

Acer LCD Monitor

User's Guide

Copyright © 2022. Acer Incorporated.
All Rights Reserved.

Acer LCD Monitor User's Guide
Original Issue: 07/2022

Changes may be made periodically to the information in this publication without obligation to notify any person of such revisions or changes. Such changes will be incorporated in new editions of this manual or supplementary documents and publications. This company makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims the implied warranties of merchantability or fitness for a particular purpose.

Record the model number, serial number, purchase date and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your computer. All correspondence concerning your unit should include the serial number, model number and purchase information.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronically, mechanically, by photocopy, recording or otherwise, without the prior written permission of Acer Incorporated.

Acer LCD Monitor User's Guide

Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

Acer and the Acer logo are registered trademarks of Acer Incorporated. Other companies' product names or trademarks are used herein for identification purposes only and belong to their respective companies.

Special notes on LCD monitors

The following are normal with the LCD monitor and do not indicate a problem.

- Due to the nature of the fluorescent light, the screen may flicker during initial use. Turn off the power switch and then turn it on again to make sure the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- The LCD screen has 99.99% or more effective pixels. It may include blemishes of 0.01% or less such as a missing pixel or a pixel lit all the time.
- Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image, when the same image is displayed for hours. In this case, the screen is recovered slowly by changing the image or turning off the power switch for a few hours.

Information for your safety and comfort

Safety instructions

Read these instructions carefully. Keep this document for future reference.

Follow all warnings and instructions marked on the product.

Cleaning your monitor

Please carefully follow these guidelines when cleaning the monitor:

- Always unplug the monitor before cleaning.
- Use a soft cloth to wipe the screen and cabinet front and sides.

Connecting/disconnecting the device

Observe the following guidelines when connecting and disconnecting power from the LCD monitor:

- Make sure the monitor is attached to its base before connecting the power cord to the AC power outlet.
- Make sure both the LCD monitor and the computer are turned off before connecting any cable or unplugging the power cord.
- If the system has multiple sources of power, disconnect power from the system by unplugging all power cords from the power supplies.

Accessibility

Be sure that the power outlet you plug the power cord into is easily accessible and located as close to the equipment operator as possible. When you need to disconnect power from the equipment, be sure to unplug the power cord from the electrical outlet.

Safe listening

To protect your hearing, follow these instructions.

- Gradually increase the volume until you can hear it clearly and comfortably and without distortion.
- After setting the volume level, do not increase it after your ears have adjusted.
- Limit the amount of time listening to music at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

Warnings

- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.
- Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.
- To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.
- Never use it under sporting, exercising, or any vibrating environment which will probably cause unexpected short current or damage internal devices.

Using electrical power

- This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.
- If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- Do not overload a power outlet, strip or receptacle by plugging in too many devices. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip's input rating.

Product servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- the power cord or plug is damaged, cut or frayed
- liquid was spilled into the product
- the product was exposed to rain or water
- the product has been dropped or the case has been damaged
- the product exhibits a distinct change in performance, indicating a need for service
- the product does not operate normally after following the operating instructions



Note: Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.

Potentially explosive environments

Switch off your device in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

Additional safety information

Your device and its enhancements may contain small parts. Keep them out of the reach of small children.

IT Equipment Recycling Information

Acer is strongly committed to environmental protection and views recycling, in the form of salvaging and disposal of used equipment, as one of the company's top priorities in minimizing the burden placed on the environment. We at Acer are very conscious of the environmental effects of our business and strive to identify and provide the best working procedures to reduce the environmental impact of our products. For more information and help when recycling, please go to this website: <http://www.acergroup.com/public/Sustainability/>

Visit www.acer-group.com for further information on the features and benefits of our other products.

Disposal instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit <http://www.acergroup.com/public/Sustainability/>



LCD pixel statement

The LCD unit is produced with high-precision manufacturing techniques. Nevertheless, some pixels may occasionally misfire or appear as black or red dots. This has no effect on the recorded image and does not constitute a malfunction.

Tips and information for comfortable use

Computer users may complain of eyestrain and headaches after prolonged use. Users are also at risk of physical injury after long hours of working in front of a computer. Long work periods, bad posture, poor work habits, stress, inadequate working conditions, personal health and other factors greatly increase the risk of physical injury.

Incorrect computer usage may lead to carpal tunnel syndrome, tendonitis, tenosynovitis or other musculoskeletal disorders. The following symptoms may appear in the hands, wrists, arms, shoulders, neck or back:

- numbness, or a burning or tingling sensation
- aching, soreness or tenderness
- pain, swelling or throbbing
- stiffness or tightness
- coldness or weakness

If you have these symptoms, or any other recurring or persistent discomfort and/or pain related to computer use, consult a physician immediately and inform your company's health and safety department.

The following section provides tips for more comfortable computer use.

Finding your comfort zone

Find your comfort zone by adjusting the viewing angle of the monitor, using a footrest, or raising your sitting height to achieve maximum comfort. Observe the following tips:

- refrain from staying too long in one fixed posture
- avoid slouching forward and/or leaning backward
- stand up and walk around regularly to remove the strain on your leg muscles

Taking care of your vision

Long viewing hours, wearing incorrect glasses or contact lenses, glare, excessive room lighting, poorly focused screens, very small typefaces and low-contrast displays could stress your eyes. The following sections provide suggestions on how to reduce eyestrain.

Eyes

- Rest your eyes frequently.
- Give your eyes regular breaks by looking away from the monitor and focusing on a distant point.
- Blink frequently to keep your eyes from drying out.

Display

- Keep your display clean.
- Keep your head at a higher level than the top edge of the display so your eyes point downward when looking at the middle of the display.
- Adjust the display brightness and/or contrast to a comfortable level for enhanced text readability and graphics clarity.
- Eliminate glare and reflections by:
 - placing your display in such a way that the side faces the window or any light source
 - minimizing room light by using drapes, shades or blinds
 - using a task light
 - changing the display's viewing angle

- using a glare-reduction filter
- using a display visor, such as a piece of cardboard extended from the display's top front edge
- Avoid adjusting your display to an awkward viewing angle.
- Avoid looking at bright light sources, such as open windows, for extended periods of time.

Developing good work habits

Develop the following work habits to make your computer use more relaxing and productive:

- Take short breaks regularly and often.
- Perform some stretching exercises.
- Breathe fresh air as often as possible.
- Exercise regularly and maintain a healthy body.
- In order to prevent damage to the monitor, do not lift the monitor by its base.



Product Information for EU Energy



EU Declaration of Conformity

We,

Acer Incorporated

8F, 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 221

And,

Acer Italy s.r.l

Viale delle Industrie 1/A, 20044 Arese (MI), Italy.

Tel: +39-02-939-921 ,Fax: +39-02 9399-2913

www.acer.it

Product:	LCD Monitor
Trade Name:	Acer
Model Number:	PM161Q
SKU Number:	PM161Q xxxxxx;
	("x" = 0-9, a ~ z, A ~ Z, or blank)

We, Acer Incorporated, hereby declare under our sole responsibility that the product described above is in conformity with the relevant Union harmonization legislations as below Directive and following harmonized standards and/or other relevant standards have been applied:

EMC Directive: 2014/30/EU

<input checked="" type="checkbox"/> EN 55032:2015+A11:2020	<input checked="" type="checkbox"/> EN 55035:2017+A11:2020
<input checked="" type="checkbox"/> EN IEC 61000-3-2:2019+A1:2021	<input checked="" type="checkbox"/> EN 61000-3-3:2013+A1:2019

LVD Directive: 2014/35/EU

<input checked="" type="checkbox"/> EN 62368-1:2014+A11:2017
--

RoHS Directive: 2011/65/EU

<input checked="" type="checkbox"/> EN IEC 63000:2018

ErP Directive: 2009/125/EC

<input checked="" type="checkbox"/> (EU) 2019/ 2021; EN 50564:2011
--

Year to begin affixing CE marking 2022.

RU Jan / Sr. Manager
Acer Incorporated (New Taipei City)

Aug.5, 2022

Date



Acer America Corporation
333 West San Carlos St., Suite 1500
San Jose, CA 95110, U. S. A.
Tel : 254-298-4000
Fax : 254-298-4147
www.acer.com



Federal Communications Commission Declaration of Conformity

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.

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

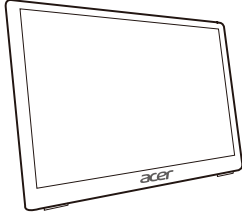
Product:	LCD Monitor
Model Number:	PM161Q
SKU Number:	PM161Q xxxxxx; ("x" = 0~9, a ~ z, A ~ Z or Blank)
Name of Responsible Party:	Acer America Corporation
Address of Responsible Party:	333 West San Carlos St. Suite 1500 San Jose, CA 95110 U. S. A.
Contact Person:	Acer Representative
Phone No.:	254-298-4000
Fax No.:	254-298-4147

Special notes on LCD monitors	iii
Information for your safety and comfort	iii
Safety instructions	iii
Cleaning your monitor	iii
Connecting/disconnecting the device	iii
Accessibility	iii
Safe listening	iv
Warnings	iv
Using electrical power	iv
Product servicing	v
Additional safety information	v
IT Equipment Recycling Information	vi
Disposal instructions	vi
LCD pixel statement	vi
Tips and information for comfortable use	vii
CE Declaration of Conformity	ix
Federal Communications Commission Declaration of Conformity	x
Unpacking	1
Attaching the monitor to the base	2
Power saving	3
Display Data Channel (DDC)	3
Connector pin assignment	4
Standard timing table	5
Installation	6
User controls	7
Adjusting the OSD settings	8
Adjusting the Brightness	8
Adjusting the Image setting	9
Adjusting the Color temp setting	9
Product the OSD setting	10
Product the Reset setting	10
Product the Music setting	11
Troubleshooting	12
Type-C model	12

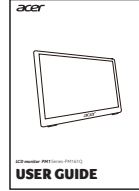
Unpacking

Please check that the following items are present when you unpack the box, and save the packing materials in case you need to ship or transport the monitor in the future.

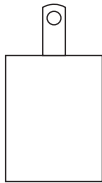
LCD monitor



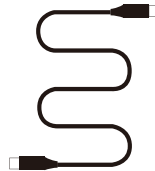
Quick start guide



PD charger



Type-C power cable (1.5m)



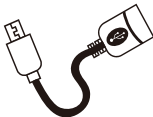
Type-C data cable (1m)



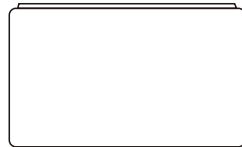
HDMI cable



micro-USB cable



Leather case



Attaching the monitor to the base

1. Remove the monitor leather case from the packaging and place it on a stable and level workspace.
2. Open leather case. The viewing angle of the monitor can be adjusted using the leather case.
(As shown below)



Power saving

The monitor will be switched to "power saving" mode by the control signal from the display controller, as indicated by the Red and blue flashing alternately power LED.

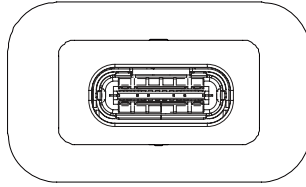
Model	LED light
On	Blue
Power saving	Red and blue flashing alternately
Off	None

The power saving mode will be kept until a control signal has been detected or the keyboard or mouse is activated. The recovery time from "power saving" mode back to "on" is around 3 seconds.

Display Data Channel (DDC)

To make installation easier, so long as your system supports the DDC protocol, the monitor is able to plug-and-play. The DDC is a communication protocol through which the monitor automatically informs the host system about its capabilities; for example, supported resolutions and corresponding timing. The monitor supports the DDC/CI standard.

Connector pin assignment



Type C (24Pin female connector)

A1	GND	B1	GND
A2	TX1+	B2	TX2+
A3	TX1-	B3	TX2-
A4	VBUS	B4	VBUS
A5	CC	B5	CONN
A6	D+	B6	
A7	D-	B7	
A8	SBU1	B8	DBU2
A9	VBUS	B9	VBUS
A10	RX-2	B10	RX-1
A11	RX2+	B11	RX+1
A12	GND	B12	GND

Standard timing table

Mode		Resolution		
1	VGA	640×480	60	Hz
2	VESA	800×600	60	Hz
3	VESA	1024×768	60	Hz
4	VESA	1280×1024	60	Hz
5	VESA	1280×720	60	Hz
6	WXGA+	1440×900	60	Hz
7	WXGA+	1600×900	60	Hz
8	WSXGA+	1680×1050	60	Hz
9	UXGA	1920×1080	60	Hz

Installation

To install the monitor on your host system, please follow the steps below:

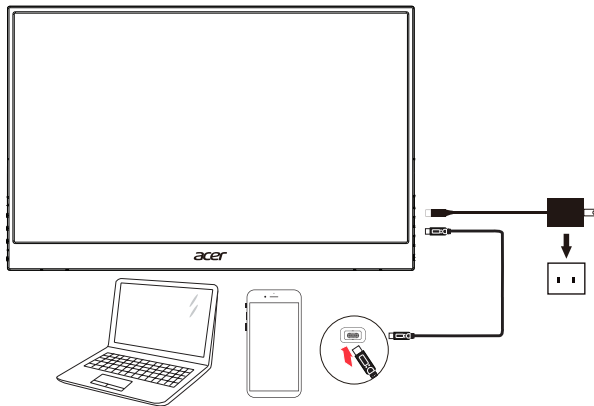
Steps

Connect the monitor to your computer

1. Connect the signal transmission cable (Thunderbolt 3 (USB-C) cable) to the monitor's Type-C jack and the Type-C output jack of the computer's display card.
2. The monitor does not require an external power supply via its micro USB port when it is connected to the computer; it only requires a single signal transmission cable (the Thunderbolt3 (USB-C) cable).

Connect the screen to your phone

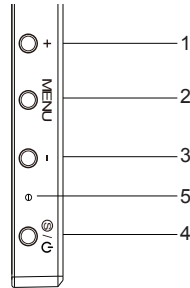
1. Connect the signal transmission cable to the Type-C jack of the monitor and the Type-C output jack on your phone.
2. Some underpowered phones require an external power supply via the monitor's micro USB port when in use.



User controls

Ⓢ / ⏻ SOURCE (EXIT) / Power Switch:

To turn the monitor ON or OFF.
Lights up to indicate the power is turned ON.



Using the Shortcut Menu

External controls

1	+	Brightness	a. Press this button to adjust the brightness directly.
		Up	b. Press this button to select the desired item when in OSD menu.
2	MENU	Menu	a. Press this button to display the menu.
		OK	b. Press this button to confirm the selection when in OSD menu.
3	-	Volume	a. Press this button to adjust the volume directly.
		Down	b. Press this button to select the desired item when in OSD menu.
4	Ⓢ / ⏻	SOURCE / EXIT	a. Press this to select signal channel. b. In OSD menu, short time press to exit menu.
		Power On/Off	c. Long time press this button to turn Off. d. Short time press this button to power On.
5	◦	LED Indicator	Turns the monitor on/off. Blue indicates power on. Alternate red and blue flash indicates standby/ power saving mode.

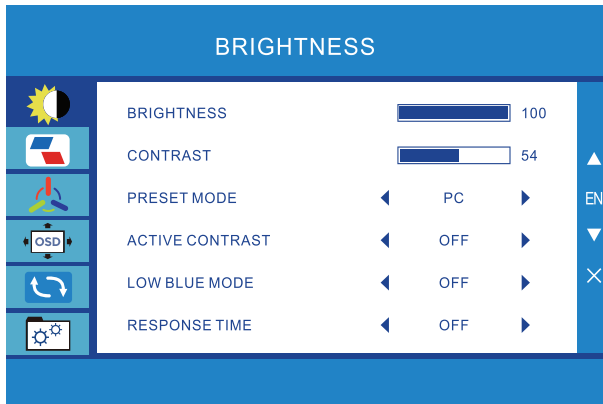
Adjusting the OSD settings




Note: The following content is for general reference only. Actual product specifications may vary.

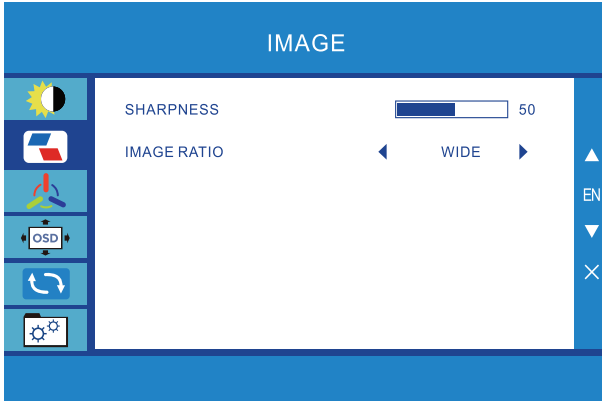
The OSD can be used for adjusting the settings of your LCD Monitor. Press the MENU key to open the OSD. You can use the OSD to adjust the picture quality, OSD setting and general settings. For advanced settings, please refer to following page:


Adjusting the Brightness setting



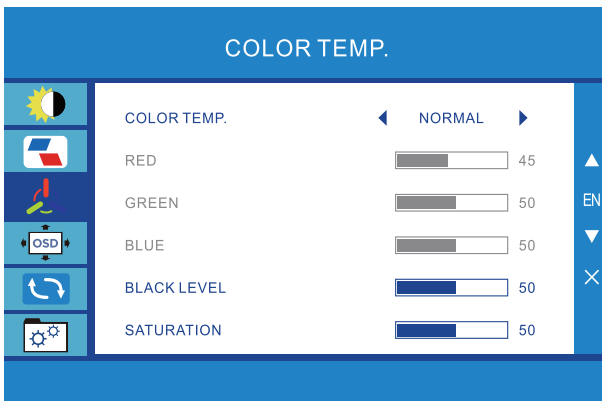
1. Press the MENU key to bring up the OSD.
2. Using the + / - keys, select  from the OSD. Then navigate to the feature you wish to adjust.
3. Press the MENU key to confirm your select.
4. Use the + / - keys to adjust the sliding scales.
5. The BRIGHTNESS menu can be used to adjust the Brightness, Contrast, Preset mode, Active contrast, Low blue mode and Response time.


Adjusting the Image setting



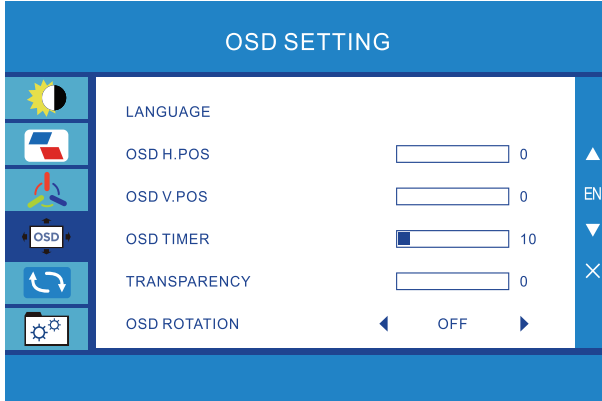
1. Press the MENU key to bring up the OSD.
2. Using the + / - keys, select  Color from the OSD. Then navigate to the feature you wish to adjust.
3. Press the MENU key to confirm your select.
4. Use the + / - keys to select Sharpness and Image ratio.


Adjusting the Color temp setting



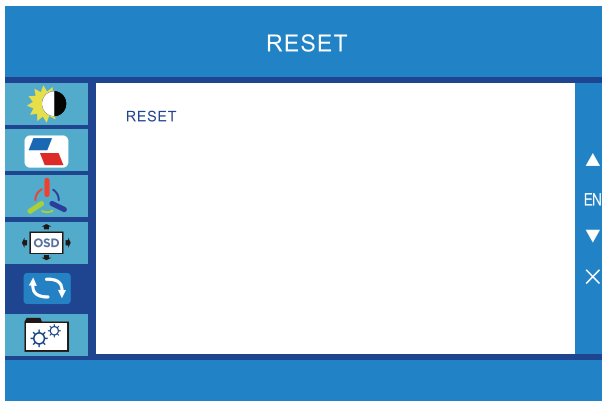
1. Press the MENU key to bring up the OSD.
2. Using the + / - keys, select  Language from the OSD. Then navigate to the feature you wish to adjust.
3. Press the MENU key to confirm your select.
4. Use the + / - keys to select Color temp., Red, Green, Blue, Black level, Saturation to adjust.


Product the OSD setting



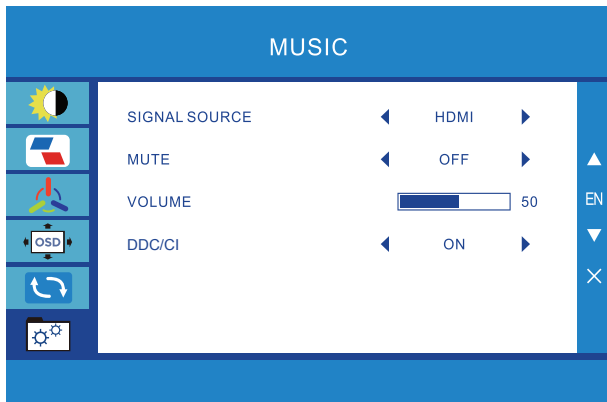
1. Press the MENU key to bring up the OSD.
2. Using the + / - keys, select  OSD Settings from the OSD. Then navigate to the feature you wish to adjust.
3. Press the MENU key to confirm your select.
4. Use the + / - keys to select Language, OSD H. POS, OSD V. POS, OSD Timer, Transparency, OSD rotation


Product the Reset setting



1. Press the MENU key to bring up the OSD.
2. Using the + / - keys, select  Steup Menu from the OSD. Then navigate to the feature you wish to adjust.
3. Press the MENU key to confirm your select.

Product the Music setting



1. Press the MENU key to bring up the OSD.
2. Using the + / - keys, select  OSD Settings from the OSD. Then navigate to the feature you wish to adjust.
3. Press the MENU key to confirm your select.
4. Use the + / - keys to select Signal source, Mute, Volum, DDC/CI.

Troubleshooting

Before sending your LCD monitor for servicing, please check the troubleshooting list below to see if you can self-diagnose the problem

Type-C model

Problem	LED status	Remedy
No picture visible	Blue	Using the OSD, adjust brightness and contrast to maximum or reset to their default settings.
	Off	Check the power switch. Check if the power cord is properly connected to the monitor.
	Red and blue flashing alternately	Check if the video signal cable is properly connected at the back of monitor. Check if the computer system is switched on and in power saving/standby mode.
Unstable picture		Check if the specification of graphics adapter and monitor is in compliance which may be causing the input signal frequency mismatch.
Abnormal picture	Image is missing, off-center, too large or too small on the screen.	Check the display setting on your system. In case of a missing image, please select another resolution or vertical refresh rate.
		Wait for a few seconds after adjusting the size of the image before changing or disconnecting the signal cable or switching off the monitor.

Note: Acer monitor is purposed for video and visual display of information obtained from electronic devices.