AOC U27E3UF LCD Monitor User Manual

Contents

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Safety

National Conventions

The following subsections describe national conventions used in this document.

Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or italic type. These blocks are notes, cautions, and warnings, and they are used as follows:

NOTE: A NOTE indicates important information that helps you make better use of your computer system.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem. Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by a regulatory authority.

Power

The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company. The monitor is equipped with a three-pronged grounded plug and a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.

Unplug the unit during a lightning storm or when it will not be used for long periods. This will protect the monitor from damage due to power surges. Do not overload power strips and extension cords. Overloading can result in fire or electric shock. To ensure satisfactory operation, use the monitor only with UL-listed computers that have appropriate configured receptacles marked between 100-240V AC, Min. 5A. The wall socket shall be installed near the equipment and shall be easily accessible.

Installation

Do not place the monitor on an unstable cart, stand, tripod, bracket, or table. If the monitor falls, it can injure a person and cause serious damage to this product. Use only a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with this product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. A product and cart combination should be moved with care.

Never push any object into the slot on the monitor cabinet. It could damage circuit parts causing a fire or electric shock. Never spill liquids on the monitor. Do not place the front of the product on the floor. If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.

Leave some space around the monitor as shown below. Otherwise, air circulation may be inadequate hence overheating may cause a fire or damage to the monitor. To avoid potential damage, for example, the panel peeling from the bezel, ensure that the monitor does not tilt downward by more than -5 degrees. If the -5 degree downward tilt angle maximum is exceeded, the monitor damage will not be covered under warranty. See below the recommended ventilation areas around the monitor when the monitor is installed on the wall or on the stand:

Installed with stand

Cleaning
Clean the cabinet regularly with a water-dampened, soft cloth. When cleaning use a soft cotton or microfiber cloth. The cloth should be damp and almost dry, do not allow liquid into the case. Please disconnect the power cord before cleaning the product.

Other
If the product is emitting a strange smell, sound, or smoke, disconnect the power plug IMMEDIATELY and contact a Service Center. Make sure that the ventilating openings are not blocked by a table or curtain. Do not engage the LCD monitor in severe vibration or high-impact conditions during operation. Do not knock or drop the monitor during operation or transportation. The power cords shall be safety-approved. For Germany, it shall be H03VV-F/H05VV-F, 3G, 0.75 mm2, or better. For other countries, the suitable types shall be used accordingly. Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphones and headphones output voltage and therefore the sound pressure level.

Setup

Contents in Box

Not all signal cables will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

Stand & Base Setup
Please set up or remove the base by following the steps below.

Setup

Remove

Specification for base screw: M6*13 mm (effective thread 5.5 mm)

Adjusting Viewing Angle
To achieve the best viewing experience, it is recommended that the user make sure they can look at their whole face on the screen, then adjust the monitor's angle based on personal preference. Hold the stand so you will not topple the monitor when you change the monitor's angle. You can adjust the monitor as below:

NOTE

Do not touch the LCD screen when you change the angle. Touching the LCD screen may cause damage.

Warning

1. To avoid potential screen damage, such as panel peeling, ensure that the monitor does not tilt downward by more than -5 degrees.
2. Do not press the screen while adjusting the angle of the monitor. Grasp only the bezel.

Connecting the Monitor
Cable Connections In Back of Monitor:

1. Power switch
2. Power
3. HDMI 1/HDMI 2
4. DisplayPort
5. Earphone
6. USB3.2 Gen1 upstream
7. USB3.2 Gen1 downstream + fast chargingx1
8. USB3.2 Gen1x1
9. USB3.2 Gen1x2

Connect to PC

1. Connect the power cord to the back of the display firmly.
2. Turn off your computer and unplug its power cable.
3. Connect the display signal cable to the video connector on the back of your computer.
4. Plug the power cord of your computer and your display into a nearby outlet.
5. Turn on your computer and display. If your monitor displays an image, installation is complete.

If it does not display an image, please refer to Troubleshoot. To protect equipment, always turn off the PC and LCD monitor before connecting.

Wall Mounting
Preparing to Install An Optional Wall Mounting Arm.

This monitor can be attached to a wall mounting arm you purchase separately. Disconnect power before this procedure. Follow these steps:

1. Remove the base.
2. Follow the manufacturer's instructions to assemble the wall mounting arm.
3. Place the wall mounting arm onto the back of the monitor. Line up the holes of the arm with the holes in the back of the monitor.
4. Reconnect the cables. Refer to the user's manual that came with the optional wall mounting arm for instructions on attaching it to the wall.

Specification of wall hanger screws M4*(10+X)mm, (X=Thickness of Wall mount bracket)

Note: VESA mounting screw holes are not available for all models, please check with the dealer or official department of AOC. Always contact the manufacturer for wall-mount installation.

Display design may differ from those illustrated.

Warning

1. To avoid potential screen damage, such as panel peeling, ensure that the monitor does not tilt downward by more than -5 degrees.
2. Do not press the screen while adjusting the angle of the monitor. Grasp only the bezel.

Adaptive-Sync function

1. Adaptive-Sync function works with DisplayPort/HDMI
2. Compatible Graphics Card: The recommend list is as below, also be checked by visiting www.AMD.com

Graphics Cards

- Radeon™ RX Vega series
- Radeon™ RX 500 series
- Radeon™ RX 400 series
- Radeon™ R9/R7 300 series R9 370/X, R7 370/X, R7 265 except
- Radeon™ Pro Duo (2016)
- Radeon™ R9 Nano series
- Radeon™ R9 Fury series
- Radeon™ R9/R7 200 series (R9 270/X, R9 280/X except)

Processors

- AMD Ryzen™ 7 2700U
- AMD Ryzen™ 5 2500U
- AMD Ryzen™ 5 2400G
- AMD Ryzen™ 3 2300U
- AMD Ryzen™ 3 2200G
- AMD PRO A12-9800
- AMD PRO A12-9800E
- AMD PRO A10-9700
- AMD PRO A10-9700E
- AMD PRO A8-9600
- AMD PRO A6-9500
- AMD PRO A6-9500E
- AMD PRO A12-8870
- AMD PRO A12-8870E
- AMD PRO A10-8770
- AMD PRO A10-8770E

- AMD PRO A10-8750B
- AMD PRO A8-8650B
- AMD PRO A6-8570
- AMD PRO A6-8570E
- AMD PRO A4-8350B
- AMD A10-7890K
- AMD A10-7870K
- AMD A10-7850K
- AMD A10-7800
- AMD A10-7700K
- AMD A8-7670K
- AMD A8-7650K
- AMD A8-7600
- AMD A6-7400K

Adjusting

Hotkeys

Power
Press the Power button to turn on the monitor.

Menu/Enter
When there is no OSD, Press to display the OSD or confirm the selection.

Volume
When there is no OSD, Press the> Volume button to activate the volume adjustment bar, Press < or > to adjust the volume.

Source/Exit
When the OSD is closed, press the Source/Exit button will be Source hot key function.

Clear Vision

1. When there is no OSD, Press the " <" button to activate Clear Vision.
2. Use the " <" or ">" buttons to select between weak, medium, strong, or off settings. The default setting is always "off".
3. Press and hold the " <" button for 5 seconds to activate the Clear Vision Demo, and a message of "Clear Vision
4. Demo: on" will be displayed on the screen for 5 seconds. Press the Menu or Exit button, and the message will disappear. Press and hold the " <" button for 5 seconds again, Clear Vision Demo will be off.
5. Clear Vision function provides the best image viewing experience by converting low-resolution and blurry images into clear and vivid images.

OSD Setting

- Basic and simple instructions on the control keys.

- Luminance Color Setup Picture Boost OSD Setup Game Setting Extra Exit
- Contrast 50
- Brightness 70
- Eco mode Standard
- Gamma Gamma 1
- DCR Off

HDR Mode Off

1. Press the Menu button to activate the OSD window.
2. Press < or > to navigate through the functions. Once the desired function is highlighted, press the Menu button to activate it, and press < or > to navigate through the sub-menu functions. Once the desired function is highlighted, press the Menu button to activate it.
3. Press < or > to change the settings of the selected function. Press the Source–button to exit. If you want to adjust any other function, repeat steps 2-3.
4. OSD Lock Function: To lock the OSD, press and hold the Menu button while the monitor is off and then press the power button to turn the monitor on. To unlock the OSD – press and hold the Menu button while the monitor is off and then press the power button to turn the monitor on.
   Notes:
   1. If the product has only one signal input, the item of "Input Select" is disabled to adjust.
   2. DCR and Picture Boost, for these states that only one state can exist

Luminance

Color Setup

Picture Boost

Note
Adjust the brightness, contrast, and position of the Bright Frame for a better viewing experience.

OSD Setup

Game Setting

Note
When "HDR Mode" under "Luminance" is set to "non-off", the items "Game Mode", "Shadow Control", and "Game Color" cannot be adjusted.

Extra

Exit

LED Indicator

Troubleshoot

Specification
General Specification

Note
The maximum number of colors supported by this product is 1.07 billion. The setting conditions are listed in the following table (due to output limitations of some graphics cards, there may be differences) :

Preset Display Modes
Note: According to the VESA standard, there may be a certain error (+/-1Hz) when calculating the refresh rate (field frequency) of different operating systems and graphics cards. To improve compatibility, the nominal refresh rate of this product has been rounded off. Please refer to the actual product.

Pin Assignments
19-Pin Color Display Signal Cable

20-Pin Color Display Signal Cable

Plug and Play
Plug & Play DDC2B Feature
This monitor is equipped with VESA DDC2B capabilities according to the VESA DDC STANDARD. It allows the monitor to inform the host system of its identity and, depending on the level of DDC used, communicate additional information about its display capabilities. The DDC2B is a bi-directional data channel based on the I2C protocol. The host can request EDID information over the DDC2B channel.

Documents / Resources

AOC U27E3UF LCD Monitor [pdf] User Manual
27, U27E3UF LCD Monitor, U27E3UF, LCD Monitor, Monitor

References

- /IOC **Homepage | AOC Monitors**
- **User Manual**