Acer LCD Monitor
User Guide

English

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Acer LCD Monitor User Guide
Original Issue: 10/2024

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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 Guide

Model number: _____
Serial number: _____
Date of purchase: _____
Place of purchase: _____

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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.

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 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.

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.

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 dmage 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.
- The adapter is only used for this monitor, do not be used for other purposes.
-  : Read these instructions – All the safety and operating instructions should be read before this product is operated and retain for reference Use only power supplies listed in the user instructions, see below:
  (1) Adapter model: PD0302UC-0301; Manufacturer: Shenzhen ABP Technology Co., Ltd.
  (2) Adapter model: YB-P030WCBC; Manufacturer: Yibo Electronic Technology (Dongguan) Co., Ltd.

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.
- This product's power cord is equipped with a three-wire grounded plug. The plug only fits in a grounded power outlet. Make sure the power outlet is properly grounded before inserting the power cord plug. Do not insert the plug into a non-grounded power outlet. Contact your electrician for details.



Warning! The grounding pin is a safety feature. Using a power outlet that is not properly grounded may result in electric shock and/or injury.



Note: The grounding pin also provides good protection from unexpected noise produced by other nearby electrical devices that may interfere with the performance of this product.

- Use the product only with the supplied power supply cord set. If you need to replace the power cord set, make sure that the new power cord meets the following requirements: detachable type, UL listed/CSA certified, type SPT-2, rated 7 A 125 V minimum, VDE approved or its equivalent, 4.6 meters (15 feet) maximum length.

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 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.

Disposal of waste equipment by user 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.

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

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.

This product has been shipped enabled for power management:

- Activate display's Sleep mode within 5 minutes of user inactivity.
- Wake the monitor when it is in Active Off mode,move the mouse or press any keyboard key.

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 istant 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.

English

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:	**PD163Q**
SKU Number:	**PD163Q 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**

☒ EN 55032:2015+AC: 2016 Class B	☒ EN 55035:2010
☒ EN 61000-3-2:2014 Class D	☒ EN 61000-3-3:2013

☒ **LVD Directive: 2014/35/EU**

☒ EN 62368-1: 2014+ A11: 2017

☒ **RoHS Directive: 2011/65/EU**

☒ EN IEC 63000:2018

☒ **ErP Directive: 2009/125/EC**

☒ (EU) 2019/ 2021; EN 50564:2011

Year to begin affixing CE marking 2024.

RU Jan / Sr. Manager
Regulation, Acer Inc.
(New Taipei City)

June,2024
Date

English

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:	LCD Monitor
Model Number:	PD163Q
SKU Number:	PMD63Q xxxxxx; ("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

English

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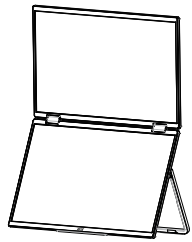
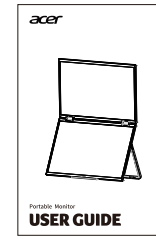
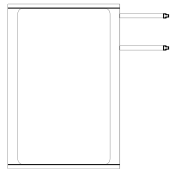
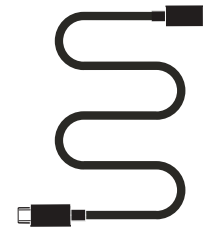
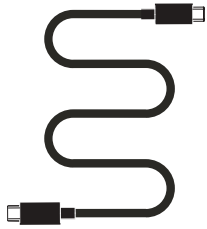
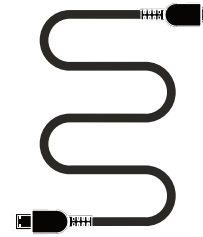
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English

Unpacking

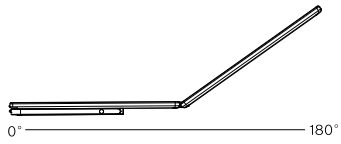
Please check that the following items are present when you unpack the box, and save the packing materials in case you need to ship or transport the monitor in the future.

Portable Display	Quick Start Guide
	
Adapter	**Type-C cable**
	
Type-C to Type-C power cable	**HDMI cable**
	

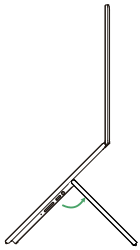
Operating Instructions

English

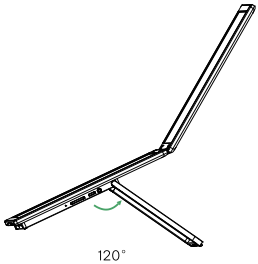
Stand extension angle



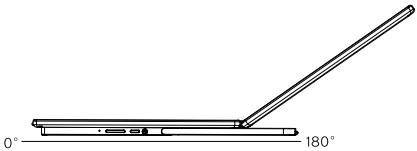
0°



90°

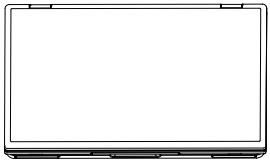


120°

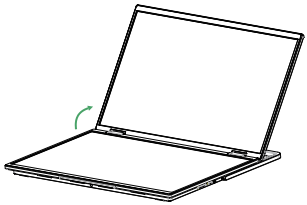


180°

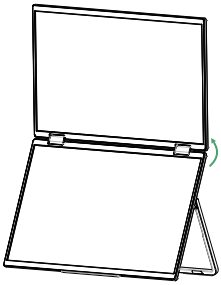
Screen extension angle



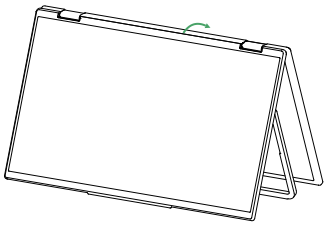
0°



100°



180°



315°

Power saving

By displaying the controller's control signal, the display will switch to "Power saving" mode with the red power LED indicating.

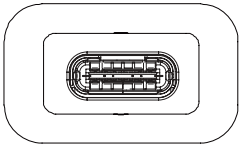
Model	LED indicator
On	Green
Power saving	Red

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. This monitor supports the DDC2B standard.

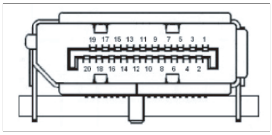
Connector pin assignment



Type C (24-pin 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

20-pin color display signal cable



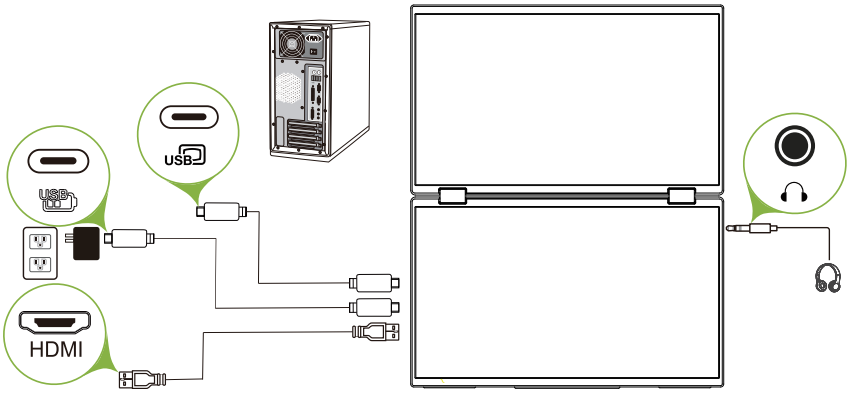
PIN No.	Description	PIN No.	Description
1	ML_Lane 0+	2	GND
3	ML_Lane 0-	4	ML_Lane 1+
5	GND	6	ML_Lane 1-
7	ML_Lane 2+	8	GND
9	ML_Lane 2-	10	ML_Lane 3+
11	GND	12	ML_Lane 3-
13	KONFIG1	14	CONFIG2
15	AUX CH+	16	GND
17	AUX CH-	18	Hot Plug Detect
19	Back	20	DP_PWR

Standard parameters

Mode		Resolution		
1	Type-C	1920X1080	60	Hz
2	HDMI	1920X1080	60	Hz

English

Connection and installation instructions

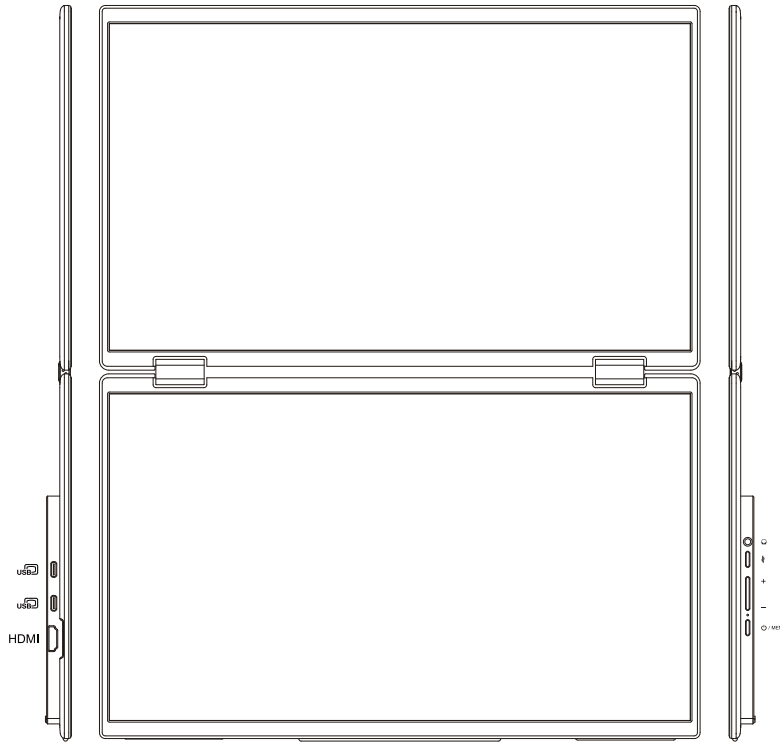


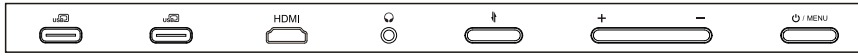
Precautions

1.Please use a 30W power adapter to ensure the normal use of the monitor.
2.The two Type-C interfaces can realize blind-mating. When both Type-C interfaces are fully functional, you can choose from two different interfaces, but they cannot be powered or transmit data at the same time. Generally, please use Type-C as a priority to power the device.
3.When connecting to an HDMI cable, please power the device first before connecting to the HDMI to guarantee successful transmission of the data.
4.When connecting to the Type-C interface with a single cable, the energy-saving function of the monitor will be activated and the brightness will be automatically turned down to 30% to guarantee normal display. Users may adjust the brightness as required. If there's any flash screen or blank screen after adjusting the brightness, please connect to the PD power supply.
5.When using Windows 10 system, if there's any abnormality in the display, please turn off the HDR in your system setting or turn on the HDR in your monitor setting.
6.To achieve the effect of extended screen through TYPE-C, the function of DisplayPort Alt Mode needs to be met.

English

Instructions for LCD interface operation





No.	Icon	Function	Description
1		TYPE-C full function	Dual interface, one cable for seamless switching. Both support audio, video signal transmission and touch signal transmission. Support reversible plugging. Compatible with PD 3.1 power supply protocol. Support 5V / 9V / 12V voltage input.
2		HDMI	For audio and video signaltransmission
3		Earphone	Earphone/loudspeakerextended interface
4		Display Mode Key	Short press " " to turn on or off the splicing mode. In the OSD function menu, return to the previous level or exit.
5	+ −	Pushbuttons	Short press the "+" key to adjust brightness. In the OSD function menu, it is used for upward adjustment. Short press the "-" key to adjust volume. In the OSD function menu, it is used for downward adjustment.
6	/ MENU	Power On/Off	Press and hold " / MENU " for 3 seconds to turn on/off the monitor. Short press " / MENU" to open the OSD function menu/confirm key.

＊Note:
1: The two interfaces cannot transmit data or charge at the same time.
2: High sound pressure. Do not listen at a high volume for a long time.
3:The following content is for reference only. The actual product specifications may be different.

English

macOS installation package:

Only macOS systems require manual driverinstallation.in Type-Csignal clone mode, open themonitor's OSD menu, navigate to "Other Settings" ,and enable "MAC Extension".A pop-up windownamed "USBDISPLAY" will appear on the computer side as a removable disk. Open the disk andclick on the driverinstallation package to install. Detailed steps are as follows:

macOS installer:

< > USBDISPLAY

LOST.DIR

USBDisplay_macOS_VX.X.X.XX.dmg

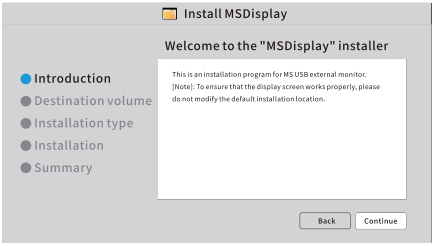
macOS operating system

1. Click on the “UsbDisplay_macOS_VX.X.X.XX.dmg” installer (as shown above).
2. Click “Continue” (as shown in Step 2).
3. Click “Continue” (as shown in Step Three).
4. Enter your computer password and click “Install Software”, or click “Install Software” if you don't have a password (as shown in Step 4).
5. Wait for the installation to complete and then “Restart” (Step 5).

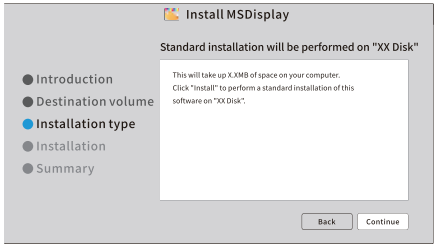
Note:This is the first installation procedure, if you have already installed the UsXXX or MXXXx driver, please uninstall the original driver before reinstalling the new version.



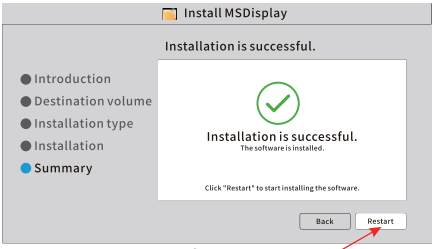
Step 1



Step 2



Step 3



Step 5



Step 4

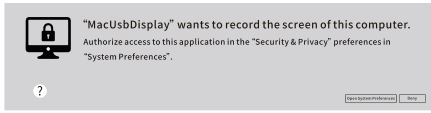
English

Note: For mscOS10.15 and later operating systems, only the mouse can be displayed at this step. You need to configure screen recording permissions to display normally. Please refer to the following.

Setting screen recording permissions on macOS system

1. When the driver is successfully installed and the computer is restarted, a pop-up box will appear (as shown in Step 6), click to open System Preferences. (If there is no pop-up box, you need to open the Apple menu - System Preferences on your Mac computer.)
2. Select Security and Privacy (as shown in Step 7).
3. Select the Privacy tab and follow the instructions to enter your computer's password and allow it to be changed (see Step 2).
4. Click to check the MacUsbDisplay box (see Step 9).
5. Click Lock again to save the changes.
6. Click Exit Now.

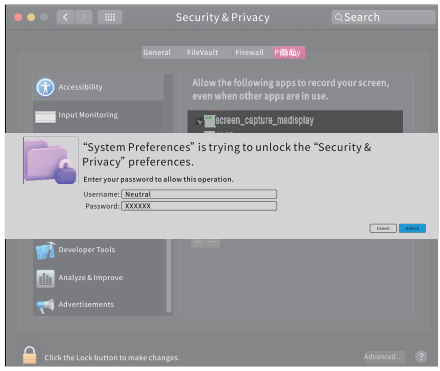
If the display does not work properly, restart the computer.



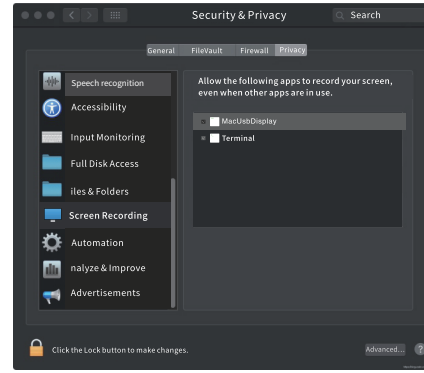
Step 6



Step 7



Step 8



Step 9

When the upper screen interface displays in the wrong direction

1. When the upper screen interface is automatically rotated to 180° (as shown in Figure 1 below), you can cover the upper screen and then unfold it (as shown in Figure 2 below).



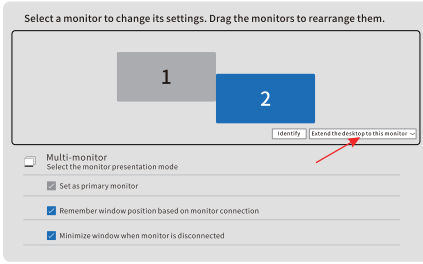
Figure 1

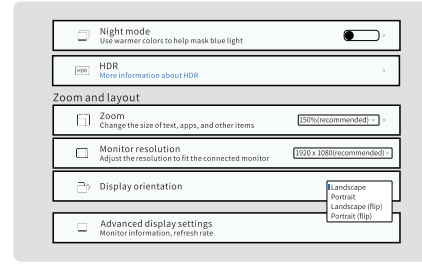


Figure 2

When the lower screen interface displays in the wrong direction:

1. Select the lower screen in the computer settings function, and the display direction can be: Landscape, etc.
2. On the computer, click System-Settings-Screen- select Extended Mode-Display Direction, and the display direction can be: Landscape, Portrait.





1. When the device is macOS and the user uses extended mode, the lower screen of the display does not support Night Shift mode.
   As shown in the following figure (the old version does not support Night Shift mode).

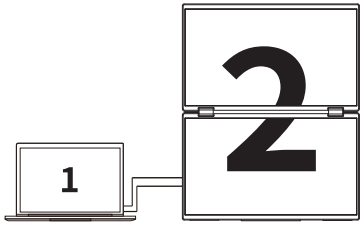


English

Display mode

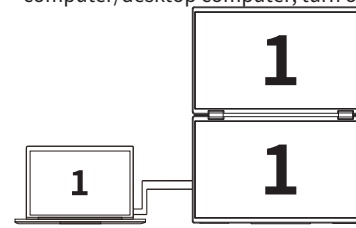
Integration mode

(For the monitor, turn on collage. For the computer/desktop computer, turn on expansion.)



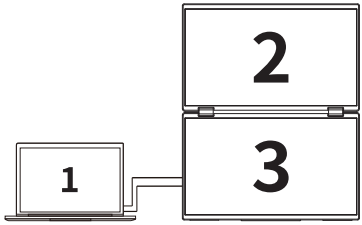
Clone mode

(Turn off collage for the monitor. For the computer/desktop computer, turn on copy.)



Expansion mode

(Turn off collage for the monitor. For the computer/desktop computer, turn on expansion.)



Note: The HDMI connection does not support the above expansion mode (three screens displaying different pictures).

For macOS connection, please open the MAC expansion in the other settings of the monitor's OSD menu and install the driver as prompted.

Adjust OSD settings

Note: The following content is for reference only. The actual specifications are subject to the actual purchase by the user.

OSD can be used to adjust the settings of portable monitors. Press the dial key to open OSD. You can use OSD to adjust the picture quality, OSD settings and general settings.

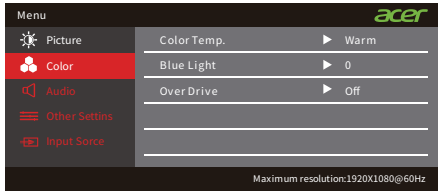


OSD menu:
-Power on/off: Press the power button to open the OSD menu, and use the Up and Down buttons to switch functions;
Press once to enter the next level menu, and use the Up and Down buttons to adjust parameters;

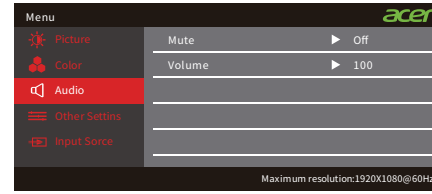
-Display Mode Button: Short press “ ” to turn on or off the stitching mode; short press “ ” to return to the previous OSD menu or exit the OSD menu when in the OSD menu.



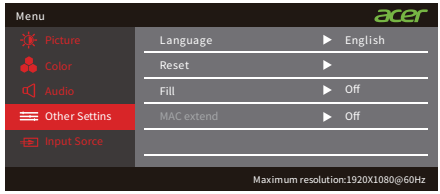
Screen settings:
-Brightness: Adjust the brightness level of the screen in the range of 0~100;
-Contrast: Adjust the contrast level of the screen in the range of 0~100;
-Mode: Switch the display mode;



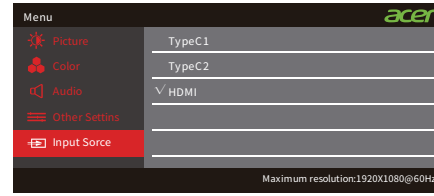
Color settings:
-Color temperature: Adjust the color temperature mode of the screen;
-Blue light: Adjust the low blue light mode of the screen in the range of 0~100;
-Display response speed: Turn on or off the display response speed mode;



Audio settings:
-Mute: Turn on or off the sound;
-Volume: Adjust the sound volume in the range of 0~100;



Other settings:
-Language: Adjust the display language of the menu interface;
-Reset: Restore factory settings;
-Fill: Turns splice mode on or off;
MAC Extension: Turns MAC extension on or off;



Signal source settings:
-TYPE C1: Select TYPE C input signal source;
-TYPE C2: Select TYPE C input signal source;
-HDMI: Select HDMI input signal source.

Troubleshooting

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

HDMI model

Problem	LED status	Solution
No picture	Green	Use the OSD to adjust the brightness and contrast to maximum or to restore them to default settings.
	Off	Check the power switch. Check whether the power cable is properly connected to the monitor.
	Red	Check whether the video signal cable is properly connected to the connector on the back of the monitor. Check if the computer system is powered on but in ECO /standby mode.
Unstable picture		Check whether the graphics adapter and monitor specifications are compatible, otherwise there may be a mismatch in the input signal frequency.
Abnormal picture	The image on the screen is partially displayed, off-center, too large or too small.	Check the display settings of the system. If the image is partially displayed, select a different resolution or vertical refresh rate. Wait for seconds after adjusting the image size before replacing or disconnecting the signal cable or turning off the monitor.

Note: ACER monitors are designed to display video and image information from electronic devices.

Regulatory Compliance

