



GP57ZS

Cooler Master 57" Gaming Monitor

User Manual

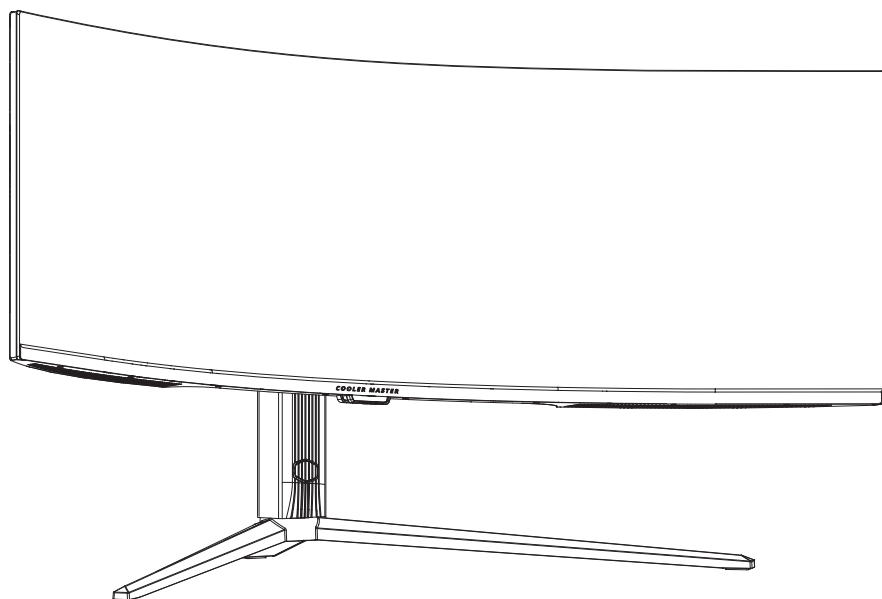


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Requirements and Safety Notice

FCC Safety Notice

This product has been tested and determined to be meeting the limits for a Class B digital device and in compliance with Part 15 of the FCC Regulations. These requirements are set to reasonably protect the home installation environment from hazardous interference. This product will generate, use and emit radio frequency energy. Failure to install and use it as instructed may cause hazardous interference to radio communication.

However, we cannot guarantee zero interference for certain installation methods. If this product has caused hazardous interference to radio or TV reception (turn on or turn off this product to for confirmation), the user may try to make adjustment with the following methods:

- Re-adjust the angle and position of the reception antenna.
- Increase the distance between the device and receiver.
- Do not use the power sockets of the device and receiver together.
- If assistance is needed, contact the distributor or a professional radio/TV technician.

CE Compliance Statement

Cooler Master Technology Inc. hereby declares that the monitor conforms to the following key standards and other related provisions:

EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU, RoHS Directive 2011/65/EU and Directive 2009/125/EC establishing a framework for the setting of eco-design requirements for energy-related products.

Note:

To prevent damage of the monitor, do not lift the monitor from the support base.

Note: Shielded cable

To comply with the EMC requirements, a shielded cable must be used for connection between this product and any other computer device.

Note:

The monitor is exclusively used in the video and image display of information acquired from electronic devices.

Note: Peripherals

Only a peripheral device (I/O device, terminal, printer, etc.) that has been certified and met the Class B limits can be sold together with this product. If this product is used together with any other uncertified peripheral device, it may cause interference to radio and TV reception.

Warning

Any change or modification not approved by the original manufacturer may lead to the user losing the right to operate this product. Such authorization is given by the Federal Communications Commission.

Requirements for Use

This product meets the limits under Part 15 of the FCC Regulations. When operating this product, please meet the following two requirements: (1) This product may not generate hazardous interference; and (2) This product must accept any interference signal received, including interference that is likely to lead to unexpected operation.

The following local Manufacturer/Importer is responsible for this declaration.

Product Name: LCD Monitor

Model No: GP57ZS

Company Name: North America - CMI USA, Inc.

Address: 1 N Indian Hill Blvd Suite 200, Claremont, CA 91711, USA

Contact Person: Cooler Master Representative

Phone No: +1-888-624-5099

Note: Canadian users

This Class B digital device complies with Canadian ICES-003 specifications.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

Disposal of Waste Equipment by Home Users in EU



If this symbol appears on a product and its package, it indicates that the product cannot be disposed of together with other household waste. You have to deliver the waste equipment to a designated recycling center for recycling of waste electrical and electronic equipment. Proper sorting and recycling of resources during the disposal of waste equipment is helpful for protecting natural resources and ensuring that resource recycling can protect human health and environment. For detailed information about recycling centers where waste equipment is disposed of, contact the local municipal office, cleaning service or the store where the purchased product is found.

电子电气产品有害物质限制使用标识要求 本产品有害物质的名称及含量标识如下表：

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴联苯醚 (PBDE)
外壳	○	○	○	○	○	○
电路板组件*	×	○	○	○	○	○
电源线/适配器	×	○	○	○	○	○
外部信号连接线	×	○	○	○	○	○
液晶面板	×	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。

*：电路板组件包括印刷电路板及其构成的零部件，如电阻、电容、集成电路、连接器等

○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 规定的限量要求以下。

×：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572 规定的限量要求。

限用物質含有情況標示聲明書

單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻Hexavalent chromium (Cr ⁺⁶)	多溴聯苯Polybrominated biphenyls (PBB)	多溴二苯醚Polybrominated diphenyl ethers (PBDE)
支架/外殼	○	○	○	○	○	○
印刷電路板	—	○	○	○	○	○
玻璃面板	—	○	○	○	○	○
電纜/電線/連接線	—	○	○	○	○	○
電源設備/外接電源供應器	—	○	○	○	○	○

備考1. “超出0.1 wt %” 及 “超出0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值。

備考2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。

備考3. “—” 係指該項限用物質為排除項目。

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.

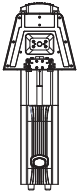
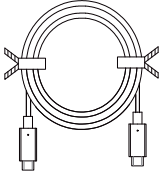
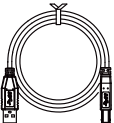
4. Do not remove the cover or attempt to service this unit yourself. An authorized technician should perform servicing of any nature

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.

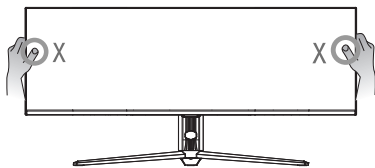
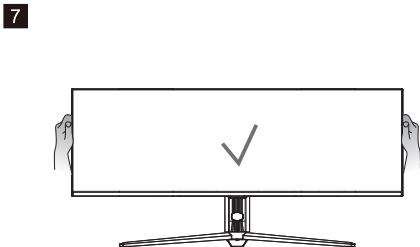
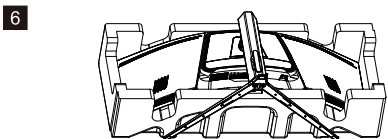
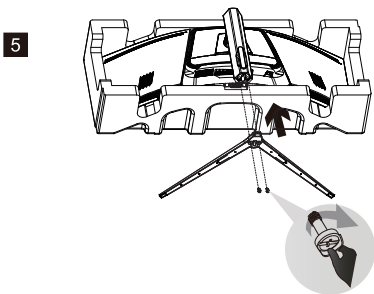
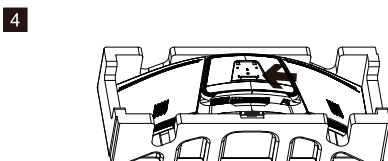
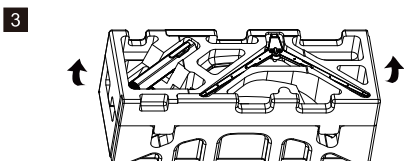
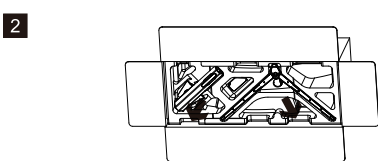
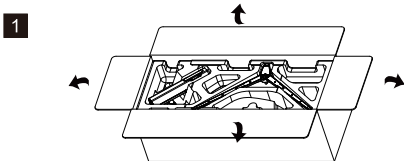
6. Immediately unplug your monitor and call an authorized technician if any of the following circumstances occur:

- 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.

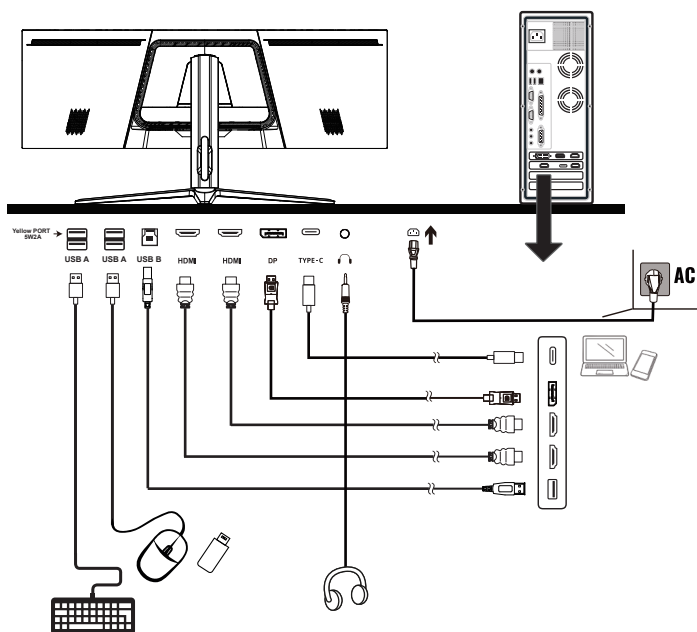
Package Contents

A  Monitor	B  Support stand	C  Support base
D  Power cord (Optional)	E  HDMI cable (Optional)	F  DP cable (Optional)
G  Cable clip (Used for cable fixed in the back of the support stand)	H  Base screws×2 (Used for installation of the support base and support stand)	I  Type C cable (Optional)
J  USB Type A to B cable (Optional) (PC and Monitor data transmission)	 Wall mounted stud×4 (Optional)	

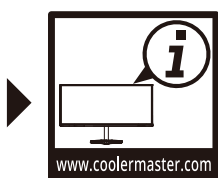
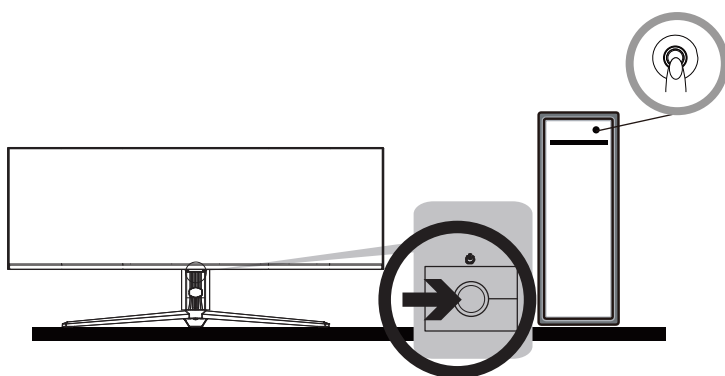
Installing the Monitor Arm/Base



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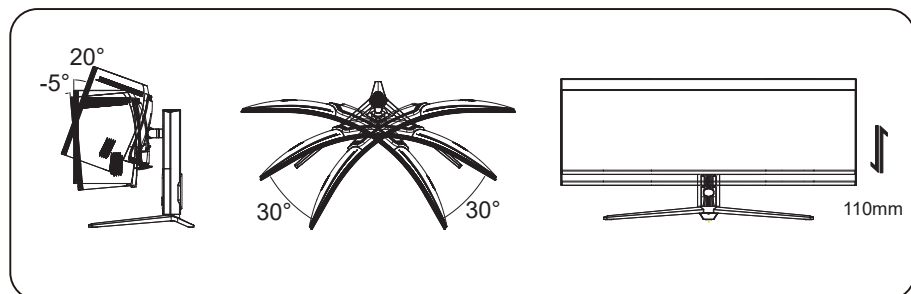


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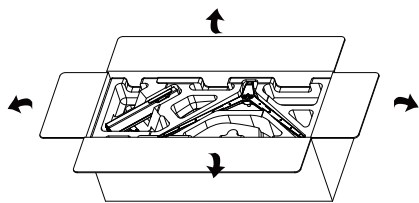
Adjusting the Monitor

- For the best results, it is recommended to look directly at the front of the monitor and make any adjusts as necessary.
- Ensure that the monitor is mounted upright on the stand base.
- When adjusting the monitor viewing angles, avoid touching the screen and hold the stand in order to prevent it from falling over.

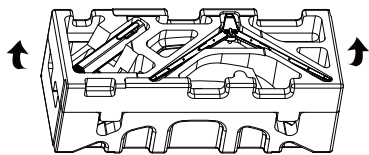


Wall Mount Installation Instructions

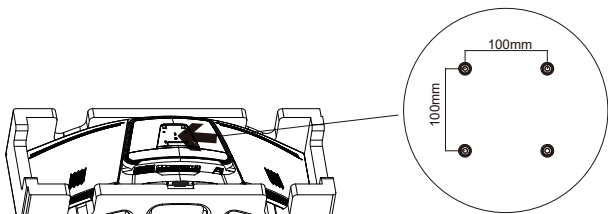
1



2

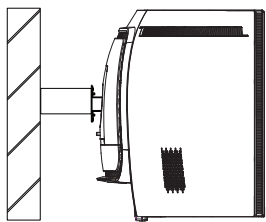
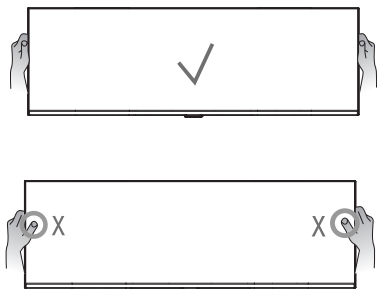


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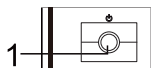


VESA: 100 x 100 mm
Screws: M4 x 10 mm
(Used in conjunction with wall mounted bracket bolts)

4



External Control Buttons



① Menu/Nav/OK button

Short press to turn on the monitor and Long press to turn off.

When the OSD menu is activated, pull up/down/left/right the button to adjust the settings you need. When finished, you can pull the Button Back to return to the previous level or use the Button Exit to close the OSD menu.

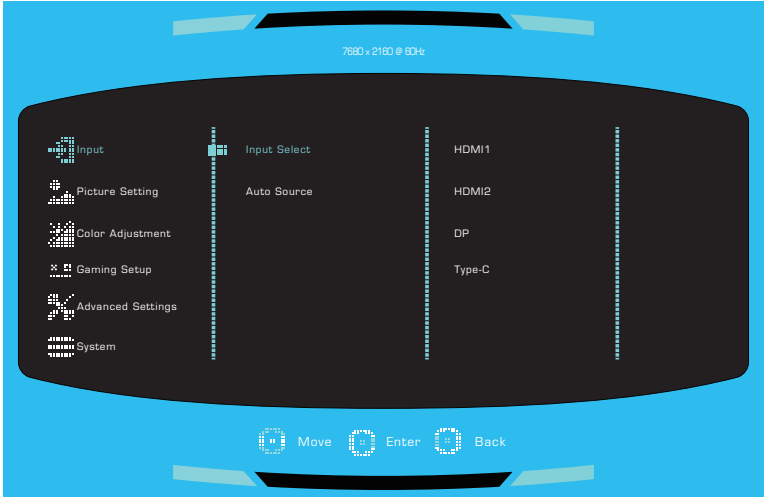
NOTE: Power light;

Blue = ON;

Orange = Power Saving.

Main Menu

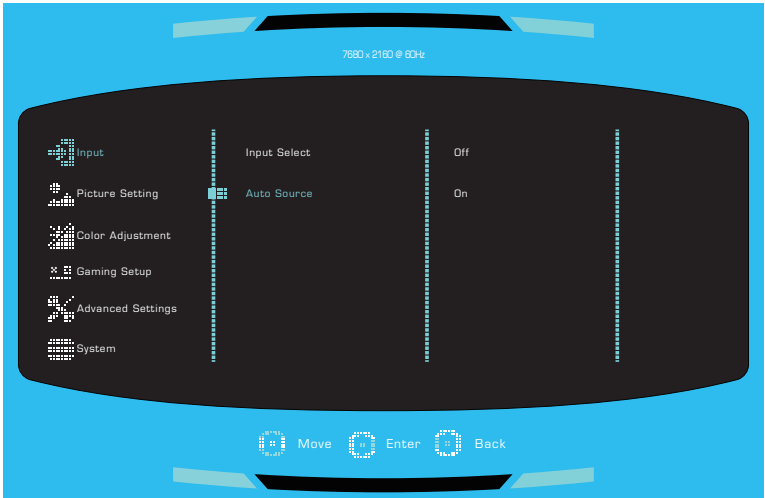
[Input]



- Enter the input menu to switch the input signal.

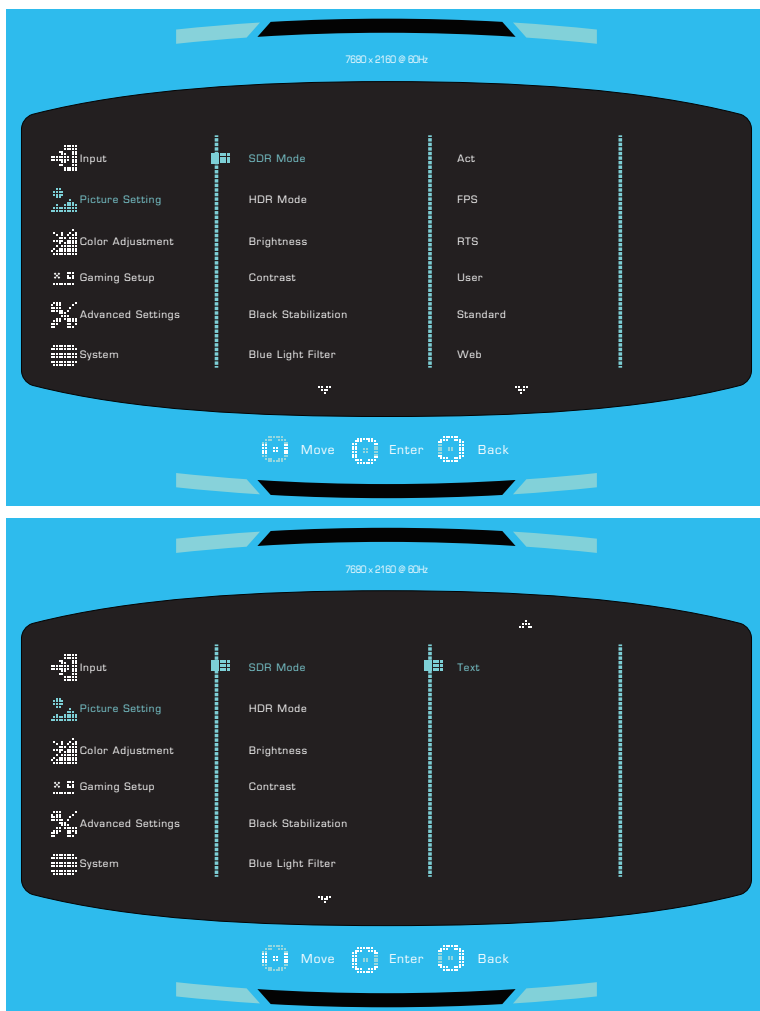
Input Select: Four signal sources can be connected:

- HDMI1: 120Hz (MAX) and FreeSync supported under 7680X2160
- HDMI2: 120Hz (MAX) and FreeSync supported under 7680X2160
- DP: 120Hz (MAX) and FreeSync supported under 7680X2160
- Type C: 120Hz (MAX) under 7680X2160



Auto Source: Automatic Signal Source Selection

[Picture Setting]



- Enter the Picture Setting menu to adjust different picture modes.

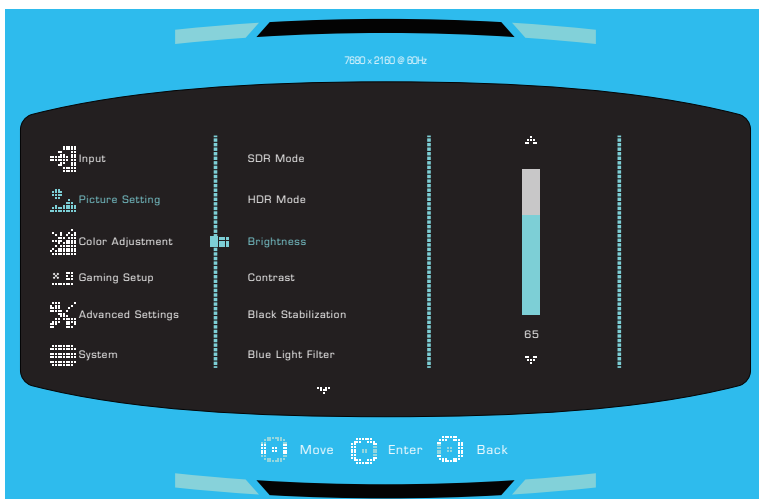
SDR Mode:

- Act: Provide the optimized setting for Act(Action) games.
- FPS: Provide the optimized setting for FPS(First Person Shooting) games to increase the visibility in dark scenes.
- RTS: Provide the optimized setting for RTS(Real-Time Strategy) games.
- User: Provide customized option for user experience.
- Standard: Enable standard picture mode.
- Web: Provide the optimized setting for website browsing experience.
- Text: Provide the optimized setting for reading.



HDR Mode:

- User: Provide customized option for user experience.
- Game: Provide the best option for gaming experience.
- Movie: Provide the optimized setting for movie watching experience.



Brightness: Adjust the backlight brightness level between 0 and 100.

Contrast: Adjust the Contrast level between 0 and 100.

Black Stabilization: Aim to brighten dark areas without overexposing the brighter areas.
The setting value is between 0 and 10.



Blue Light Filter: Adjust the Blue Light Filter value from Off, 50%, 60%, 70% and 80%.



Advanced DCR: Turn the Advanced DCR function On or Off.

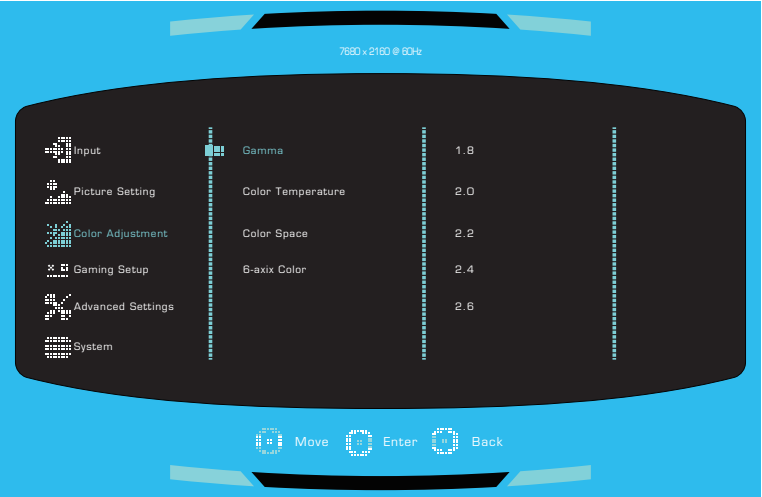
HDR: Turn the HDR function Off or Auto.

Local Dimming: Turn the Local Dimming function and select High, Medium, or Off.

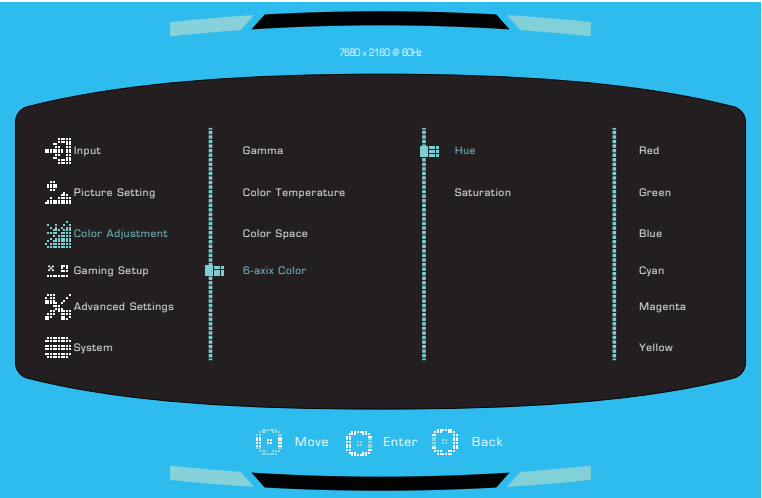
Aspect Ratio: Full or Aspect mode.

Super Sharpness: Adjust the Super Sharpness level between 0 and 100.

[Color Adjustment]



- Gamma:** Adjust gamma curve between,1.8, 2.0, 2.2, 2.4 and 2.6.
- Color Temperature:** Adjust between Bluish, Cool, Native, Warm and User Color settings which can adjust Red, Green and Blue value from 0 to 100.
- Color Space:** Convert the color space between sRGB, Rec.709, HDR, EBU, SMPTE-C, ADOBE RGB, DCI-P3, BT2020, Standard.
- 6-axis Color:** Adjust Hue and Saturation functions.
- Hue: Adjust the tone of one specific color.
 - Saturation: Adjust the intensity and colorfulness of one specific color.



[Gaming Setup]



- Go to the Gaming menu to adjust the desired Gaming mode.

FreeSync Premium: Turn the FreeSync Premium function On or Off.

*Enabling FreeSync Premium may cause side effects like flicker due to the fluctuation of the output frequency from graphics cards.

Over drive: Off, Normal, Advanced modes are available options for speeding up the response time.

Motion Clearness: MPRT setting with: Off, On options.

Game Plus:

- Timer: Off, 15 mins, 30 mins, 45 mins, 60 mins and 90 mins are available options.
- FPS Counter: Turn the FPS Counter function Off or On.
- Crosshair: Turn the Crosshair function Off or adjust its Style.

Sound Effect: Turn the Sound Effect function On or Off.

Ambient Light: Turn the Ambient Light function On, Off, Color, Lightning Mode.

[Advanced Settings]



KVM: Adjust the KVM function between Off or On.

PIP/PBP:

- Off: Turn the PIP/PBP function Off.
- PIP: A small floating window can be added on the screen to show other images by using the PIP(Picture in Picture) function.
Source, PIP Size, Location, Source Swap are available options.
- PBP: Images from different signal sources can be displayed together on the screen by using the PBP(Picture by Picture) function. Source, Source Swap are available options.

HDMI Range: Adjust the HDMI Range between Auto, Full, and Limited.

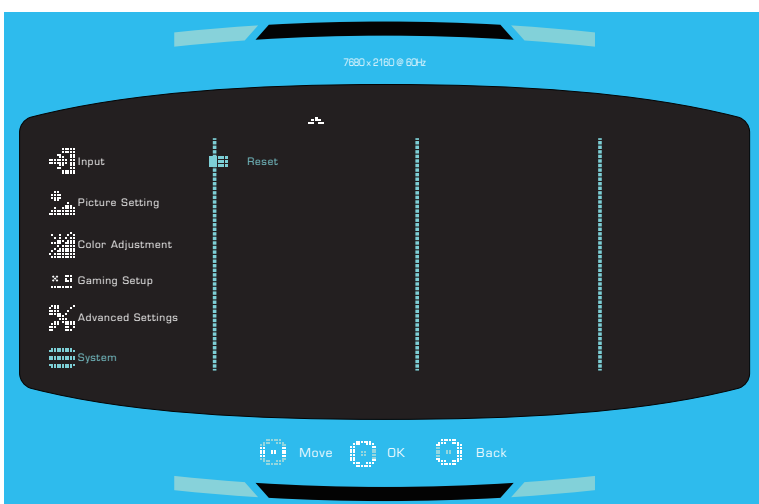
Extreme Performance: Turn the Extreme Performance function On or Off.

DSC: DSC defaults to On (Huawei devices need to be set to Off)

Compressing the data stream of display signals reduces bandwidth requirements, thereby supporting higher resolutions and refresh rates.



[System]



Language: English, French, German, Spanish, Italian, Finnish, Russian, Japanese, Korean, Traditional Chinese, Simplified Chinese are available options.

OSD Setup:

- H.Position: Adjust H Position from 0 to 100.
- V.Position: Adjust V Position from 0 to 100.
- OSD Timeout: Adjust the OSD Timeout setting value between 10 to 120.
- Transparency: Adjust the Transparency setting value between Off, 20%, 40%, 60%, and 80%.
- OSD Size: Adjust the OSD Size function between Native and Large.

Audio:

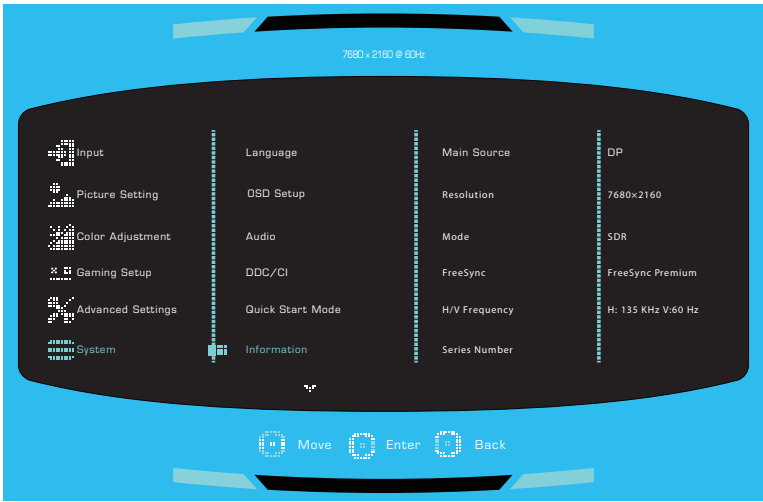
- Mute: Enable or disable the mute function.
 - Volume: Adjust the volume value between 0 and 100.
- *Adjust volume value level properly to avoid damaging hearing.

DDC/CI: Turn the DDC/CI function On or Off.

Quick Start Mode: Turn the Quick Start Mode function On or Off.

Information: View the basic information of the model including Resolution, Main Source, Mode, FreeSync, H/V Frequency and Series Number.

Reset: Restore the Settings back to default values.



Specifications

LCD panel	Size	57.1"
	Pixel pitch	0.182(H) x 0.182(V)mm
	Brightness	400 nits(Typ.) HDR1000 mode: peak 1000nits
	Contrast	3000:1(Typ.)
	Viewing angle	178°(Horizontal)178°(Vertical)
	Response time	1ms MPRT (motion clearness on)
Display colors		1.07B colors
Max. display frequency (Resolution H*V/Fv)		7680*2160 @ 120 Hz(HDMI) 7680*2160 @ 120 Hz(DP) 7680*2160 @ 120 Hz(TYPE-C)
Power consumption	Power On	65W (Typ.)**
	Standby	≤0.5W
	Power off	≤0.3W
Input/output connector		HDMI x2 DP x1 TYPE-C x1 USB 3.2 TypeB x1 USB 3.2 TypeA x4 Earphone jack x1
Input video signal		HDMI signal (HDMI model only) DP signal (DP model only) TYPE-C signal (TYPE-C model only)
Speakers		10WX2(Optional)
Audio effect		Audio output (only for audio output model)
Power supply		100-240V~ 50/60Hz 5.0A Max
Environmental conditions		Operating temperature: 0°C~40°C; Storage temperature: -20°C~60°C; Operating humidity: 10~85%RH
Machine size(L x Wx H)		1313.8X550.7X627.6mm (with arm/base) 1313.8X338.8X435.2mm (without arm/base)
Box dimension(L x Wx H)		1450X515X575 mm
Weight (Net)		17.95 kg/Unit (with arm/base) 13.50 kg/Unit (without arm/base)
Machine specifications		Tilt: -5° to 20°; Swivel: ±30°; Height: 517.6mm to 627.6mm;
Compliance		
 R38755 RoHS      HIGH DEFINITION MULTIMEDIA INTERFACE   		
The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.		

*Specifications are subject to change without notice.

**Measure a screen brightness of 200 nits without audio/USB/Card reader connection.

If you have any question regarding use of the monitor, please visit:
<https://www.coolermaster.com/warranty>

Supported Timing

PC Timing

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Nominal Pixel Clock (MHz)	Port		
VGA	640x480@60Hz	31.469	59.940	25.175	DP	HDMI	Type C
	640x480@72Hz	37.861	72.809	31.500	○	○	○
	640x480@75Hz	37.500	75.000	31.500	○	○	○
MAC	640x480@66.66Hz	35.000	66.667	30.240	○	○	○
VESA	720x400@70Hz	31.469	70.087	28.322	○	○	○
SVGA	800x600@56Hz	35.156	56.250	36.000	○	○	○
	800x600@60Hz	37.879	60.317	40.000	○	○	○
	800x600@72Hz	48.077	72.188	50.000	○	○	○
	800x600@75Hz	46.875	75.000	49.500	○	○	○
MAC	832x624@74.55Hz	49.722	74.550	57.280	○	○	○
XGA	1024x768@60Hz	48.363	60.004	65.000	○	○	○
	1024x768@70Hz	56.476	70.069	75.000	○	○	○
	1024x768@75Hz	60.023	75.029	78.750	○	○	○
MAC	1152x870@75Hz	68.681	75.062	100.000	○	○	○
VESA	1152x864@75Hz	67.500	75.000	108.000	○	○	○
	1280x960@60Hz	60.000	60.000	108.000	○	○	○
SXGA	1280x1024@60Hz	63.981	60.020	108.000	○	○	○
	1280x1024@75Hz	79.976	75.025	135.000	○	○	○
VESA	1280x720@60Hz	45.000	60.000	74.250	○	○	○
WXGA	1280x800@60Hz	49.702	59.810	83.500	○	○	○
WXGA+	1440x900@60Hz	55.935	59.887	106.500	○	○	○
WSXGA+	1680x1050@60Hz	65.290	59.954	146.250	○	○	○
FHD	1920x1080@60Hz	67.500	60.000	148.500	○	○	○
QHD	2560x1440@60Hz	88.860	60.000	241.700	○	○	○
QHD	2560x1440@120Hz	182.996	120.000	497.750	○	○	○
UHD	3840x2160@60Hz	135.000	60.000	594.000		○	
	3840x2160@60Hz	133.32	60.000	533.280	○		○
	3840x2160@60Hz	135	60.000	580.500	○	○	○
	3840x2160@120Hz	265.793	120.000	1116.330	○	○	○
8Kx2K	7680x2160@60Hz	135	60.000	1090.800	○	○	○
	7680x2160@120Hz	270	120.000	2160.000	○	○	○
	7680x2160@30Hz	67.5	30.000	540.000	○	○	○

[Video Timing]

CEA Video Timing		Timing table mapping sequence: 1. Vertical frequency(Vf), 2. Horizontal frequency(Hf), 3. Vtotal, 4. Polarity of Hsync & Vsync.						
Video ID code	Formats	Aspect Ratio	Field Rate (Hz)	Horizontal (kHz)	Vertical (Hz)	Pixel Clock (MHz)	H-Total	V-Total
1	640x480p	4:3	59.94	31.469	59.94	25.175	800	525
			60	31.500	60.00	25.200	800	525
3	720x480p	16:9	59.94	31.469	59.94	27.000	858	525
			60	31.500	60.00	27.027	858	525
4	1280x720p	16:9	59.94	44.955	59.94	74.176	1650	750
			60	45.000	60.00	74.250	1650	750
16	1920x1080p	16:9	59.94	67.433	59.94	148.352	2200	1125
			60	67.500	60.00	148.500	2200	1125
17	720x576p	4:3	50	31.250	50.00	27.000	864.000	625
19	1280x720p	16:9	50	37.500	50.00	74.250	1980.000	750
31	1920x1080p	16:9	50	56.250	50.00	148.500	2640.000	1125
63	1920x1080p	16:9	120	135	119.88/120	297	2200	1125
97	3840x2160p	16:9	60	135	60	594	4400.000	2250
18	720x576p	16:9	50	31.250	50.00	27.000	864.000	625
76	1920x1080p	64:27	59.94	67.433	59.94	148.352	2200.000	1125
68	1280x720p	64:27	50	31.250	50.00	27.000	864.000	625
75	1920x1080p	64:27	50	56.250	50.00	148.500	2640.000	1125
78	1920x1080p	64:27	120	67.433	120	296.404	2200.000	1125

Product Outline Dimensions

