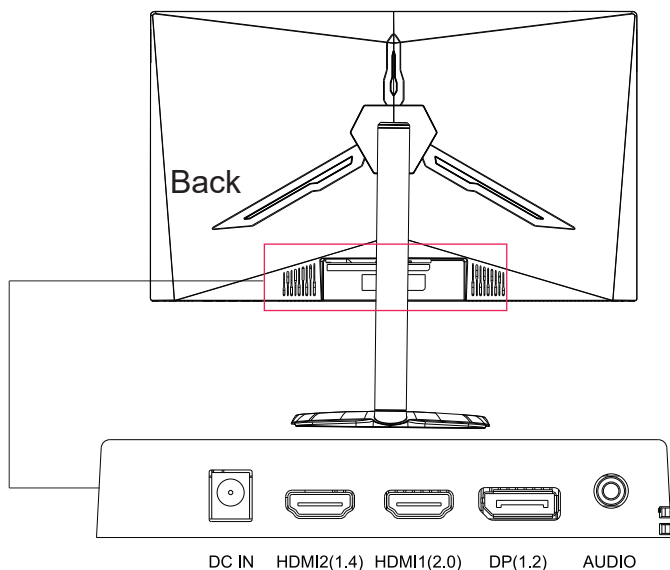
1		OSD menu	a. Press the button to enter the OSD menu to activate the Quick Mode b. After entering the OSD menu, press the button to enter submenu
2		Quick button for in-game crosshairs	a. Press the button under the Quick Mode to turn on in-game crosshairs b. When the OSD menu is activated, press the button for Down
3		Quick button for Scene Mode	a. Press the button to quickly switch between the Game, Graphic and Standard Scene Mode b. When the OSD menu is activated, press the button for Up
4		Quick button for low blue light	a. Press the button under the Quick Mode to switch to the Low Blue Light Mode b. When the OSD menu is activated, press the button to return to the last menu/exit the OSD menu
5		Power button	Turn on/off the monitor. Blue indicates the power is on. Flashing blue light indicates the monitor is under Standby Mode.

FreeSync

Switch to the Game Mode to activate FreeSync

This function enables the graphic source supporting FreeSync to adjust the screen refresh rate of the monitor in a dynamic manner.





Notes:

- DP (1.2): 165Hz (Overclock 200Hz), Adaptive Sync supported under 1920X1080
- HDMI (2.0): 165Hz, Adaptive Sync supported under 1920X1080
- HDMI (1.4): 120Hz, Adaptive Sync supported under 1920X1080

OSD Function Introductions

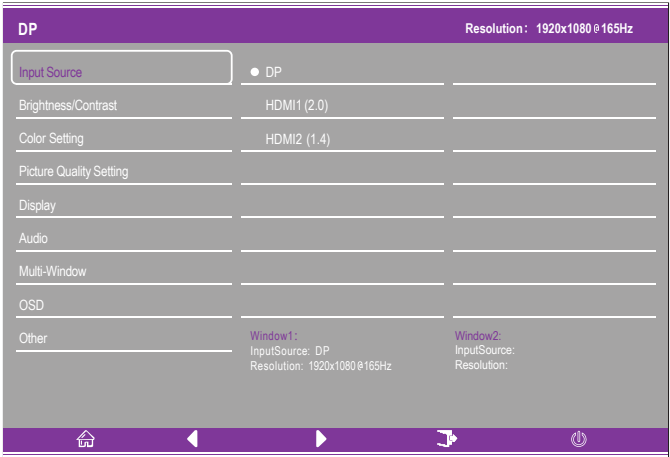
Level1	Level2	Level3	Default Value
Input Source	DP		
	HDMI1 (2.0)		
	HDMI2 (1.4)		
Brightness/Contrast	Brightness	0~100	90
	BlackLevel	0~100	50
	DCR	On Off	Off
	Contrast	0~100	50
Color Setting	Gamma	1.8	2.2
		2.0	
		2.2	
		2.4	
		2.6	
	Picture Mode	Standard	Standard
		Graphic	
		Movie	
		Game	
	Color Temperature	Warm	Warm
		Cool	
		USER	
	Low Blue Light	0~100	0
	Hue	0~100	50
	Saturation	0~100	50
Picture Quality Setting	Sharpness	Limited	Full
		Full	
	Response Time Override	0~100	50
		Off	Normal
		Fastest	
		Fast	
		Normal	
	Super Resolution	Off	Off
		High	
		Middle	
		Low	
Display	Aspect Ratio	On	Off
		Off	
		Wide Screen	
		4:3	
	LED Mode (Rear)	1:1	Wide Screen
		Auto	
		Normal	
		Off	
	Crosshair Transparency	Flicker	Normal
		0-100	0

OSD Function Introductions

Level1	Level2	Level3	Default Value
Audio	Mute	On	Off
		Off	
	Volume	0~100	50
	Audio Source	HDMI1[2.0]	
		HDMI2[1.4]	
		DP	
Multi-Window	Muti-Window	Off	Off
		PIP Mode	
		PBP 2Win	
	Sub Win2 Input	DP	
		HDMI1	
		HDMI2	
	PIP Size	Small	Medium
		Medium	
		Large	
	PIP Position	TopRight	TopRight
		TopLeft	
		BottomRight	
		BottomLeft	
	Swap		
OSD	Language	中文	English
		English	
		한국의	
		РУССКИЙ	
		Español	
		日本語	
		Francais	
		繁體中文	
	OSDH-Position	0~100	50
	OSDV-Position	0~100	50
	OSD Transparency	0~100	50
	OSD Time Out	5~100	20
	OSD Rotation	Normal	Normal
		90	
		180	
		270	
Other	FreeSync	On	Off
		Off	
	Reset		

Main Menu

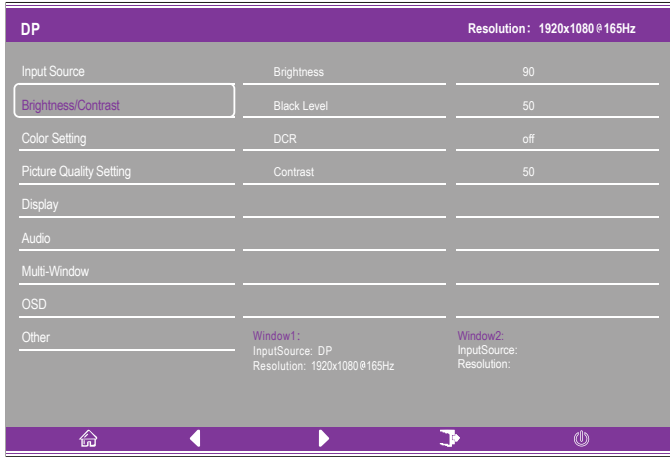
【Input】



Enter the input menu to switch the input signal.

1. DP (1.2): 165Hz (Overclock 200Hz) and Adaptive Sync supported under 1920X1080
2. HDMI (1.4): 120Hz (Overclock 200Hz) and Adaptive Sync supported under 1920X1080
3. HDMI (2.0): 165Hz and Adaptive Sync supported under 1920X1080

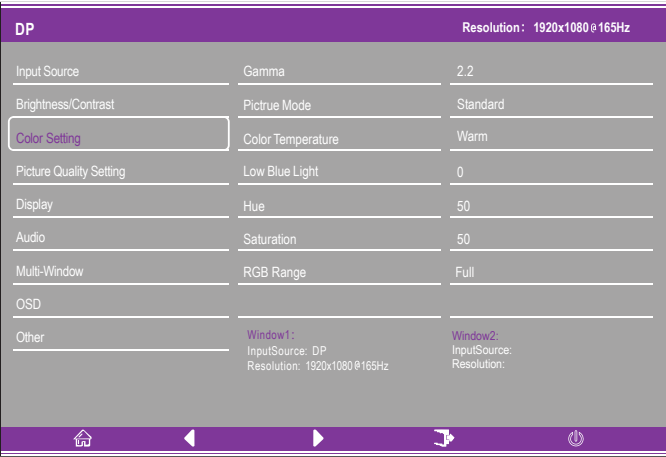
【Brightness/Contrast】



Enter the Brightness/Contrast menu to adjust the brightness, contrast and dynamic contrast functions.

1. Brightness: Adjust the brightness between 0 and 100.
2. Contrast: Adjust the contrast between 0 and 100.
3. Dynamic Contrast: Enable or Disable the dynamic contrast function.

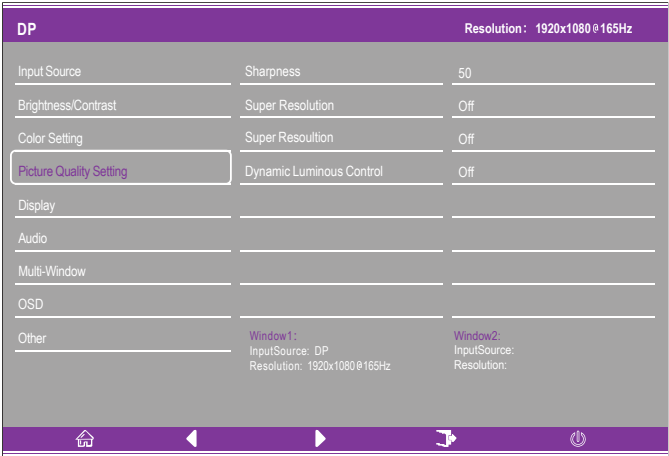
【Color】



Enter the Color menu to adjust the Gamma, Picture Mode, Color Temperature, Low Blue Light, Hue and Saturation functions etc.

- 1.Gamma: Adjust the gamma between 1.8 and 2.6.
- 2.Picture Mode: Adjust between different usage scenarios including Standard, Graphic, Movie, Game etc.
- 3.Color Temperature: Adjust between Cool, Warm and USER settings.
- 4.Low Blue Light: Adjust the low blue light setting value between 0 and 100.
- 5.Hue: Adjust the hue for the three colors red, green and blue.
- 6.Saturation: Adjust the saturation for the three colors red, green and blue.

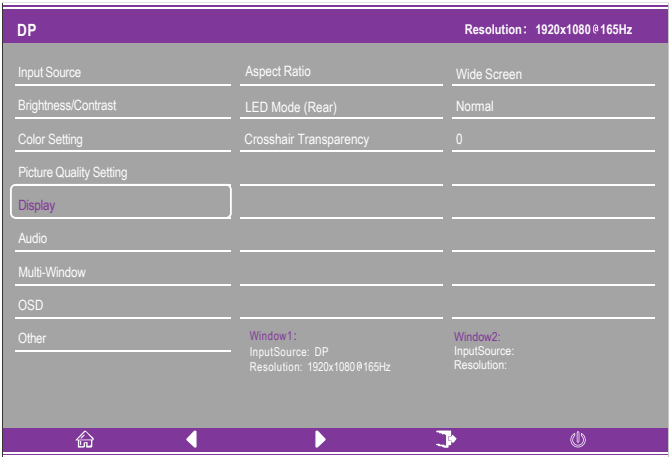
【 Picture Quality Setting 】



Enter the Picture Quality Setting menu to adjust functions including Sharpness, Response Time Override, Noise Reduction, Super Resolution, and Dynamic Luminous Control etc.

- 1.Sharpness: Adjust the sharpness between 0 and 100.
- 2.Response Time Override: Enable this to increase the response time of the monitor; it can be adjusted between Fastest, Fast, Normal and Off.
- 3.Super Resolution: Enable this to reduce the level of blurriness of edges of images and texts; it can be adjusted between High, Middle, Low and Off.
- 4.Dynamic Luminous Control: Turns the dynamic luminous function On or Off.

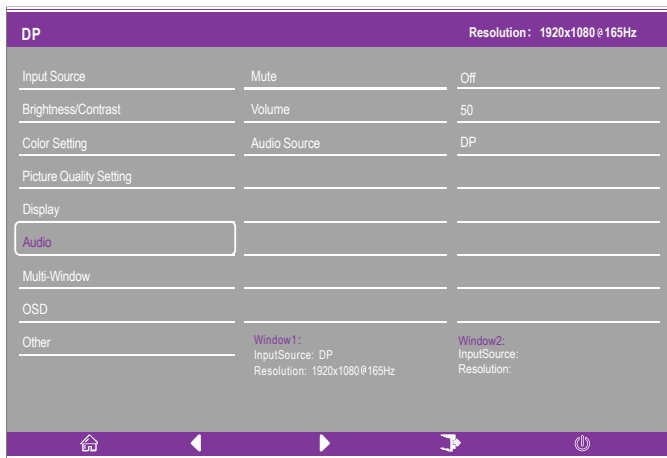
【 Display 】



Enter the Display menu to adjust functions including Aspect Ratio and LED Mode (Rear) etc.

1. Aspect Ratio: This can be set to Wide Screen, 4:3, 1:1 and Auto.
2. LED Mode (Rear): This can be set as Normal, Off or Flicker.

【 Audio 】



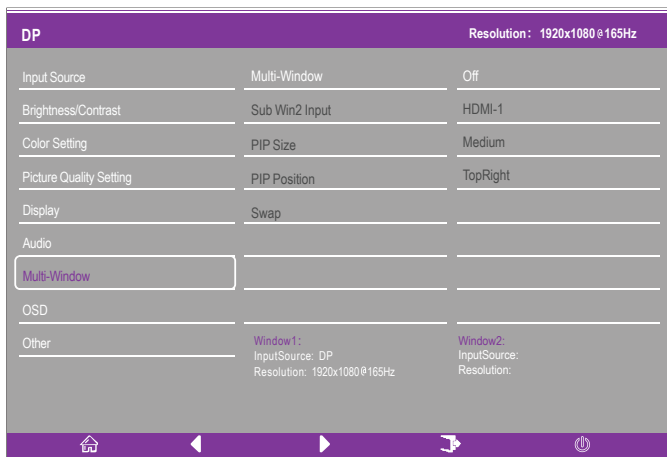
Enter the Audio menu to adjust functions including Mute function, Volume, and Audio Source etc.

1.Mute: Enables or disables the mute function.

2.Volume: Adjust the volume value between 0 and 100.

Audio Source: Select the audio source input port.

【 PIP/PBP 】



Enter the PIP/PBP menu to adjust functions including PIP/PBP mode, Sub Win2 Input, PIP Size, PIP Position and Swap etc.

1.PIP/PBP Mode: Adjust between PIP, PBP and Off.

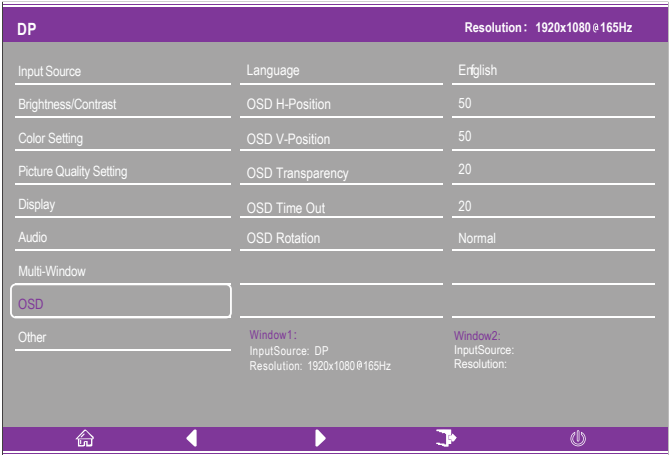
2.Sub Win2 Input: Allows selecting of the screen 2 input signal source port.

3.PIP Size: Allows adjusting of PIP display size as Small, Medium or Large.

4.PIP Position: Allows adjusting of PIP display position as TopRight, TopLeft, BottomRight or BottomLeft.

5.Swap: Turns the screen swap function On or Off.

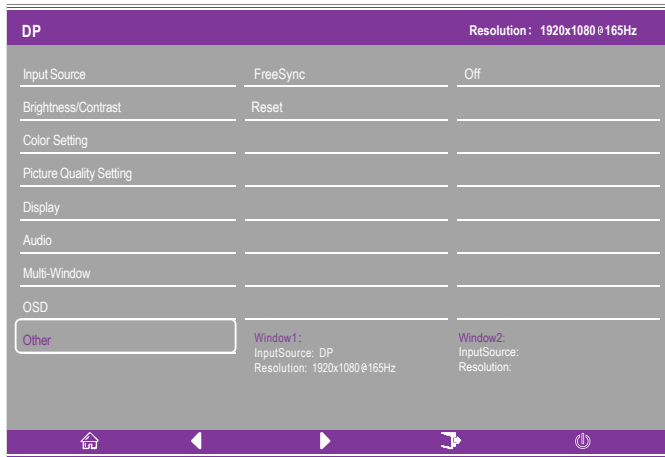
【OSD】



Enter the OSD to adjust functions including Language, OSDH-Position, OSDV-Position, OSD Transparency, OSD Time Out and OSD Rotation etc.

- 1.Language: This can be adjusted to English, Simplified Chinese, Korean, Russian, Spanish, Japanese, French or Traditional Chinese.
- 2.OSDH-Position: Adjust the horizontal position of the OSD between 0 and 100.
- 3.OSDV-Position: Adjust the vertical position of the OSD between 0 and 100.
- 4.OSD Transparency: Adjust the transparency value of the OSD between 0 and 100.
- 5.OSD Time Out: Set the display time of the OSD between 0 and 100.
- 6.OSD Rotation: Enables the rotate OSD function; it can be adjusted to Normal, 90 degrees, 180 degrees and 270 degrees etc.

【 Other 】



Enter Other to adjust functions including DP Version, FreeSync (Adaptive Sync) and reset all settings etc.

1.FreeSync (Adaptive Sync): Turns the FreeSync (Adaptive Sync) function On or Off.

Please note that the following situations might occur when playing games while FreeSync (Adaptive Sync) is turned On:

- The screen may flicker according to the video card type, game settings and the video you are currently playing. Please try to set the current FreeSync (Adaptive Sync) mode to “Off” or visit the official AND website to update the video card driver.
- The screen may flicker due to different output frequency of the video card when using FreeSync (Adaptive Sync).
- When FreeSync (Adaptive Sync) is set as “ON”, changing the resolution may result in tearing of the screen; it is recommended to set FreeSync (Adaptive Sync) as “Off” before changing resolution.
- If FreeSync (Adaptive Sync) is turned On under the 144Hz refresh frequency, it may result in flickering issues or other opposite effects under certain scenario modes.

3.Reset: Selecting this allows restoring all setting values back to the default factory status.

Specifications

LCD Panel	Drive System	TFT Color LCD
	Size	27"
	Pixel Pitch	0.3114 (H) – 0.3114 (V)
	Brightness	300 nits
	Contrast	3000:1
	Visible Angle	178° (Horizontal) 178° (Vertical)
	Response Time	3ms (GTG w/OD)
	Panel Type	VA
	Horizontal Frequency	53.28 – 183.15kHz
	Vertical Frequency	48~165Hz (200Hz Overclock)
Display Color		16.7 million colors
Maximum Resolution		DP: 1920 x 1080 165Hz (Overclock 200Hz) HDMI 2.0: 1920 x 1080 165Hz HDMI 1.4: 1920 x 1080 120Hz
Power consumption	AC Input Power	34W Typical, 48W Max
	Standby Power (Maximum)	Standby ≤ 0.5W
Input Connector		(DP) (DP models only) HDMI (HDMI models only)
Input Video Signal		DP Signal (DP input models only) HDMI Signal (HDMI input models only)
Speakers		3W x 2
Audio effect		Audio Output (Audio output models only)
Adapter		DC12 --- 4A
Environmental Conditions		Operating Temperature: 0°C~40°C Storage Temperature: -20°C~60°C Operating Humidity: 10~85%RH
Machine Dimensions		616.2X528X238.5mm
Weight (Net Weight)		5.13 KG / Unit (Net Weight)
Machine Specifications		Tilt: -5° to +15° Rotation: Can be rotated to either the left or right by 15 degrees Height Adjustment: Lifting base; stroke 110mm Removable Stand: Yes
Regulatory Compliance		
		
		
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If you have any usage problems, please visit: <https://www.coolermaster.com/warranty>

Declaration of Restricted Substances

Equipment name : LCD Monitor				Type designation (Type) : GM27-CF		
Unit	Restricted substances and its chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr ⁺⁶)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Internal and external cases (External case, case, support...)	☐	☐	☐	☐	☐	☐
Main Board	—	☐	☐	☐	☐	☐
Other Circuit Boards	—	☐	☐	☐	☐	☐
LCD Display Panel	☐	☐	☐	☐	☐	☐
Speakers	☐	☐	☐	☐	☐	☐
Base	☐	☐	☐	☐	☐	☐
Power Supply (Switching adapter)	—	☐	☐	☐	☐	☐
Accessories (Power cable, HDMI signal cable...)	☐	☐	☐	☐	☐	☐
Other fixed components (Screws, clamps, latches)	☐	☐	☐	☐	☐	☐
Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition. Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence. Note 3 : The “—” indicates that the restricted substance corresponds to the exemption.						