

Acer LCD Monitor

User's Guide

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Acer LCD Monitor User's Guide
Original Issue: 07/2024

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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.

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Acer LCD Monitor User's Guide

Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

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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



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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/>

Recycling Information for the United States of America

Acer encourages information technology (IT) equipment owners to responsibly recycle their equipment when it is no longer needed. Acer offers programs and services to assist equipment owners with this process. For more information on recycling IT equipment, please go to: <https://www.acer.com/ac/en/US/content/recycling>

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

Regulatory Compliance





EU Declaration of Conformity

We,

Acer Incorporated

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And,

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www.acer.it

Product:

Portable Monitor

Trade Name:

Acer

Model Number:

PM161QT

SKU Number:

PM161QT xxxxxxxxx;

(“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**

☒ EN 55032:2015+A11:2020 Class B	☒ EN 55035:2017+A11:2020
☒ EN IEC 61000-3-2:2019 Class D	☒ EN 61000-3-3:2013+A1:2019

☒ **LVD Directive: 2014/35/EU**

☒ EN 62368-1:2014+A11:2017
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☒ **RoHS Directive: 2011/65/EU**

☒ EN IEC 63000:2018

☒ **ErP Directive: 2009/125/EC**

☒ (EU) 2019/ 2021; EN 50564:2011
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Year to begin affixing CE marking 2024.

RU Jan / Sr. Manager

Acer Incorporated (New Taipei City)

Jul,15. 2024

Date



Acer America Corporation

1730 N First St Suite 400,

San Jose, CA 95112

Tel : (408) 533-7700

Fax : (408) 533-4555



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:

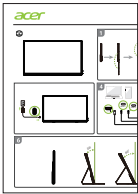
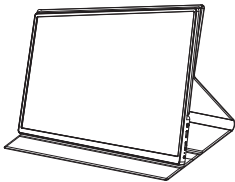
Product:	Portable Monitor
Model Number:	PM161QT
SKU Number:	PM161QT xxxxxxxxx; ("x" = 0~9, a ~ z, A ~ Z or Blank)
Name of Responsible Party:	Acer America Corporation
Address of Responsible Party:	1730 N First St Suite 400, San Jose, CA 95112 U. S. A.
Contact Person:	Acer Representative
Phone No.:	(408) 533-7700
Fax No.:	(408) 533-4555

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
Recycling Information for the United States of America	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
Adjustable portable monitor folding stand	2
Power saving	2
Connector pin assignment	3
Standard timing table	3
Type-C Installation	4
HDMI Installation	5
Warning Message	6
User controls	7
External controls	7
Adjusting the OSD settings	8
Adjusting the Brightness setting	8
Adjusting the Volume setting	8
Adjusting On-Screen Display	9
Troubleshooting	11
Type-C model	11

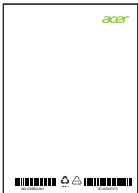
Unpacking

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
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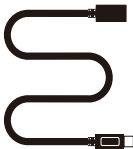
WARRANTY AGREEMENT	Safety book
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HDMI to MINI HDMI Cable	Type-C data cable
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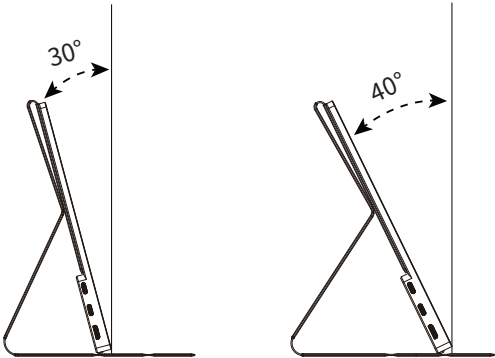


USB to Type-C (OTG) Cable



Adjustable portable monitor folding stand

- 1. Remove the portable monitor from its packaging and place it on a stable and level working area.
- 2. Open the folding bracket. The viewing Angle of the display can be adjusted using a foldable stand.
(As shown below)



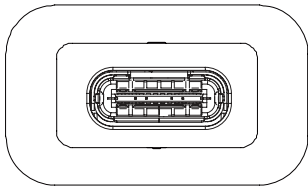
Power saving

The monitor will be switched to "power saving" mode by the control signal from the display controller, Red LED power light

Model	LED light
On	green
No signal	red
Power saving	red
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.

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	CC1	B5	CC2
A6	D1+	B6	D2+
A7	D1-	B7	D2-
A8	SBU1	B8	SBU2
A9	VBUS	B9	VBUS
A10	RX2-	B10	RX1-
A11	RX2+	B11	RX1+
A12	GND	B12	GND

Standard timing table

Mode		Resolution		
1	VGA	640×480	60	Hz
2	SVGA	800×600	60	Hz
3	XGA	1024×768	60	Hz
4	WXGA	1280×720	60	Hz
5	SXGA	1280×1024	60	Hz
6	WXGA	1366×768	60	Hz
7	WXGA+	1440×900	60	Hz
8	WXGA++	1600×900	60	Hz
9	WSXGA+	1680×1050	60	Hz
10	WSUGA	1920×1080	60	Hz

Type-C Installation

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

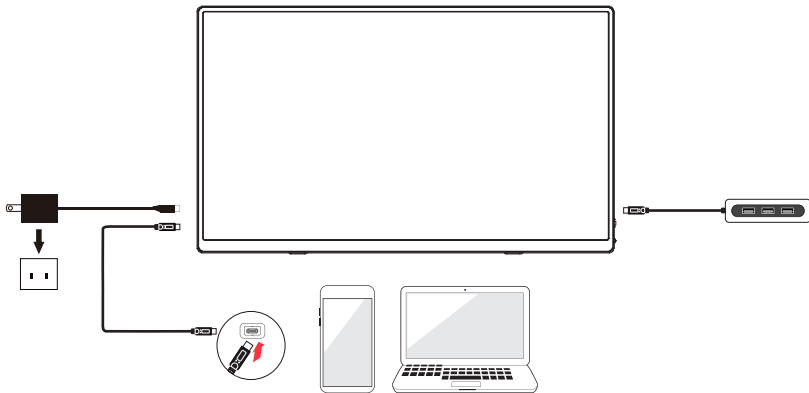
Steps

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 Type-C port when it is connected to the computer; it only requires a single signal transmission cable (the Thunderbolt3 (USB-C) cable).
3. Connect USB-C (OTG) peripherals on the right side
It can be connected to various USB peripherals (such as mice, keyboards, etc.) through a USB to Type-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 Type-C port when in use.



Note:

1. This monitor can operate normally under $5V \approx 3.0A$ / PD (5-20V) conditions.
2. When the monitor is connected to the phone, it can provide power to the phone (Type-C output: $5V \approx 1A$).
3. Power adapter is not included.

HDMI Installation

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

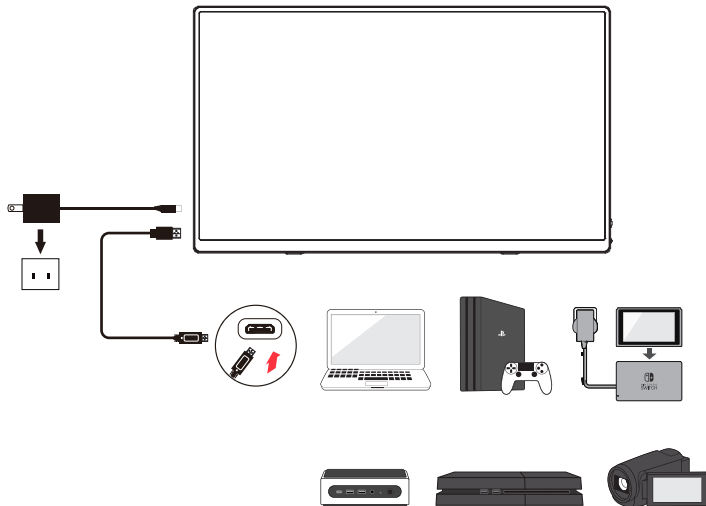
Steps

Connect the monitor to your computer

1. Connect the signal transmission cable HDMI cable to the mini HDMI jack of the monitor and the HDMI output jack of the computer display card.
2. When the monitor is connected to the computer through an HDMI signal cable, it needs to provide an external power($5V \approx 3.0A$ / PD (5-20V)) supply through its Type-c port; A signal transmission cable (Thunderbolt3(USB-C) cable) is required.

Connect to other devices via HDMI port

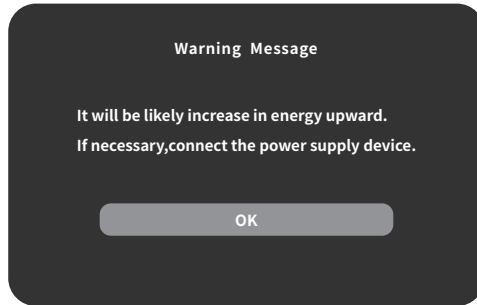
1. Connect the signal transmission cable HDMI cable to the mini HDMI jack of the monitor and the HDMI output jack of other devices.
2. When the monitor is connected to other devices through an HDMI signal cable, it needs to provide external power($5V \approx 3.0A$ / PD (5-20V)) through its Type-c port; A signal transmission cable (Thunderbolt3(USB-C) cable) is required.



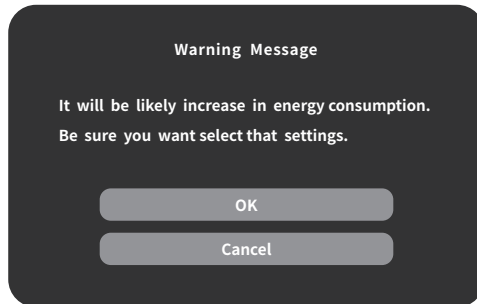
Note:

1. This monitor can operate normally under $5V \approx 3.0A$ / PD (5-20V) conditions.
2. Power adapter is not included.

Warning Message



To prevent the device from running at full power consumption without moving the display at a single point, which causes the display to restart frequently. Therefore, when the software is single-connected to the display and the single-connected device supplies power to the board <5V 3A, after adjusting the brightness or volume to 30, the box will pop up to prompt that the external power supply cannot be adjusted, and all the menu functions about the brightness will be gray.



1. When you adjust the brightness value > 80 or adjust the sound value > 50, the energy efficiency window will appear.
2. When HDR is enabled, the Energy efficiency window is displayed.
3. When the brightness value of scene mode is > 80, the energy efficiency window will be displayed.

Note:

After clicking "OK", the energy efficiency window will not pop up when adjusting the above options, but will pop up again after resetting.

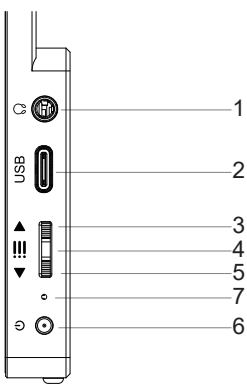
After clicking "Cancel", the energy efficiency window will continue to pop up when the above options are adjusted.

User controls

Power On/Off

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

Using the Shortcut Menu



External controls

1		Audio out	3.5mm Headphone hole: This connection is for audio out from the monitor to multimedia speakers or headphones.
2	USB	USB-C (OTG)	USB-C (OTG) connection to peripherals It can be connected to various USB peripherals (such as mice, keyboards, etc.) through a USB to Type-C cable.
3		Up	Up dial to turn on brightness adjustment. (Non touch adjustable)
4		Menu	Press this key to open OSD.
5		Down	Down dial to turn on volume adjustment. (Non touch adjustable)
6		Power On/Off	Press this key to turn on or off the monitor.
7		LED Indicator	There is signal input: green No signal: red Power saving: red Off: None

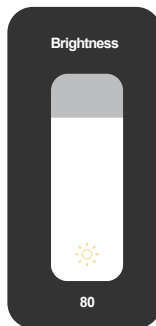
Adjusting the OSD settings



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

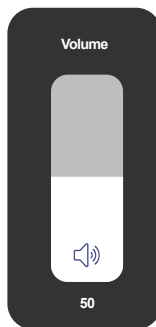
The OSD can be used for adjusting the settings of your LCD Monitor. Press the MENU key to open the OSD. You can use the OSD to adjust the picture quality, OSD setting and general settings. For advanced settings, please refer to following page:

Adjusting the Brightness setting



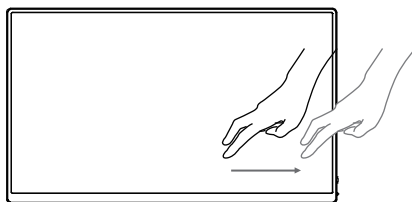
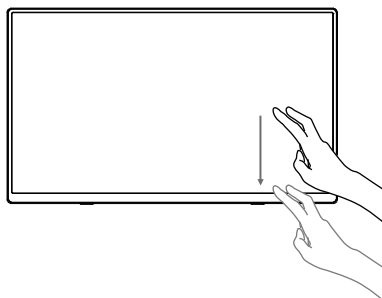
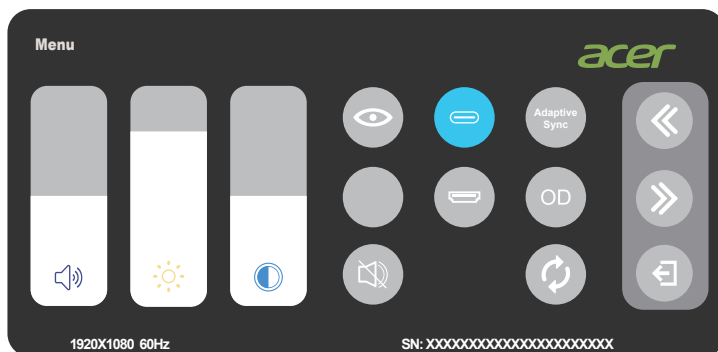
1. Rolling the wave wheel upwards can turn on brightness adjustment.
2. Rolling the wave wheel up and down can adjust the brightness.

Adjusting the Volume setting

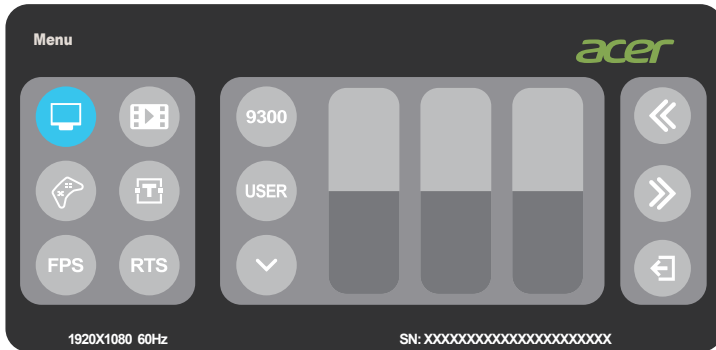
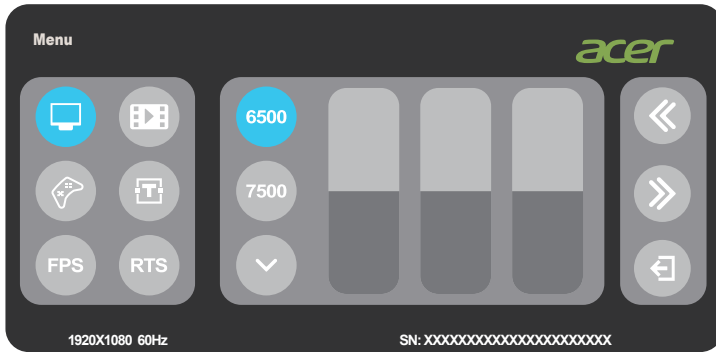


1. Rolling down the wave wheel can turn on the volume adjustment.
2. Rolling the wave wheel up and down can adjust the volume.

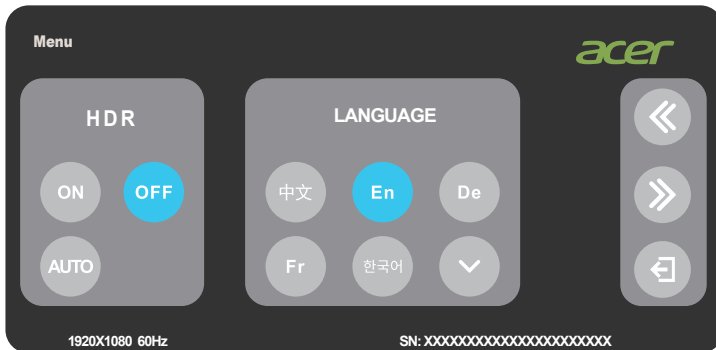
Adjusting On-Screen Display



1. (As shown in the picture above) Use two fingers to swipe down or right in the bottom right corner of the screen to open OSD settings, or press "☰" to open OSD settings.
2. Touch the corresponding icon to adjust the function you want, Touch the "◀ / ▶" icon to switch to other menu pages.
3. This menu page can adjust Volume, Brightness, Contrast, Low Blue Light, Signal Source, AdaptiveSync, Mute, Over Drive, and Reset.



This menu page can adjust ECO Mode and Color Temperature.



This menu page can adjust HDR function and Language.

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	green	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	Check if the video signal cable is properly connected at the back of monitor.
Unstable picture		Check if the computer system is switched on and in power saving/standby mode.
		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.