



THE DISPLAY CHOICE OF PROFESSIONALS

**VA-3201 LCD Display** 

User Manual

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## **SAFETY INFORMATION**

### Federal Communications Commission (FCC) Notice (U.S. Only)



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.



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Use only an RF shielded cable that was supplied with the display when connecting this display to a computer device.

To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or excessive moisture.

THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.



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.

## **SAFETY INFORMATION**

#### **WEEE**

Disposal of Waste Equipment by Users in Private Household in the European Union.



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product

For Private Households in the European Union. To help conserve natural resources and ensure the product is recycled in a manner that protects human health and the environment, we would like to bring your attention to the following:

- The crossed-out dustbin on the device or outer packaging indicates the product is compliant with European WEEE (Waste Electrical and Electronic Equipment) Directive
- · Always dispose of the old devices separately from household waste
- Batteries should be removed beforehand and disposed separately to the right collection system
- You are responsible with regard to the deletion of personal data on old devices before disposal
- Private households can hand in their old devices free of charge
- For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product

## **PRECAUTIONS**

#### **PRECAUTIONS**







#### Symbols used in this manual



This icon indicates the existence of a potential hazard that could result in personal injury or damage to the product.



This icon indicates important operating and servicing information.

#### **Notice**

- Read this User Manual carefully before using the LCD display and keep it for future reference.
- The product specifications and other information provided in this User Manual are for reference only. All
  information is subject to change without notice. Updated content can be downloaded from our web site at
  www.agneovo.com.
- To protect your rights as a consumer, do not remove any stickers from the LCD display. Doing so may affect the determination of the warranty period.

### **Cautions When Setting Up**



Do not place the LCD display near heat sources, such as a heater, exhaust vent, or in direct sunlight.



Do not cover or block the ventilation holes in the housing.



Place the LCD display on a stable area. Do not place the LCD display where it may subject to vibration or shock.



Place the LCD display in a well-ventilated area.



Do not place the LCD display outdoors.



Do not place the LCD display in a dusty or humid environment.



Do not spill liquid or insert sharp objects into the LCD display through the ventilation holes. Doing so may cause accidental fire, electric shock or damage the LCD display.

## **PRECAUTIONS**

### **Cautions When Using**

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Use only the power cord supplied with the LCD display.



The power outlet should be installed near the LCD display and be easily accessible.



If an extension cord is used with the LCD display, ensure that the total current consumption plugged into the power outlet does not exceed the ampere rating.



Do not allow anything to rest on the power cord. Do not place the LCD display where the power cord may be stepped on.



If the LCD display will not be used for an indefinite period of time, unplug the power cord from the power outlet.



To disconnect the power cord, grasp and pull by the plug head. Do not tug on the cord; doing so may cause fire or electric shock.



Do not unplug or touch the power cord with wet hands.



#### **WARNING:**

Unplug the power cord from the power outlet and refer to qualified service personnel under the following conditions:



- When the power cord is damaged.
- If the LCD display has been dropped or the housing has been damaged.
- · If the LCD display emits smoke or a distinct odor.



Ceiling mount or mount on any other horizontal surface overhead are not advisable.



#### **WARNING:**



Installation in contravention of the instructions may result in undesirable consequences, particularly hurting people and damaging property. Users who have already mounted the display on the ceiling or any other horizontal surface overhead are strongly advised to contact AG Neovo for consultations and solutions to help ensure a most pleasurable and fulfilling display experience.

## **PRECAUTIONS**

### **Cleaning and Maintenance**



Do not attempt to service the LCD display yourself, refer to qualified service personnel. Opening or removing the covers may expose you to dangerous voltage or other risks.

### **Notice for the LCD Display**

In order to maintain the stable luminous performance, it is recommended to use low brightness setting.

Due to the lifespan of the lamp, it is normal that the brightness quality of the LCD display may decrease with time.

When static images are displayed for long periods of time, the image may cause an imprint on the LCD display. This is called image retention or burn-in.

To prevent image retention, do any of the following:

- · Set the LCD display to turn off after a few minutes of being idle.
- Use a screen saver that has moving graphics or a blank white image.
- · Switch desktop backgrounds regularly.
- · Adjust the LCD display to low brightness settings.
- · Turn off the LCD display when the system is not in use.

Things to do when the LCD display shows image retention:

- · Turn off the LCD display for extended periods of time. It can be several hours or several days.
- Use a screen saver and run it for extended periods of time.
- · Use a black and white image and run it for extended periods of time.

There are millions of micro transistors inside the LCD display. It is normal for a few transistors to be damaged and to produce spots. This is acceptable and is not considered a failure.

## **CHAPTER 1: PRODUCT DESCRIPTION**

### 1.1 Package Contents

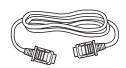
When unpacking, check if the following items are included in the package. If any of them is missing or damaged, contact your dealer.

LCD Display Base Stand

**HDMI Cable** 

Quick Start Guide

**Quick Start Guide** 





**Power Cord** 

#### Note:

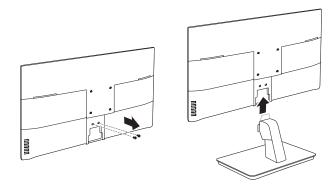
- · Use only the supplied power cord.
- The above pictures are for reference only. Actual items may vary upon shipment.

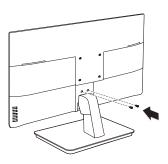
### 1.2 Installation

### 1.2.1 Installing the Stand

- 1. Place the LCD display with the screen side down on a cushioned surface.
- 2. Attach the base to the stand and fix with the screws to join them tightly.
- 3. Attach the base stand to the LCD display and fix with the screws to join them tightly.

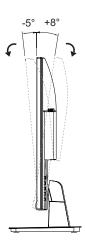






### 1.2.2 Adjusting the Tilt

For comfort viewing, tilt the LCD display up to an angle of 8°. Hold the stand with one hand and use the other to adjust the LCD display to the desired angle.

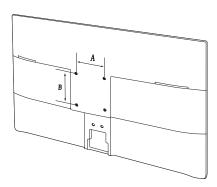


#### 1.2.3 Wall Mounting

To wall mount the LCD display, do the following steps:

- 1. Remove the base stand.
- 2. Wall mount the LCD display.

Screw the mounting bracket to the VESA holes at the rear of the LCD display.

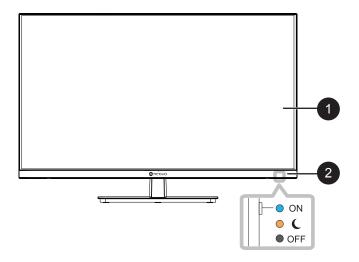


Note: Take measures to prevent the LCD display from falling down and lessen possible injury and damage to the display in case of earthquakes or other disasters.

- Use only the 100 x 100 mm wall mount kit recommended by AG Neovo. All AG Neovo wall mount kits comply with VESA standard.
- Secure the LCD display on a solid wall strong enough to bear its weight.
- It is suggested to wall mount the LCD display without tilting it facing downward.

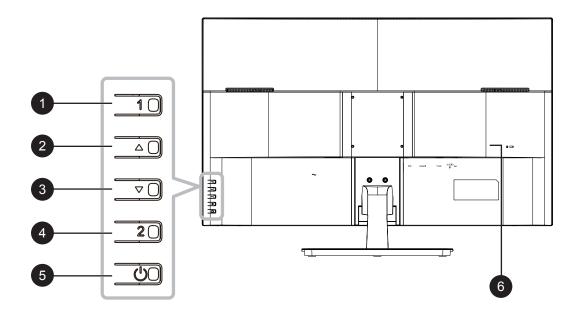
### 1.3 Overview

#### 1.3.1 Front View



- 1 Display screen
- Power status indicator: Indicates the operating status of the display:
  - Lights Blue when the display is turned on.
  - Lights amber when the display is in standby mode.
  - Lights off when the main power of the display is turned off.

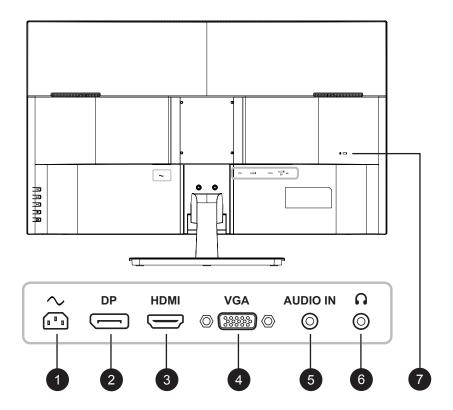
### 1.3.2 Control Buttons



No.	Button	Description
1	Menu Button	On Screen Display (OSD)  • Press to call out the OSD menu.
		During OSD menu  Use to confirm the selection or enter a submenu.
2 3	Up / Down Button [▲] Up [▼] Down	Brightness Bar  • Press the ▲ button to call out the Brightness bar.  Brightness  50 - → →
		Then press the ▲/▼ button to adjust the Brightness level.
		Note: During Brightness or menu setting adjustment, press and hold the ▲/▼ button to change the values continuously.
		Contrast Bar  • Press the ▼ button to call out the Input Select bar.  Contrast  50 - → →
		Then press the ▲/▼ button to switch the Contrast and press the Menu (2) Button to confirm.
		During OSD menu
		Use to scroll through the menu options.
		Use to select an option and adjust the settings.

No.	Button	Description
4	Auto Button (2)	Use to close the OSD menu or exit a submenu
		Auto Adjust     Hot Key: For VGA input signal source, press to perform auto adjustment.
5	Power Button ( <b>U</b> )	Power ON/OFF  • Press once to turn the monitor ON.  • Press again to turn the monitor OFF.
6	Kensington security slot: Used for security and theft prevention.	

#### 1.3.3 Rear View



- 1 AC Power Input
  - Use to connect the power cord.
- 2 DP (DisplayPort) connector

Use to connect an DisplayPort cable for digital input signal.

3 HDMI connector

Use to connect an HDMI cable for digital input signal.

4 VGA connector

Use to connect a VGA cable for analogue input signal.

5 Audio In port (3.5mm Audio Jack)

Use to connect an audio cable for audio input.

6 Headphone (3.5mm Audio Jack)

Use to connect a headphone.

7 Kensington security slot:

Used for security and theft prevention.

## **CHAPTER 2: MAKING CONNECTIONS**

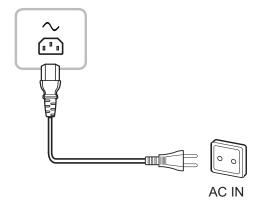
### CAUTION:



Make sure that the LCD display is not connected to the power outlet before making any connections. Connecting cables while the power is ON may cause possible electric shock or personal injury.

### 2.1 Connecting the AC Power

- 1. Connect the power cord to the AC power input at the rear of the LCD display.
- 2. Connect the plug to a power outlet or power supply.





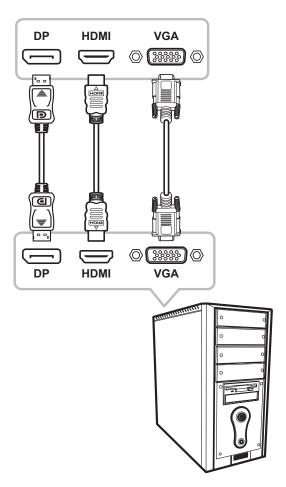
#### **CAUTION:**

When unplugging the power cord, hold the power cord by the plug head. Never pull by the cord.

## **MAKING CONNECTIONS**

### 2.2 Connecting Input Source Signals

Input source signals can be connected with either of the following cables:



#### DisplayPort

Connect one end of a DisplayPort cable to the DisplayPort connector of the LCD display and the other end to the DisplayPort connector of the computer.

#### HDMI

Connect one end of an HDMI cable to the HDMI connector of the LCD display and the other end to the HDMI connector of the computer.

#### VGA

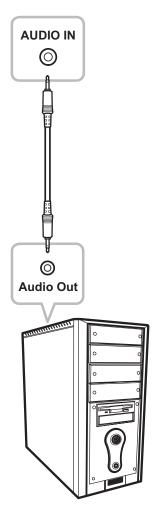
Connect one end of a D-sub 15-pin cable to the VGA connector of the LCD display and the other end to the D-sub connector of the computer.

# **MAKING CONNECTIONS**

### 2.3 Connecting Audio Devices

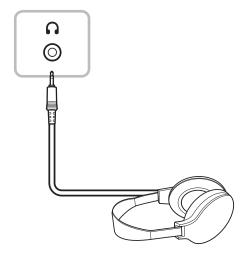
#### Audio Input

Connect one end of an audio cable to the audio port of the LCD display and the other end to the audio port of the computer.



#### Audio Output

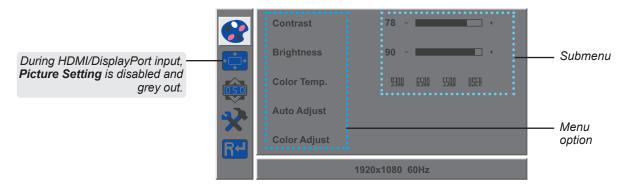
Connect a headphone to the headphone jack of the LCD display.



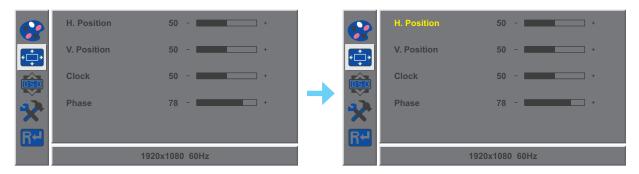
## **CHAPTER 3: ON SCREEN DISPLAY MENU**

### 3.1 Using the OSD Menu

1. Press the Menu (2) Button to call out the OSD window.

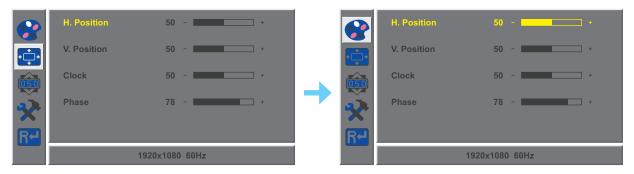


2. Press the ▲ or ▼ button to select a menu and press the Menu (2) Button to enter the selected menu.



A selected menu is highlighted in grey and the text of the selected menu option turns yellow.

3. Press the ▲ or ▼ button to select an option and press the Menu (2) Button to enter its submenu.



The text of the selected menu option or submenu turns yellow.

- 4. Press the ▲ or ▼ button to adjust the settings.
- 5. To exit the submenu, press the Auto (2) Button.
- 6. To close the OSD window, press the Auto (2) Button twice.

**Note:** When settings are modified, all changes are saved when the user does the following:

- · Proceeds to another menu
- · Exits the OSD menu
- Waits for the OSD menu to disappear

# ON SCREEN DISPLAY MENU

### 3.2 OSD Menu Tree

Main Menu	Submenu		Reference
Colour	Contrast		Refer to page 21.
	Brightness		
	Color Temp.	9300	
		6500	
		5500	
		USER	
	Auto Adjust		
	Color Adjust		
Picture	H. Position		Refer to page 22.
	V. Position		
	Clock		
	Phase		
OSD	Language	English	Refer to page 23.
		Français	
		Deutsch	
		Italiano	
		Русский	
		Spanish	
		Portuguese	
		日本語	
		한국어	
		繁體中文	
		简体中文	
	OSD H. Pos.		
	OSD V. Pos.		
	OSD Timer		
	Transparency		

# ON SCREEN DISPLAY MENU

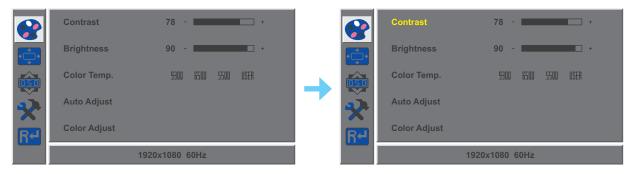
Main Menu	Submenu		Reference
Other	Mode	PC	Refer to page 24.
		Game	
		Movie	
	Volume		
	Signal Source	VGA	
		HDMI	
		DP	
	Aspect Ratio	16:9	
		AUTO	
		4:3	
	DCR	On	
		Off	
	Over Drive	On	
		Off	
	Blue Light Filter	On	
		Off	
Reset	Reset		Refer to page 25.

**Note:** Availability of some menu items depend on the input source signal. If the menu is not available, it is disabled and greyed out.

## **CHAPTER 4: ADJUSTING THE LCD DISPLAY**

### 4.1 Colour Setting

- 1. Press the Menu (2) Button to call out the OSD window.
- 2. Press the ▲ or ▼ button to select and press the Menu (2) Button to enter the Colour menu.

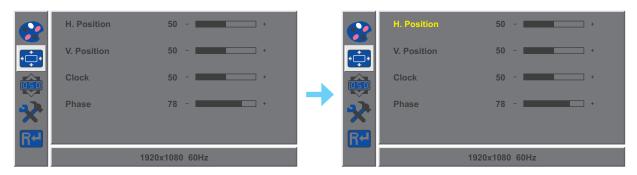


Item	Function	Operation	Range	
Contrast	Adjusts the difference between the black level and the white level.	Press the ▲or ▼ button to adjust the value.	0 to 100	
Brightness	Adjusts the luminance of the screen image.	to adjust the value.		
Color Temp. (Colour Temperature)	Provides several colour adjustment settings.	Press the ▲ or ▼ button to select the setting.	9300 6500 5500 USER	
	Colour temperature can be set to:			
	9300 - Applies a bluish tint for cooler colou	ırs.		
	6500 - This is the default colour temperature conditions.	re commonly used for norma	al lighting	
	5500 - Applies a reddish tint for warmer co	olours.		
USER - This allows users to set the colour temperature by adjusting			e red, green, or	
	blue setting according to one's preference.			
	a. Select <b>USER</b> and press the <b>Menu (2)</b> E			
	b. Press the ▲ or ▼ button to select the colour you want to adjust. Then press the			
	Menu (2) Button to enter its submenu.			
	c. Press the ▲or ▼ button to adjust the v	,		
	Note: Activate Reset to return the colour to it	s default setting.		
Auto Adjust	Automatically optimises image display.			
	<b>Note:</b> This menu option is only available if the input source is VGA.	Press the <b>Menu (2)</b>	-	
Color Adjust	Operates the white balance and automatically adjusts the colour settings.	<b>Button</b> to execute the function.		
	<b>Note:</b> This menu option is only available if the input source is VGA.		-	

### **4.2 Picture Setting**

Note: This menu is only available if the input source is VGA.

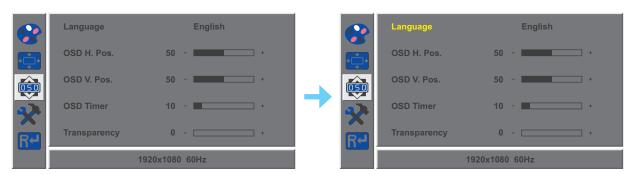
- 1. Press the Menu (2) Button to call out the OSD window.
- 2. Press the ▲ or ▼ button to select in and press the Menu (2) Button to enter the Picture menu.



Item	Function	Operation	Range
H. Position (Horizontal Position)	Moves the screen image to the left or right.	Press the ▲or ▼ button to adjust the value.	0 to 100
V. Position (Vertical Position)	Moves the screen image up or down.		
Clock	Adjusts the frequency timing to synchronise with the video signal.		
Phase	Adjusts the phase timing to synchronise with the video signal.		

### 4.3 OSD Setting

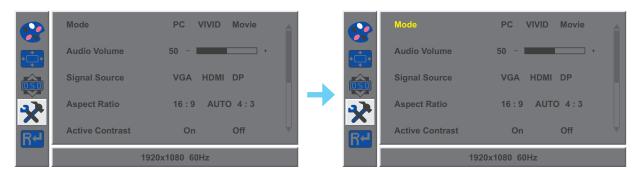
- 1. Press the Menu (2) Button to call out the OSD window.
- 2. Press the ▲ or ▼ button to select is and press the Menu (2) Button to enter the OSD menu.



Item	Function	Operation	Range
Language	Choose the language used for OSD menus.	Press the ▲or ▼ button to select the setting.	English Français Deutsch Italiano Русский Spanish Portuguese 日本語 <b>한국어</b> 繁體中文 简体中文 Polski
OSD H. Pos. (Horizontal Position)	Moves the OSD window to the left or right of the screen.	Press the ▲or ▼ button to adjust the value.	0 to 100
OSD V. Pos. (Vertical Position)	Moves the OSD window up or down the screen.		
OSD Timer	Sets the length of time (in seconds) the OSD screen is displayed. When the time elapses, the OSD screen is automatically inactivated.		5 to 60
Transparency	Adjusts the transparency level of the OSD screen.		0 to 100

### 4.4 Other Setting

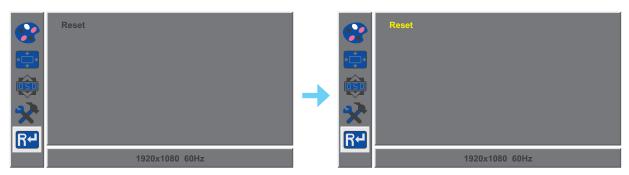
- 1. Press the Menu (2) Button to call out the OSD window.
- 2. Press the ▲ or ▼ button to select ★ and press the Menu (2) Button to enter the Other menu.



Item	Function	Operation	Range
Mode	Selects the display mode.	Press the ▲ or ▼ button to select the setting.	PC Game Movie
Volume	Adjusts the volume level of the built-in speaker.	Press the ▲ or ▼ button to adjust the value.	0 to 100
Signal Source	Switches the input source.	Press the ▲ or ▼ button to select the setting.	VGA HDMI DP
Aspect Ratio	Selects the aspect ratio of the screen image.		16:9 AUTO 4:3
DCR	Automatically adjusts the image contrast according to the scene.  Note: If this function is On, Colour > Brightness/Contrast are grey out.		On Off
Over Drive	Enhance the monitor response time.		On Off
Blue Light Filter	Enables/Disables the blue light filter function. When enabled, it decreases the amount of blue light displayed on the screen, ensuring users a comfortable viewing experience by reducing eyestrain after long periods of use.		0 to 100

### 4.5 Reset Setting

- 1. Press the Menu (2) Button to call out the OSD window.
- 2. Press the ◀ or ▶ button to select 🙌 and press the Menu (2) Button to enter the Reset menu.



3. Press the Menu (2) Button to restore your device to factory settings.

## **CHAPTER 5: APPENDIX**

### **5.1 Warning Messages**

When any of these warning messages appear, check the following items.

Warning Message	Cause	Solution
Out of range	The resolution or the refresh rate of the graphics card of the computer is set too high.	√ Change the resolution or the refresh rate of the graphics card.
No Input Signal	The LCD display cannot detect the input source signal.	<ul> <li>✓ Check if the input source is turned ON.</li> <li>✓ Check if the signal cable is properly connected.</li> <li>✓ Check if any pin inside the cable connector is twisted or broken.</li> </ul>
CHANGING SETTINGS IN OSD MENU MAY INCREASE THE POWER CONSUMPTION OF YOUR MONITOR.  DO YOU WANT TO CONTINUE TO CHANGE?  ACCEPT  CANCEL	This warning message pops up only when the functionin the settings menu is changed for the first time.	<ul> <li>✓ Press the <b>OK</b> button (the "ACCEPT" tab is selected by default) to continue the setting changes, or select the "CANCEL" tab and press the <b>OK</b> button button to disable the setting changes.</li> <li>✓ Note: The operation may vary from different product models.</li> </ul>

# APPENDIX

## **5.2 Troubleshooting**

Problems	Possible Cause and Solution
No picture.  • LED indicator is OFF.	<ul> <li>Check if the LCD display is turned ON.</li> <li>Check if the power cord is properly connected to the LCD display.</li> <li>Check if the power cord is plugged into the power outlet.</li> </ul>
LED indicator is green.	<ul> <li>Check if the computer is turned ON.</li> <li>Check if the computer is in standby mode, move the mouse or press any key to wake up the computer.</li> </ul>
Image position is incorrect.	For VGA input, adjust the <b>H. Position</b> and <b>H. Position</b> settings in <b>Picture</b> ( menu (refer to page 22).
The displayed texts are blurry.	<ul> <li>For VGA input, do the following:</li></ul>
Red, blue, green, white dots appear on the screen.	There are millions of micro transistors inside the LCD display. It is normal for a few transistors to be damaged and to produce spots. This is acceptable and is not considered a failure.
No audio output.	<ul> <li>Check if the volume is set to 0.</li> <li>In Other ( ) menu, check if the Audio Volume setting is set to 0 (refer to page 24).</li> <li>For VGA input, check the audio setting of the computer.</li> </ul>
Dew formed on the LCD display.	This normally happens when the LCD display is moved from a cold room to a hot room temperature. Do not turn ON the LCD display, wait for the dew condensation to disappear.
Faint shadows from a static image appear on the screen.	<ul> <li>Turn off the LCD display for extended periods of time.</li> <li>Use a screen saver or a black and white image and run it for extended periods of time.</li> </ul>

# **CHAPTER 6: SPECIFICATIONS**

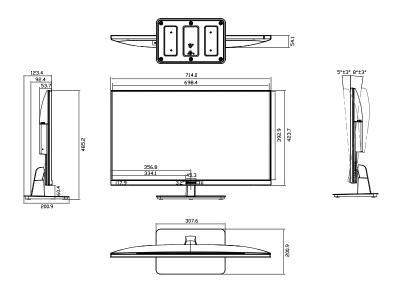
### **6.1 Display Specifications**

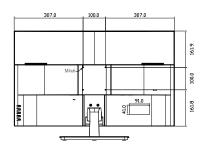
		VA-3201
Panel	Panel Type	LED-Backlit TFT LCD (VA Technology)
	Panel Size	31.5"
	Max. Resolution	FHD 1920 x 1080
	Pixel Pitch	0.364 mm
	Brightness	300 cd/m <sup>2</sup>
	Contrast Ratio	4000:1
	Viewing Angle (H/V)	178°/178°
	Display Colour	16.7M
	Response Time	5 ms
	Surface Treatment	Anti-Glare Treatment (Haze25%), 3H Hard Coating
Frequency (H/V)	H Freq.	30 kHz-83 kHz
	V Freq.	56 Hz-75 Hz
Input	DisplayPort	x 1
	HDMI	1.4 x 1
	VGA	15-Pin D-Sub x 1
Audio	Audio In	Stereo Audio Jack (3.5 mm)
	Audio Out	Stereo Audio Jack (3.5 mm)
	Internal Speaker	3W x 2
Power	Power Supply	Internal
	Power Requirements	AC 100-240V, 50/60 Hz
	On Mode	27W
	Standby Mode	< 0.5W
	Off Mode	< 0.3W
Operating Conditions	Temperature	5°C-35°C (41°F-95°F)
	Humidity	20%-85% (non-condensing)
Storage Conditions	Temperature	-20°C-60°C (-4°F-140°F)
	Humidity	5%-85% (non-condensing)
Mounting	VESA FPMPMI	Yes (100 x 100 mm)
Stand	Tilt	-5° to 8°
Security	Kensington Security Slot	Yes
Dimensions	Product with Base (W x H x D)	714.0 x 485.2 x 200.9 mm (28.1" x 19.1 " x 7.9")
	Product w/o Base (W x H x D)	714.0 x 423.7 x 54.1 mm (28.1" x 16.7" x 2.1")
	Packaging (W x H x D)	799.0 x 530.0 x 140.0 mm (31.5" x 20.9" x 5.5")
Weight	Product with Base	7.2 kg (15.9 lb)
	Product w/o Base	5.7 kg (12.6 lb)
	Packaging	9.5 kg (20.9 lb)

Note: All specifications are subject to change without prior notice.

# **SPECIFICATIONS**

### **6.2 Display Dimensions**





#### **AG Neovo**

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