

Acer Portable Monitor

User Guide

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Acer LCD Monitor User Guide
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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 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.
- 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: YHY-12002500; YHY-12002500N; YHY-12002500U; YHY-12002500J; YHY-12002500A

Made By: Shenzhen Yinghuiyuan Electronics Co., Ltd.

(2) Adapter Model: KA3601A-1202500EU; KA3601A-1202500BS; KA3601A-1202500JP; KA3601A-1202500AU; KA3601A-1202500US; KA3601A-1202500CN

Made By: Shenzhen Keyu Power Supply Technology Co., Ltd.

(3) Adapter Model: YD-BE1200250US-6A; YD-BE1200250EU-6A; YD-BE1200250GB-6A; YD-BE1200250CN-5A; YD-BE1200250JP-6A; YD-BE1200250AU-6A

Made By: Dongguan Yidai Power Technology Co., Ltd.

(4) Adapter Model: HCX3601-1202500E; HCX3601-1202500U; HCX3601-1202500B; HCX3601-1202500C; HCX3601-1202500T

Made By: GUANGDONG HUACHUANGXING POWER SUPPLY 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.



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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.

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:

<https://www.acer-group.com/sustainability/en/our-products-environment.html>

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 <https://www.acer-group.com/sustainability/en/our-products-environment.html>

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

- It is recommended to rest your eyes for 10 minutes every 40 minutes.
- 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.



Declaration of Conformity

We,
Acer Incorporated
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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+AC: 2016 Class B	<input checked="" type="checkbox"/> EN 55035:2010
<input checked="" type="checkbox"/> EN 61000-3-2:2014 Class D	<input checked="" type="checkbox"/> EN 61000-3-3:2013
- 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
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Year to begin affixing CE marking 2023.

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

August,2023

Date



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San Jose, CA 95110, U. S. A.
Tel : 254-298-4000
Fax : 254-298-4147
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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 Bxxxxxx; ("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

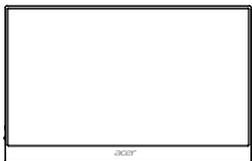
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Unpacking

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.

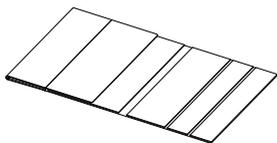
Portable display



Quick start guide



Leather sheath



Type-C cable

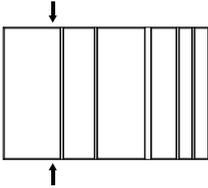


Mini HDMI cable

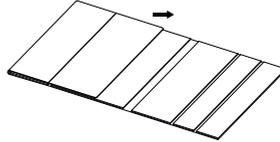


Instructions for the leather sheath

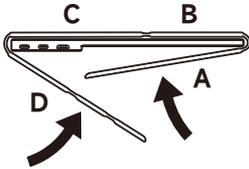
- ① Spread out the leather sheath completely, with one side of lug boss facing up.



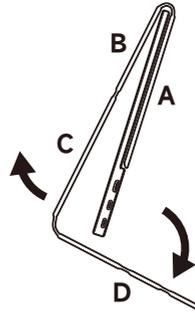
- ② Fold the leather sheath towards the arrow according to the fold indicated by the arrow in Figure



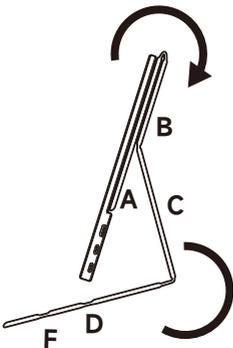
- ③ The magnet is used to absorb A and wind B, C and D on the back of the liquid crystal in turn



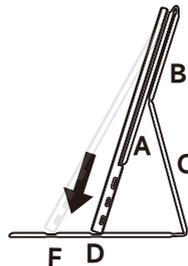
- ④ The lid stays in place and then folds back to become a holder. Open B, C, and D from the point of view of the carrying state, and keep A.



- ⑤ B is adsorbed on A, and C and D are folded back down



- ⑥ Install the monitor in slot D/F, as required The Angle of one of the slots.



Power saving

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

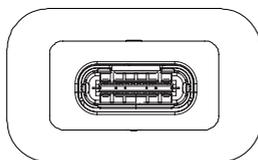
Model	LED light
On	green
Power saving	red

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. The monitor supports the DDC2B standard.

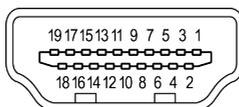
Connector pin assignment



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

19-pin color display signal cable



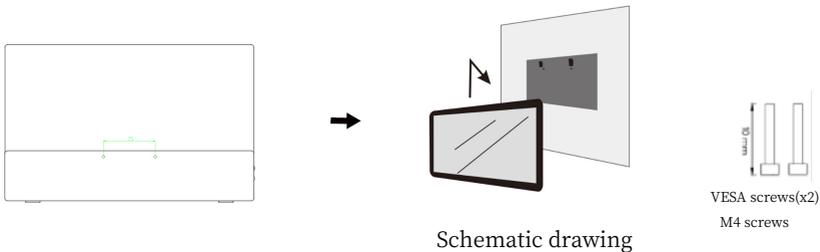
PIN No.	Description	PIN No.	Description
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

Standard timing table

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

Wall Mounting

Preparing to install an optional wall mount arm.



The installation height of Monitor bracket should not be higher than 2M.

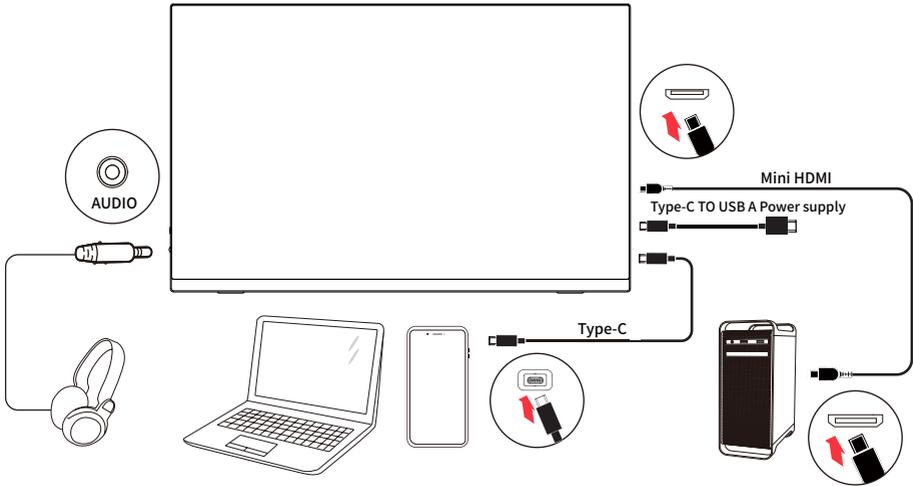
Follow the manufacturer's instructions to assemble the wall mounting arm. Place the wall mounting arm onto the back of the monitor. Line up the holes of the arm with the holes in the back of the monitor.

Insert the 2 screws into the holes and tighten.

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.

Note: VESA mounting screw holes are not available for all models, please check with the dealer.

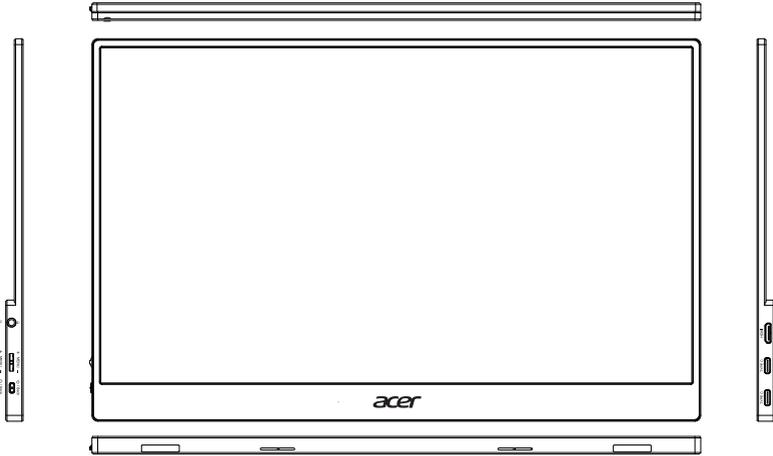
Connection and installation instructions



Precautions

1. Please use a more than 15W power supply to ensure the normal use of the display.
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 display will be activated and the brightness will be 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 up the HDR in your display setting.

Instructions for LCD interface operation



TYPE C	TYPE-C Full function	HDMI	Mini HDMI	⏻ / Back	Power/Return
+ MENU-	Dial key		Earphone		

NO.	icon	Feature	Description
1		TYPE-C Full function	An interface for both audio and video signal transmission and touch signal transmission, compatible with forward or backward inserting, PD 2.0 power supply protocol, and 5V/9V/12V power supply <small>注意：两个接口不能同时数据传输或者同时充电。</small>
2		Mini HDMI	For audio and video signal transmission
3		Power/Return	Hold Power/Return for 3s to turn on/o the display Push Power/Return to return
4		Dial key	Press and hold the dial wheel to open the OSD menu. In the menu, press up and down to adjust the movement The wave wheel button moves up and down to control brightness and volume
5		Earphone	Earphone/loudspeaker extended interface

Notes: high volume/do not listen too long under high volume

OSD setting adjustments



Notes: the following contents are for your reference only. The actual product specifications are subject to the purchase of the user.

OSD can be used to adjust the setting of the portable LCD. Push the thumbwheel to open OSD. You can use OSD to adjust the video quality, OSD setting and general setting.



OSD menu:

Thumbwheel button:

Push the thumbwheel to open OSD menu and turn up or down to switch between functions;

Push to enter the next menu and turn up or down to adjust parameters;

Power:

Push the power button to switch between signal channels;

The power button can also return to the previous menu;
Push to return to the previous menu;

Picture setting:

Brightness:

adjust the brightness of the display, with scope of 0~100;

Contrast:

adjust the contrast of the display, with scope of 0~100;

Mode:

switch the display mode of the screen;

DCR dynamic contrast:

switch on or off the dynamic contrast;

SuperSharpnes :

Adjust the sharpness level of the screen, the adjustment range is 0 ~ 4;



Color setting:

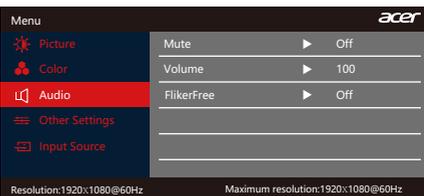
ColorTemp.:
adjust the color temperature mode of the display;

Hue:
adjust the hue of the display, with scope of 0~100;

Saturation:
adjust the Saturation of the display, with scope of 0~100;

BlueLight:
adjust the BlueLight of the display, with scope of 0~100;

OverDrive:
turn on or off the volume;



Audio setting:

Mute:
turn on or off the volume;

Volume:
adjust the volume, with scope of 0~100;

FlickerFree:
turn on or off the volume;



Other settings:

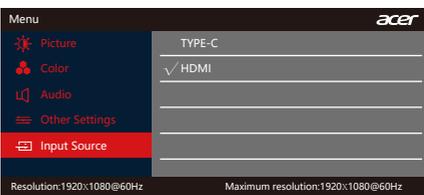
Aspect:
adjust the scale of the display;

FreeSync:
Enable or disable the Free Sync mode.;

Language:
select the language of the menu;

HDR:
switch on or off the HDR;

Reset:
factory reset;



Input Source setting:

TYPE-C:
select TYPE C input source

HDMI:
select HDMI input source

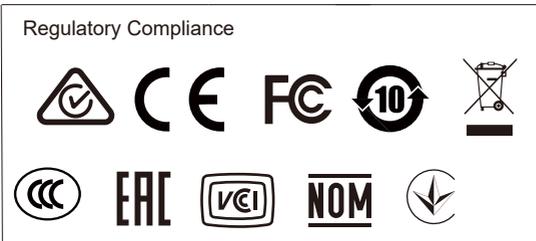
Troubleshooting

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	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.
		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.





PM161Q

Product Information for EU Energy