



MQ149CD

**ASUS ZenScreen™ DUO
OLED**

User Guide

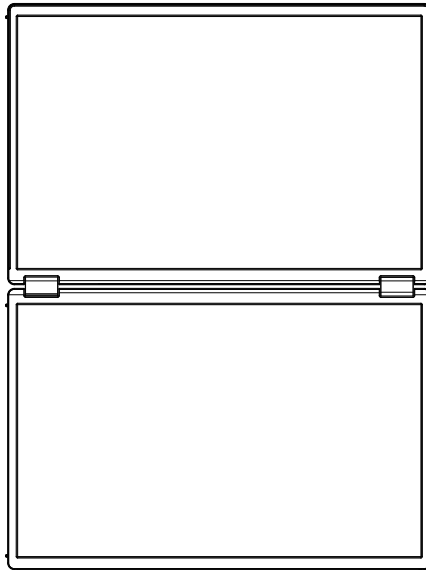


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Statement

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference for installation in residential areas. This device generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur under specific installation conditions. If this device causes harmful interference to radio or TV reception (which can be determined by powering off and on the device), users are advised to take one or more of the following measures to eliminate the interference:

- Reorient or relocate the receiving antenna.
- Increase the distance between the device and the receiver.
- Connect this device and the receiving device to power sockets of different circuits.
- Consult an agent or an experienced radio/TV technician for help.

Declaration of Canadian Ministry of Communications

This digital device does not exceed the Class B limit of radio noise emission of digital device specified in the Radio Interference Regulations of the Canadian Ministry of Communications.

This class B digital apparatus complies with Canadian ICES-003.

Once the device falls, it may cause serious personal injury or even death. To avoid injury, this device must be firmly installed on the floor/wall according to the installation instructions.



NOTE: This monitor has obtained ENERGY STAR certification.

This product conforms to the ENERGY STAR specification under the factory default setting, which can be restored by "Restore Factory Default" in the OSD menu. Changing the factory default settings or enabling other functions may increase power consumption, thereby exceeding the limits specified by ENERGY STAR.



Statement of Compliance

This device meets the requirements stipulated in the Council Directive on coordinating and unifying the laws of member countries in terms of electromagnetic compatibility (2014/30/EU), low voltage directive (2014/35/EU), ErP directive (2009/125/EC) and RoHS directive (2011/65/EU). This product has been tested and proved to comply with the coordination standards related to information technology devices, which are issued in accordance with the directives of the official gazette of the European Union.

WEEE Symbol declaration

This symbol on the product or its packaging means that the product shall not be discarded along with other household garbage. It is your responsibility to send your discarded device to a special recycling site for the recycling of discarded electrical and electronic devices. Recycling your discarded device separately will help to save natural resources and ensure that it is recycled in a way that protects personal health and environmental protection. For more information about the recycling agencies for discarded devices, please contact local municipal agencies, domestic waste disposal agencies, or sales stores of this product.



EEE yönetmeliğine uygundur

Safety information

- Before setting up this portable USB monitor, please read all the documents attached in the product packaging carefully.
- To prevent fire or shock hazard, never expose this Portable USB Monitor to rain or moisture.
- Do not open the enclosure of this portable USB monitor.
- Before using this portable USB monitor, make sure that all cables are connected correctly and the power cord is not damaged. If there is any damage, please contact the dealer immediately.
- Avoid dust, humidity and extreme temperatures. Do not place this portable USB monitor in any area that may be subject to dampness. Please place this portable USB monitor on a stable surface.
- Do not insert any foreign objects or splash any liquid into the opening on the enclosure of this portable USB monitor.
- If you encounter any technical problems in using this portable USB monitor, please contact professional technical service personnel or the dealer.
- According to IEC 62368-1, this portable USB monitor is powered by a USB port that conforms to LPS and SELV circuits.

WARNING

Use of other handsets or headphone may cause hearing loss due to excessive sound pressure.

Please confirm that the power distribution system should provide a circuit breaker with a rated value of 100/240v and 20a (maximum) when this product is installed in buildings.

If the power cord is provided with a 3-pin plug, please plug the power cord into a grounded 3-hole socket. Do not disable the grounding tab of the power cord, for example, connect the 2-tab adapter. Grounding tab is an important safety measure.

Stability hazard.

Once this product falls, it may cause serious personal injury or even death. To avoid injury, this product must be firmly installed on the floor/wall according to the installation instructions.

Once this product falls, it may cause serious personal injury or even death. In order to avoid many injuries (especially to children), some simple preventive measures can be taken, such as:

Be sure to use cabinets or shelves or installation methods recommended by the product manufacturer.

Be sure to use furniture that can safely support this product.

Be sure to explain to children the dangers of climbing furniture to reach this product or for its control.

Be sure to lay the cables connected to this product properly to prevent them from tripping people, being pulled or squeezed.

Do not allow this product on the edge of its supporting furniture.
 Do not put this product in an unstable place.
 Do not place this product on tall furniture (for example, cabinet or bookcase) unless the furniture and product are fixed on a suitable bracket.
 Do not put cloth or other items between this product and its supporting furniture, and do not put items that may attract children to climb such as any toys and remote controls on the top of this product or on the supporting furniture.
 If the existing product needs to be kept and relocated, the above precautions are also applicable.
 If the sound pressure of Headphone is too high, it will lead to hearing loss. Adjusting the equalizer to the maximum value will increase the output voltage of the Headphone, thus increasing the sound pressure.
 Statement on Restriction of Hazardous Substances (India) This product complies with the requirements of "Electronic Waste (Management) Regulations of India, 2016", and the contents of lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in homogeneous materials should not exceed 0.1%, and the content of cadmium should not exceed 0.01%, except for the exemptions listed in Schedule 2 of these regulations.

■ ASUS CONTACT INFORMATION					
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		Online Support http://support.asus.com/		Online Support http://support.asus.com/	

Warning

- For Class I devices, power plugs with protective grounding and well-grounded power grid connection shall be used. When installing in a building, please confirm that the power distribution system can meet the rated voltage of the device.
- In order to prevent fire or explosion, do not expose the monitor to rain or wet environment. There is dangerous high voltage in the monitor. Don't open the monitor enclosure. If maintenance is required, please find professional maintenance personnel for operation.
- Any change or adjustment that is not carried out in accordance with the user's manual may lead to electric shock, electrical or mechanical danger.

- Do not place the monitor on an unstable cart, platform, tripod, stand or table. If the monitor falls, it may cause personal injury and serious damage to the product. Use only the installation accessories recommended by the manufacturer and install the product according to the manufacturer's instructions.
- There may be many long and narrow openings in the upper and lower parts of the back enclosure for ventilation. In order to ensure the continuous operation of the monitor without overheating, these openings for heat dissipation shall not be blocked or covered. The monitor shall not be placed on a bed, sofa, blanket or similar surface, or near a radiator or a heat source. It shall not be placed in a bookcase or box unless ventilation is guaranteed.
- Do not insert any foreign objects into the opening of the back enclosure of the monitor. Otherwise, it may damage the circuit components and cause fire or electric shock. Do not splash liquid on the monitor.

Maintenance and cleaning

- Cleaning. Turn off the monitor and unplug the power cord. Clean the monitor surface with a linen-free and non-abrasive cloth. Dip the cloth in neutral detergent and wipe off stubborn stains.
- Do not use detergents containing alcohol or acetone. Use a special detergent for OLED. Do not spray the detergent directly on the screen, otherwise the detergent may seep into the monitor and cause electric shock.

The following phenomena are normal for the monitor:

- You may find that the brightness on the screen is slightly uneven, which is related to the desktop pattern you use.
- After the same image is displayed for several hours, the image displayed on the previous screen may remain when switching to another image. The screen will recover slowly, or you can Power Off the power switch for several hours.
- When the screen turns blank or flashes, or fails to work, please contact the dealer or service center for repair. Don't repair the screen yourself!
- After repeated use, there will be problems such as creases or bulges in the middle of the screen, which is normal.

Conventions used in this guide



WARNING: This information is intended to prevent you from getting hurt when you are trying to complete a task.



CAUTION: This information is intended to prevent components from being damaged when you are trying to complete a task.



IMPORTANT: You must follow this information when completing a task.



NOTE: These tips and additional information are designed to help you complete a task.

More information

For more information or product and software updates, please use the following resources.

1. ASUS websites

The ASUS global website provides updated information about ASUS hardware and software products, and the address is <http://www.asus.com>.

2. Optional documents

Your dealer may have added optional documents to your product packaging. These documents are not part of the standard product packaging.

Recycling Service

ASUS recycling and recovery plan stems from our commitment to the highest standards of environmental protection. We advocate providing customers with solutions through which the products, batteries and other components and packaging materials can be reliably recycled.

Please visit <http://csr.asus.com/english/Takeback.htm>, to learn more about recycling in different regions.

1.1 Thank you for using!

Thank you for purchasing ASUS ® Portable USB Monitor!

The latest ASUS Portable USB Monitor can provide portability and convenience for your daily life, and improve your viewing experience and way.

1.2 List of Items

Check whether the following items are included in the packaging:

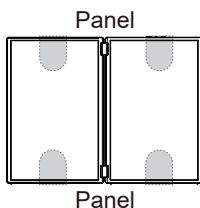
- ✓ ZenScreen Duo OLED Monitor
- ✓ Quick Start Guide
- ✓ Warranty Card
- ✓ Type-C Cable *2
- ✓ Mini HDMI to HDMI Cable
- ✓ MTS02D tripod socket kit
- ✓ ZenScreen Bag
- ✓ Power Adapter
- ✓ Microfiber cloth
- ✓ Warning card



-
- If any of the above items are damaged or missing, please contact the dealer immediately.
-

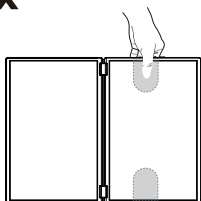
1.3 Warning

1. Do not apply pressure on the screen, otherwise it will damage its panel display.

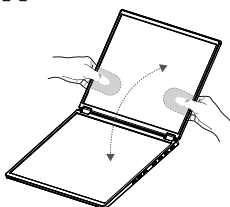


2. Please avoid folding MQ149CD in the following way.

X

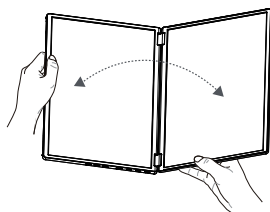


X

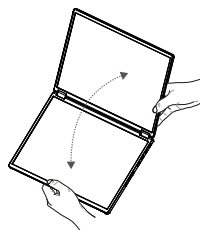


Please use MQ149CD as follows.

O

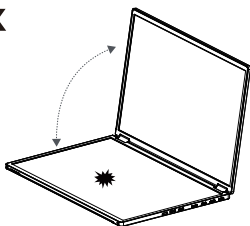


O

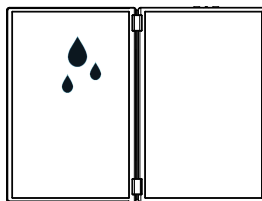


3. Please avoid leaving items on MQ149CD. In addition, please avoid wiping the screen with water or alcohol.

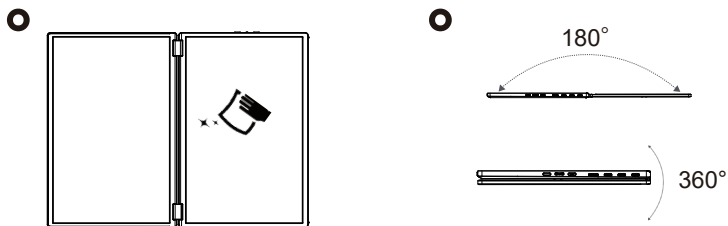
X



X

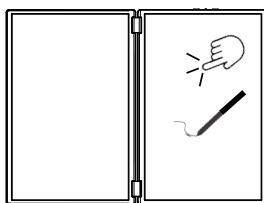


We've provided you with special cleaning cloth.
MQ149CD can be folded 360°.



4. Note: MQ149CD is not a touch screen and does not support writing. Do not touch the screen, and do not use a stylus or any sharp objects to leave marks on MQ149CD.

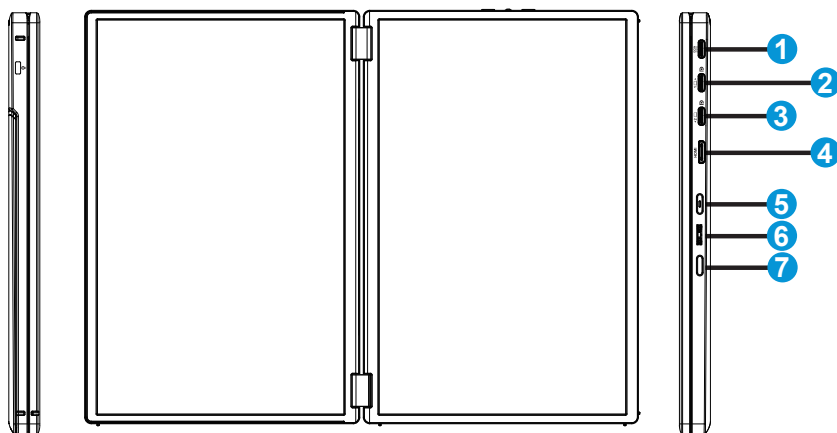
X



- Due to the unique material and characteristics of OLED fold monitor, crease is normal in the folding area. It will not affect the quality or performance of the monitor.

1.4 Monitor introduction

1.4.1 Front view



1. Power port
2. USB Type-C 1 port
3. USB Type-C 2 port
4. Mini HDMI port
5. Power button/Power LED
 - Press this button to turn the monitor on/off.
 - The following table describes the color indications of power indicators.

Status	Description
White	Start
Orange	Standby mode
Dark	Close

6. Multifunction button
 - Press this button to enable OSD menu.

After starting the menu:

 1. Push up to call out the brightness.
 2. Press this button to enter the main menu.
 3. Push down to call out the profiles.

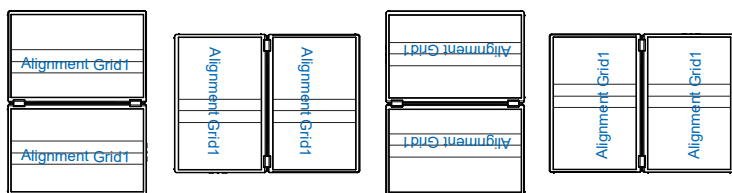
Main menu:

 1. Push up to move up.
 2. Press this button to confirm.
 3. Push down to move down.
7. Start, close and return buttons
 - Press this button to start the OSD menu.
 - Press this button after starting the menu to exit the OSD menu.
 - Press this button in the main menu to return to the previous level.

1.4.2 QuickFit Function

The QuickFit function contains two patterns: (1) Grid (2) Photo size.

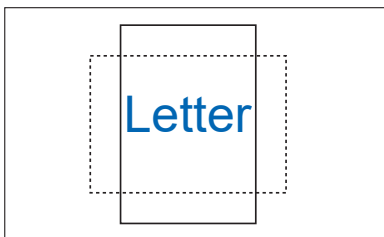
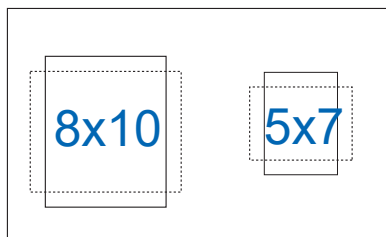
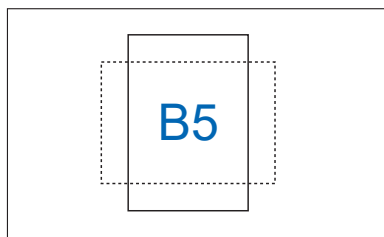
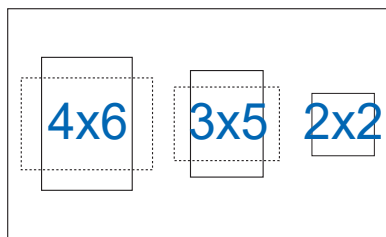
1. Grid pattern: It can help designers and users organize the content and layout of the page to achieve a coherent appearance.
If auto rotation is enabled, the alignment grid 1 will rotate automatically.



- Auto-rotation function can be used in Windows system or monitor with DisplayWidget Center software installed.

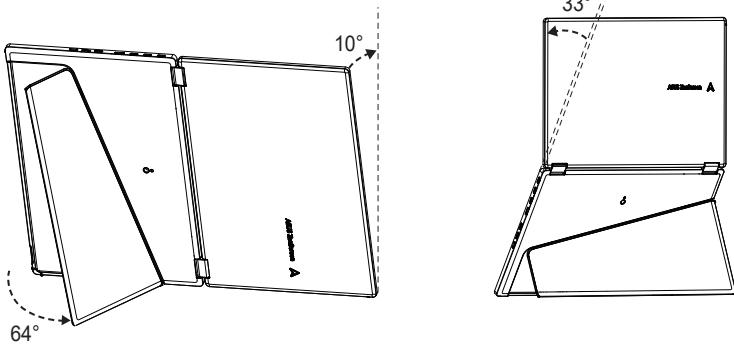


2. Photo size: It allows photographers and other users to view and edit photos at actual size on the screen.



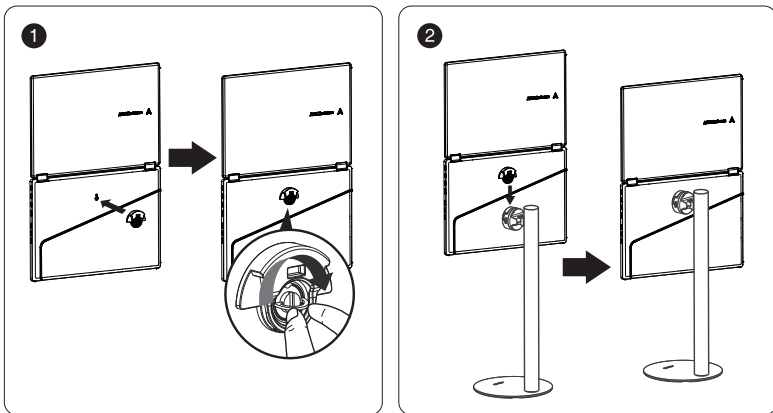
2.1 Upright Position of Monitor

In the case of being supported by a stand, this monitor has multiple upright positions.



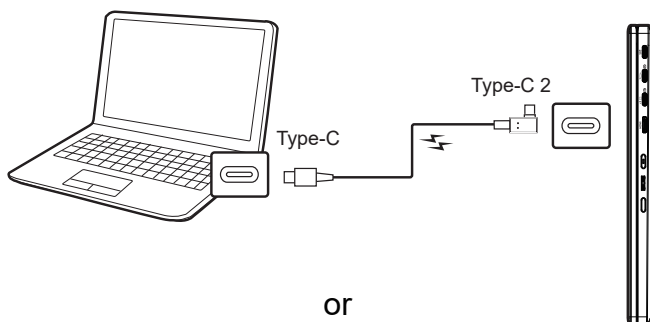
Compatible tripod stand: ASUS ZenScreen Stand MTS02D

*MTS02D is not provided.

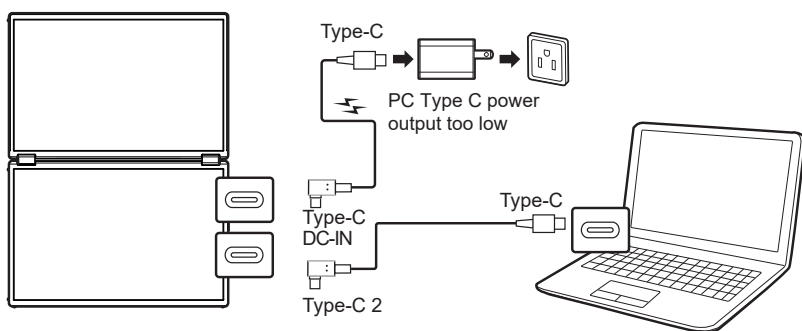


2.2 Connect the USB monitor with system

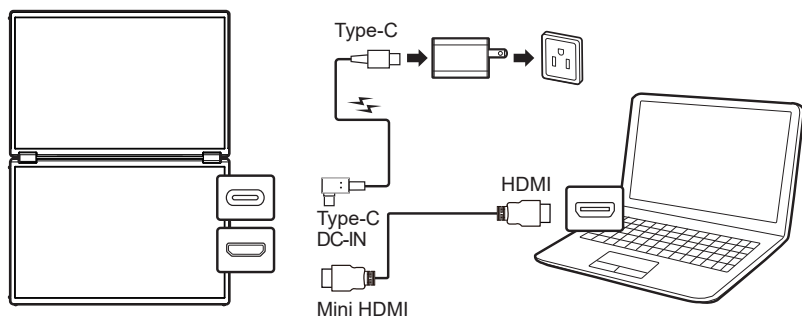
A



B



C





-
- When the monitor adapter is not plugged in, the USB Monitor works by using the power from the PC/laptop. If the USB Monitor detects low power output of the PC/laptop, its "brightness" will be fixed at 20 or 30 at the highest, depending on the detected input power. In this way, the monitor can be prevented from being turned off immediately due to low power. For higher brightness, please plug in the monitor adapter, and the system will re-enable brightness adjustment to restore it to the maximum value.

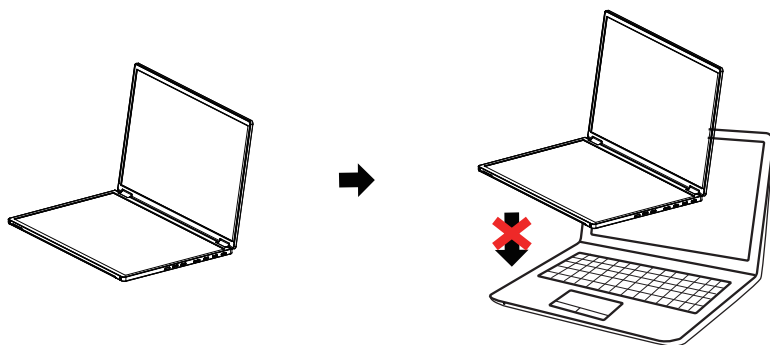


-
- If the monitor adapter is unplugged, it may cause restart of the monitor (due to the limited power capacity of the laptop).
-

2.3 Declaration

This product contains magnetic materials, which cause a potential risk of damage to laptop hard drives and items sensitive to magnetic materials.

Do not put this product on the laptop while the laptop is in use (in running or standby mode). Otherwise, the hard drive data may be permanently lost or the laptop display may be turned off due to the automatic protection mechanism of the laptop. When this product is put into the laptop bag together with the laptop, be sure to turn off the power of the laptop to avoid possible hard disk damage.

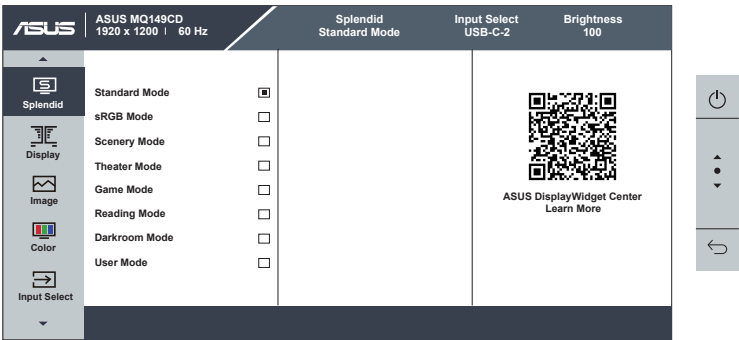


Precautions:

- (1) Please take a break for 10 minutes after using the product for 30 minutes;
- (2) Children under 2 years old shall not watch the screen, and children over 2 years old shall not watch the screen for more than 1 hour every day.

3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure

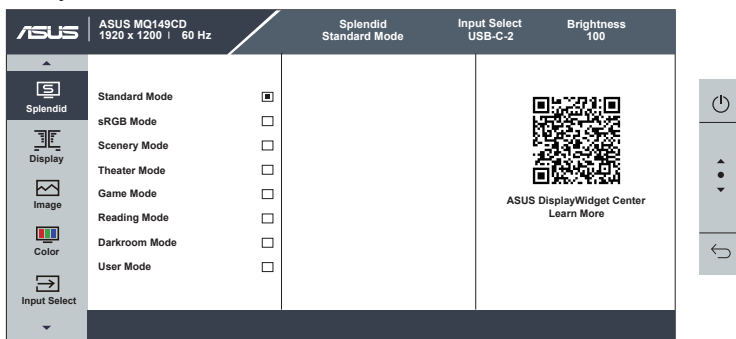


1. Press the middle key to display the function selection, and press the middle key menu button again to display the OSD menu.
2. Press Middle up/down to switch the options in the menu. As you move from one icon to another, the option name is highlighted.
3. To select the highlighted item in the menu, press Middle button.
4. Press the Middle button up/down to select the required parameters.
5. Press the button to return to the previous menu.

3.1.2 Introduction to OSD Functions

1. Splendid

This function contains 8 sub-functions, which you can choose according to your needs.



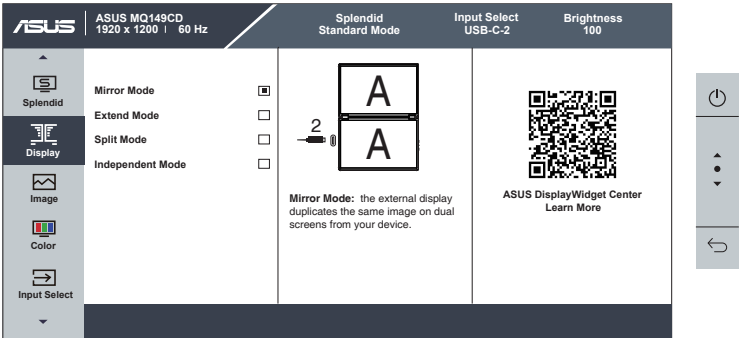
- **Standard Mode:** This is the best option when editing documents with SPLENDID™ Video Intelligence Technology.
- **sRGB Mode:** This is the best option when browsing photos and graphics in PC.
- **Scenery Mode:** This is the best option when using SPLENDID™ Video Intelligence Technology to display landscape photos.
- **Theater Mode:** This is the best option when watching movies with SPLENDID™ Video Intelligence Technology.
- **Game Mode:** This is the best option when playing games with SPLENDID™ Video Intelligence Technology.
- **Reading Mode :** This is the best option when reading.
- **Darkroom Mode :** This is the best option in environment with weak background light.
- **User mode :** Allow you to make color adjustments in the Advanced Setting.

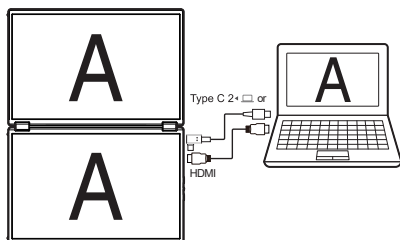


- In sRGB mode, users cannot configure color, brightness, and contrast functions.
- In reading mode, users cannot configure functions such as saturation, contrast, and color temperature.

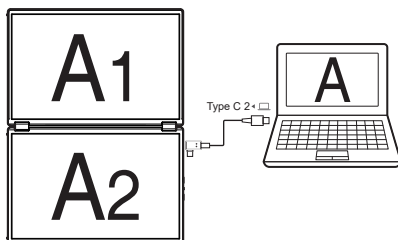
2. Display

This function contains 4 sub-functions, which you can choose according to your needs.

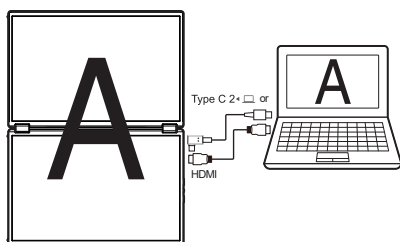




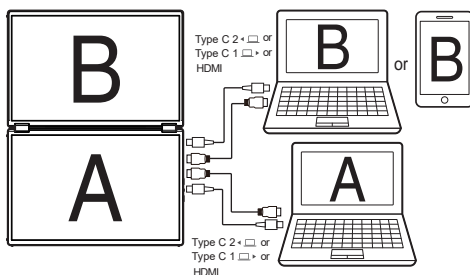
- **Mirror Mode:** This mode supports Type C 2 and HDMI interface, with dual screens displaying the same image, which can mirror or extend the image on the laptop.



- **Extend Mode:** This mode only supports the Type C 2 interface, with the upper and lower screens displaying different images, which is equivalent to connecting two monitors at the same time. It can mirror or extend the image on the laptop.



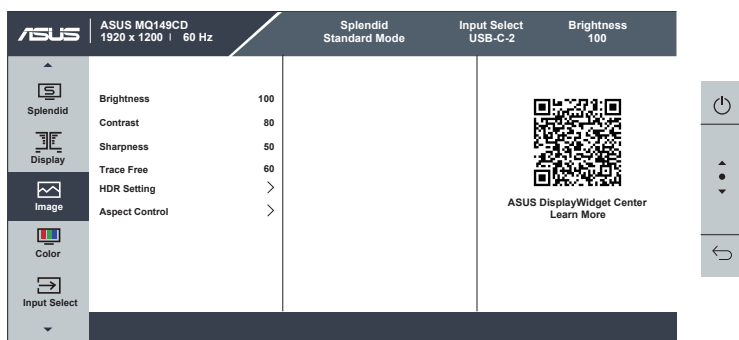
- **Split Mode:** This mode supports Type C 2 and HDMI interface, with the upper and lower screens merged into one screen, which can mirror or extend the image on the laptop.



- **Independent Mode:** In this mode, two screen signals are independent, and two different signal sources can be connected. Interface options (Type C1 & HDMI, Type C2 & HDMI, Type C1 & Type C2) are also provided for various devices (mobile phones, game machines, laptops and desktop computers).

3. Image

You can adjust image brightness, contrast, sharpness, Trace Free, HDR settings and screen control in this main function.



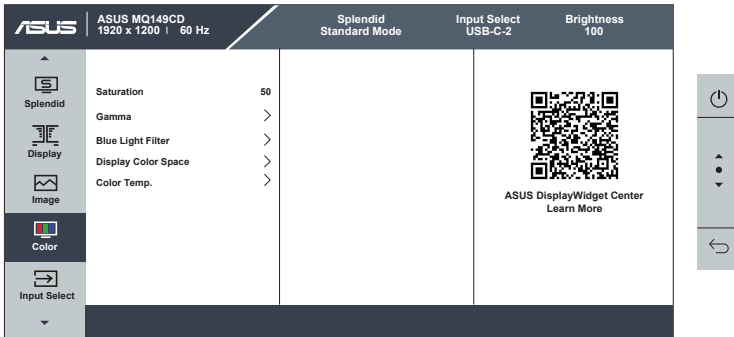
- **Brightness** : It can be adjusted from 0 to 100.
- **Contrast** : It can be adjusted from 0 to 100.
- **Sharpness** : Adjust the image sharpness, from 0 to 100.
- **Trace Free** : Adjust the response time, from 0 to 100, with an interval of 20 units.
- **HDR Setting** : High dynamic range, including Gaming HDR, Cinema HDR, Console HDR, and Display HDR 400 True Black.



- When HDR content is displayed, the image is optimized according to HDR standard, so the following features are not available: Splendid, Color.

4. Color

With this function, you can select your favorite image color.



- **Saturation:** It can be adjusted from 0 to 100.
- **Gamma:** It includes five options: 1.8, 2.0, 2.2, 2.4, and 2.6.
- **Blue Light Filter :** Adjust the energy level of blue light. With this function, you can adjust the blue light level from 0 to the maximum, with 0 indicating no change, and the higher the maximum level, the less blue light is scattered.



- When the user adjusts the blue light bar to the maximum level.



Please refer to the following instructions to alleviate eye fatigue

- After working for a long time, the user shall stop staring at the monitor for a period of time. It is recommended to take a break (at least 5 minutes) after working continuously on the laptop for 1 hour. Frequent short breaks are more effective than a single long break.
- In order to minimize eye fatigue and dryness, the user shall rest his/her eyes regularly and stare at distant scenery for a while.
- Eye exercises help to alleviate eye fatigue. The user shall do eye exercises often. If the eye fatigue continues, please consult a doctor. Eye exercises:
(1) Look up and down repeatedly (2) Turn the eyeball slowly
(3) Move the eyeball obliquely.
- High-energy blue light can easily lead to eye fatigue and AMD (age-related macular degeneration). Blue light filter can reduce harmful blue light by 70% (at most), thus avoiding CVS (Computer Vision Syndrome).

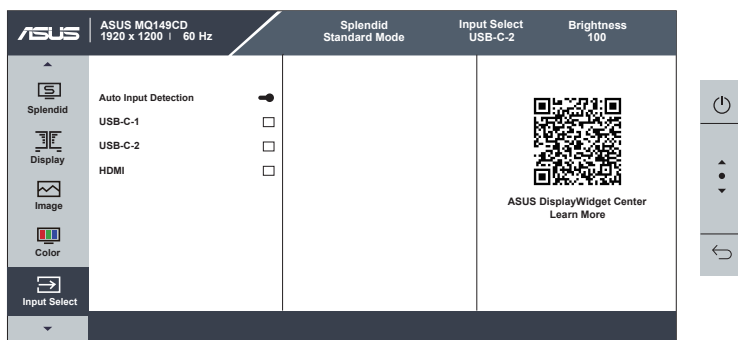
- **Monitor color space:** Including sRGB, DCI-P3 and wide color gamut.
- **Color temperature:** Including three preset color modes (cold color temperature, normal color and warm color temperature) and user mode.



- In user mode, users can configure R (red), G (green), and B (blue), and the adjustment range is 0 to 100.

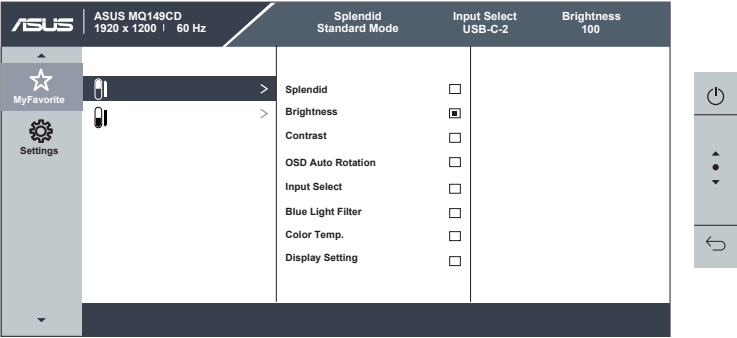
5. Input selection

Select input source: **USB-C-1**、**USB-C-2**、**HDMI** signal. When the "Auto input detection" function is disabled, the input source of the monitor will not switch automatically.



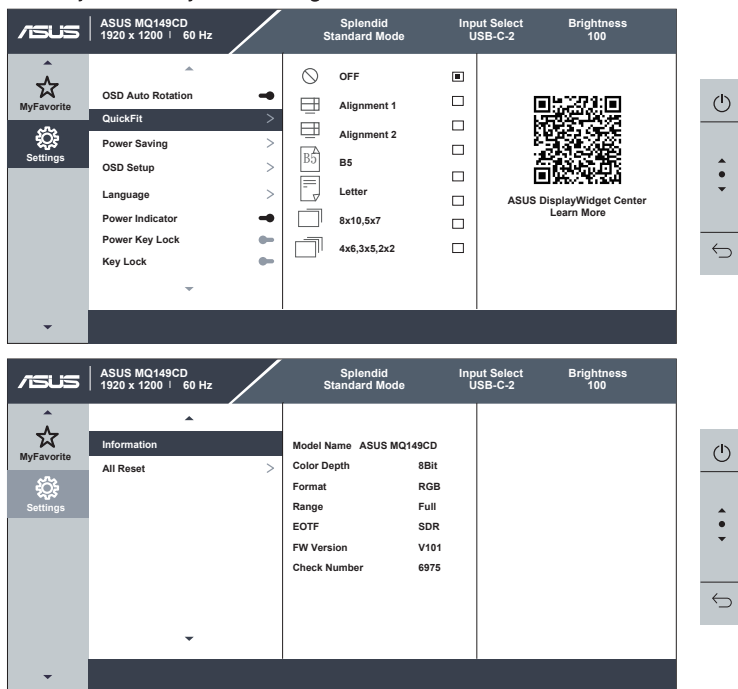
6. MyFavorite

The user can select "Splendid", "Brightness", "OSD Auto Rotation", "Input Select", "Blue Light Filter" and "Color Temp." and set them as shortcut keys. The Middle is set to brightness by default up and Splendid by default down.



7. Settings

Adjusts the system configuration.




- **OSD Auto Rotation:** Enable/Disable auto image rotation.
- **QuickFit:** Including six options: "Alignment 1", "Alignment", "B5", "Letter", "8x10, 5x7", "4x6,3x5,2x2".
- **Power Saving:** Including performance mode and energy save mode, The default setting is performance mode.
- **OSD Setup:** There are three options: "Menu Time", "Transparency", and "DDC/CI"
- **Language:** Select OSD language. Options include: **English, French, German, Spanish, Italian, Dutch, Russian, Poland, Czech, Croatia, Hungarian Romania, Portugal, Turkey, Simplified Chinese, Traditional Chinese, Japanese, Korean, Persian, Thai, Indonesian, Ukrainian, Vietnamese.**
- **Power Indicator:** Turn on/off the power LED indicator.
- **Power Key Lock:** Disable/Enable the power button.
- **Key Lock:** Disable all button functions.
- **Information:** Display information about the monitor.
- **All Reset:** When "Yes" is selected, all settings will be restored to factory default mode.

3.2 Specification

Model	MQ149CD
Panel Dimension	14"
Resolution	1920x1200
Brightness (Typ.)	400 nits
Contrast (Typ.)	100,000:1
Colors displayed	1073.7M (10 bit)
Colors	Gray
Operating power consumption (* based on ES8.0 standard)	≤ 13W
Working Temp.	0~40℃
Phys. Dimension (WxHxD)	319x212x15mm (12.56" x 8.35" x 0.59")
Box Dimension (WxHxD)	460x320x124 mm
Net Weight (Esti.)	1070g
Gross Weight (Esti.)	2600g
Voltage Rating	5V ^{or} 9V ⁻⁻⁻ , 3.0A ^{or} 12V ⁻⁻⁻ , 2.5A
Adapter	ASUS/AD2166*20 100-240V~, 50/60Hz, 0.8A 5V ⁻⁻⁻ , 3.0A(Normal model) 9V ⁻⁻⁻ , 3.0A ^{or} 12V ⁻⁻⁻ , 2.5A ^{or} 15V ⁻⁻⁻ , 2A ^{or} 20V ⁻⁻⁻ , 1.5A(Quick charge model)

*Specifications are subject to change without prior notice.




3.3 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED off	<ul style="list-style-type: none">• Press the  button to check whether the monitor is in power-on mode.• Check whether the signal line is properly connected to the monitor and laptop.
Power LED lights up in yellow, with no image displayed on the screen	<ul style="list-style-type: none">• Check whether both the monitor and the laptop are in power-on mode.• Make sure the Signal cable is properly connected between the Portable USB Monitor and the laptop.• Connect the laptop to a working monitor and check whether the laptop is working properly.
The screen image is too bright or too dark	<ul style="list-style-type: none">• Use the button to adjust the brightness setting.• When the screen image is too dark, connect the adapter
The screen image jitters or ripple patterns appear in the image	<ul style="list-style-type: none">• Make sure that the signal line is properly connected between the USB Portable Monitor and the laptop.• Remove the electronic device that may cause electronic interference.
HDR content cannot be played properly	<ul style="list-style-type: none">• Ensure that the input source supports HDR playback (using the correct system settings and the latest software).• Ensure that the content is HDR encoded.
After connecting the USB C-type input source device, the power LED indicator flashes continuously or repeatedly displays the ASUS logo	<ul style="list-style-type: none">• Check whether the adapter is connected.• Use the original Type-C cable and adapter
The image cannot be displayed after the Type-C cable is connected.	<ul style="list-style-type: none">• Use the original Type-C cable and adapter
Connect Type C2 to turn on HDR mode, and there is no image on the screen	<ul style="list-style-type: none">• Use Type-C only to turn on HDR in Independent mode. Please switch to HDMI to use HDR function
There is no image on the upper screen in extended mode	<ul style="list-style-type: none">• Mac Book& Chrome OS (AMD) does not support extended dual screens. If you need to extend dual screens, please use other input sources

The mobile phone signal cannot be extended on dual screens	<ul style="list-style-type: none"> Extended mode is not supported on mobile phone, please choose another mode
Five screens cannot be displayed at the same time	<ul style="list-style-type: none"> Intel Graphics can only display up to four screens

*Due to the unique material and characteristics of OLED fold monitor, crease is normal in the folding area. It will not affect the quality or performance of the monitor.

Display connection list

Display Interfa	Independent (Windows/MAC/Chrome)	Mirror mode (Windows/MAC/Chrome)	Extended mode (Windows*)	Split mode (Windows/MAC/Chrome)
USB-C2 	V	V	V	V
USB-C1 	V	X	X	X
Mini-HDMI 	V	V	X	V

3.4 List of Supported Timings

Main timings supported by PC

Resolution	H Freq (KHz)	V Freq (Hz)	DCLK (MHz)	Mini HDMI	USB-C
640x480-60Hz	31.469	59.94	25.175	V	V
800x600-60Hz	37.879	60.317	40	V	V
1024x768-60Hz	48.363	60.004	65	V	V
1280x720-60Hz	44.772	59.855	74.5	V	V
1280x720-60Hz	44.444	59.979	64	V	V
1280x720-60Hz	45	60	74.25	V	V
1280x960-60Hz	60	60	108	V	V
1280x1024-60Hz	63.981	60	108	V	V
1440x900-60Hz	55.469	59.901	88.75	V	V
1440x900-60Hz	55.935	59.887	106.5	V	V
1680x1050-60Hz	64.674	59.883	119	V	V
1680x1050-60Hz	65.29	59.954	146.25	V	V
1920x1080-60Hz	67.5	60	148.5	V	V
1920x1200-60Hz	74.07	59.95	154	V	V
1920x2160-60Hz	135.1	60	296.86	V	V
1920x2400-60Hz	148.13	60	308.13	V	V

Video Timing

Resolution	H Freq (KHz)	V Freq (Hz)	DCLK (MHz)	Mini HDMI	USB-C
640x480P-60Hz	29.67	59.94	21.363	V	V
720x480P-60Hz	31.469	59.94	27	V	V
720x576P-50Hz	31.25	50	27	V	V
1280x720P-60Hz	44.955	59.939	74.175	V	V
1280x720P-60Hz	45	60	74.25	V	V
1920x1080P-23.98/24Hz	26.253	23.98	56.607	V	V
1920x1080P-25Hz	27.348	24.98	59.07	V	V
1920x1080P 29.97/30Hz	32.84	29.97	70.949	V	V
1920x1080P-50Hz	56.25	50	148.5	V	V
1920x1080P-60Hz	27	60	148.5	V	V