

EK-16FCG Monitor



User Manual

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About Your Monitor

Monitor Specifications

Screen Type	IPS
Screen Size	16.1 inch/ 367.9*229.8mm
Resolution	1920 X 1080
Aspect Ratio	16:9
Color Gamut	72% NTSC
Color Depth	16.78 million colors
Color Temperature	6500K
Brightness	300 cd/m ²
Contrast Ratio	1000:1
Viewing Angle	Horizontal 178° Vertical 178°
Refresh Rate	60 Hz
Net Weight	869g / 1.9 lbs. (main unit only)
Dimensions	36.5 x 23.1 x 0.6 cm/ 14.4 x 9.1 x 0.24 inch
HDR Support	Yes
FreeSync Support	Yes
Power Consumption	65W
Connectivity	1 Full-featured USB-C port, 1 Power only USB-C port, mini-HDMI, 3.5mm Audio Jack
Built-in device	Speaker (1W * 1)

Package Contents

Please contact us if anything is missing or damaged.



EK-16FCG Monitor



USB-C Cables

1. For power and video signal transmission. (1-meter)
2. For power only (1.8-meters)



Mini HDMI to HDMI Cable

For video signal transmission
External power supply is required.



Wall Charger

100~240 V (50/60 MW) 65W

PD Charger

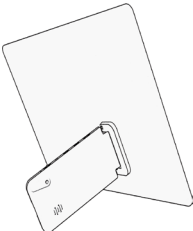
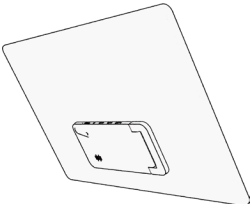


Multi Power Adapter for Travel

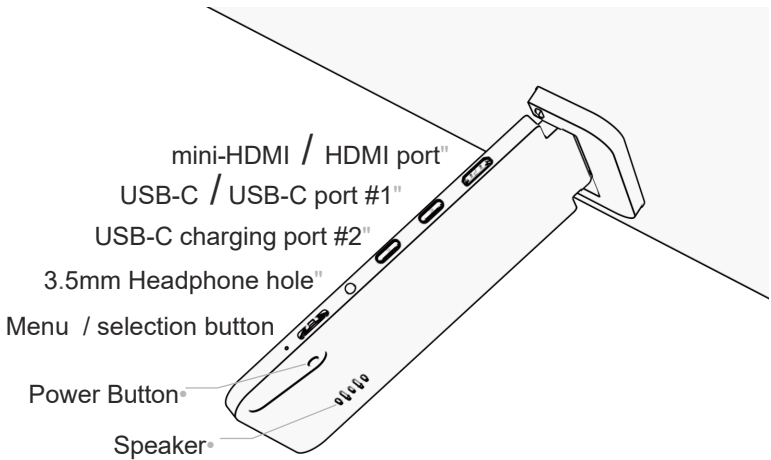
Multiple power plugs for travel

Compatible with 65W PD Charger

Setting up the monitor (EK-16FCG)



Interface & Button Introduction



■ Menu selection button

1. When the OSD menu is off :
Dial up/down: volume control/ brightness control
2. Press the menu button for OSD menu
Dial up: adjust up, Dial down: adjust down, Press button: OK

■ Power Button

1. Press the power button for more than 3 seconds: turn on/off power
2. Press the power button (1 second): Go back to the previous menu in OSD.

■ USB-C Port #1

This port supports data transmission, audio and video output and reverse charging.

Connecting the Monitor (EK-16FCG)

Identify the ports of your device

It's important to identify the ports of your device to properly connect your device to this product.



HDMI



Mini HDMI

For video signal transmission:

Connect to this product with the mini-HDMI / HDMI cable.



USB-C / Thunderbolt 3.0

For video signal transmission and power supply:

Connect to this product by the single USB-C to USB-C cable for power and display.

Note:

The USB-C port of some devices such as HP Elitebook, HP Pavilion, Acer Aspire, **does not** support video output and only supports charging.

※ Please refer to the manufacturer's website for details



DisplayPort (DP) e.g. HP Elitebook

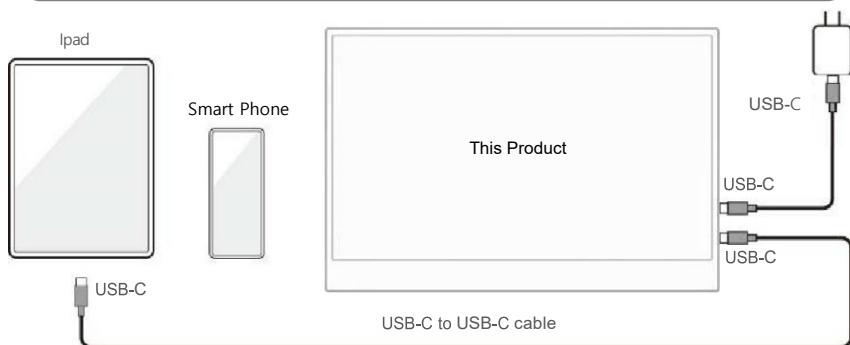


Mini Display Port (Mini DP) e.g. Microsoft Surface

For video signal transmission:

Connect to this product by a (Mini) DP to HDMI adapter & HDMI cable.

1. Connect a USB-C smartphone or tablet that can output video



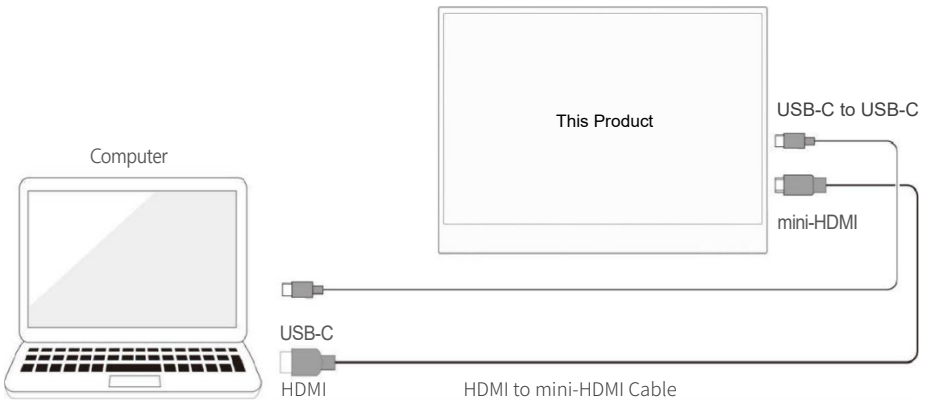
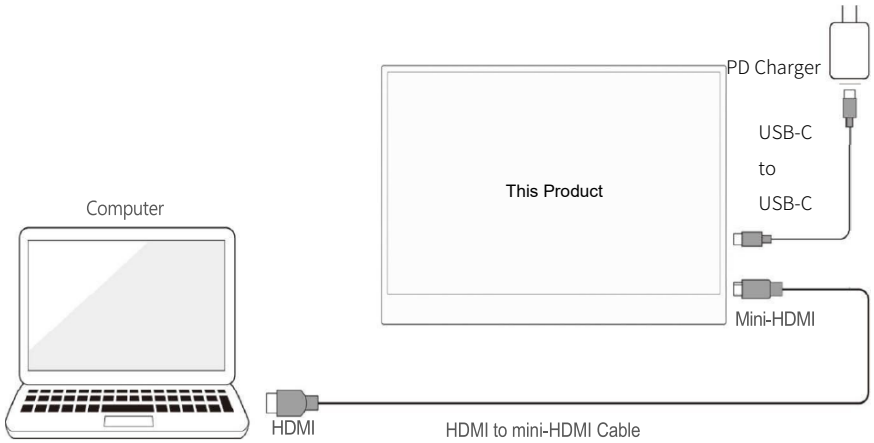
- Make sure to use the delivered power adapter and USB-C cable to power this product.
- Use the provided "USB-C to USB-C cable" to connect the "USB-C port" on the side of the smartphone or tablet to this product.

2. Game Console with a USB-C port Capable of Outputting Video



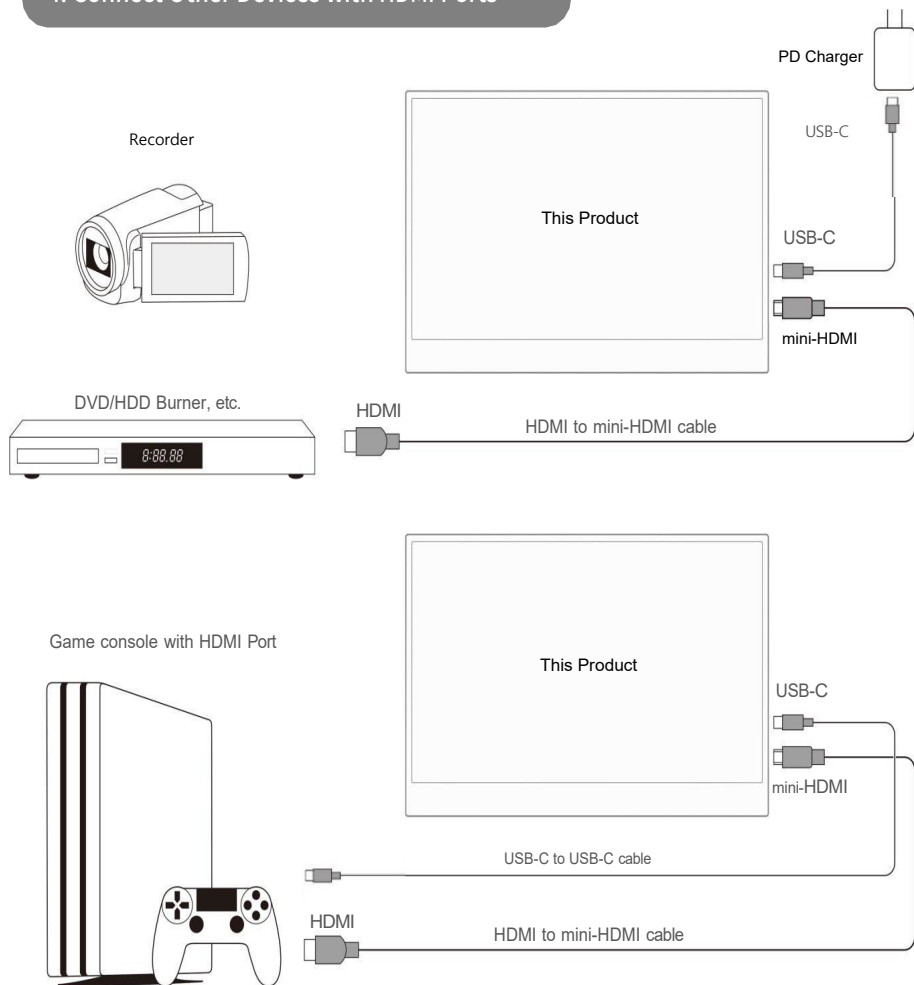
- Make sure to use the delivered power adapter and USB-C cable to power this product.
- Use the delivered "USB-C to USB-C cable" to connect the "USB-C port" of this product and the "USB-C port" of the "game console".

3. Connect to a Computer (USB-C or HDMI)



- Make sure to use the provided USB-C power adapter to power this product and use the provided HDMI to mini-HDMI cable to connect the "mini-HDMI port" of this product and the "HDMI port" on the side of the connected computer.

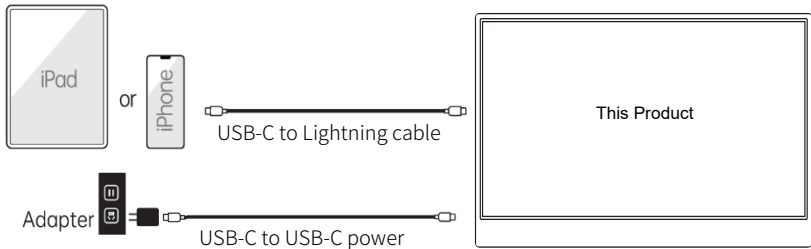
4. Connect Other Devices with HDMI Ports



- Make sure to use the delivered power adapter and USB-C cable to power this product.
- Use the provided HDMI to mini-HDMI cable to connect the "mini-HDMI port" of this product to the "HDMI port" of the device.
- Since the output power of each device is different, the power supply of the USB port may be insufficient, causing the product to fail to operate. In this case, please use the delivered power adapter and USB-C cable to power the product.

Connecting to iPhone & iPad

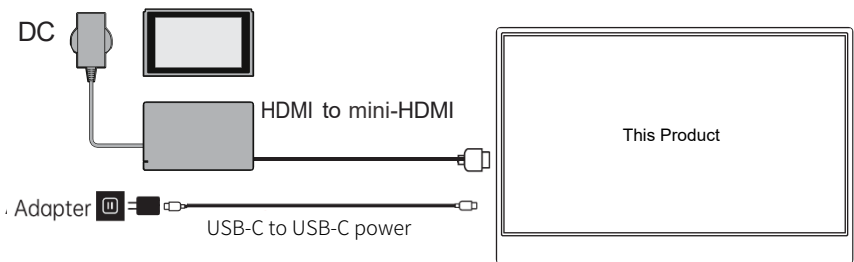
01) Connect to an iPhone with USB-C to Lightning cable



*** USB-C to Lightning cable not included in this product

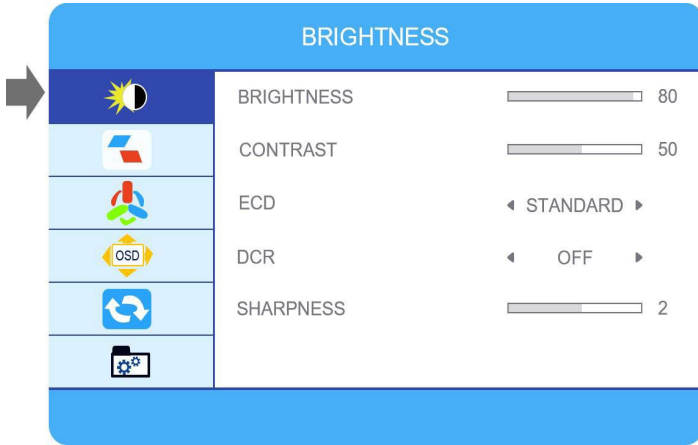
Connect to Nintendo

01) Connect to a Switch dock with HDMI cable



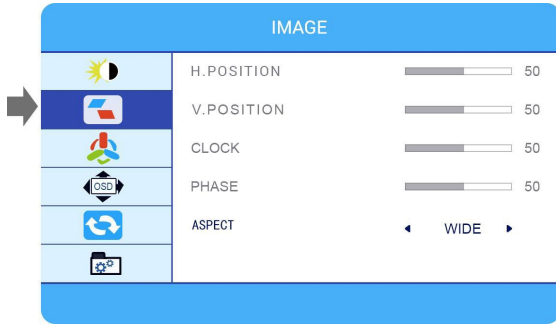
Using the On-Screen Display (OSD) Menu

1. Brightness



Brightness	0~100(30/80※)	Adjust screen brightness
Contrast	0~100(50)	Adjust screen contrast
ECD	Standard	Standard mode of image
	RTS	Image suitable for RTS games
	FPS	Image suitable for FPS games
	Text	Image suitable for text
	Movie	Image suitable for projection
	Game	Image suitable for games
DCR	OFF/ON	Automatically adjust brightness
Sharpness	0~4(2)	Enhance the clarity of the image

2. Image



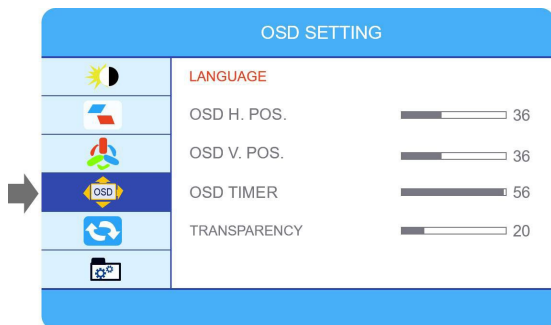
H.Position	<u>50</u>	Default
V.Position	<u>50</u>	Default
Clock	<u>50</u>	Default
Phase	<u>50</u>	Default
Aspect	<u>16:9(Wide)/4:3</u>	Change screen ratio

3. Color Temp



Color Temp.	User setting/warm/cool	Adjust screen color
Red	0~100(<u>52</u>)	Adjust the brightness of RGB red
Green	0~100(<u>50</u>)	Adjust the brightness of RGB green
Blue	0~100(<u>50</u>)	Adjust the brightness of RGB blue

4. OSD Setting



Language	12 Languages	Choose the language to display
OSD H.POS.	0~100(36)	Set the horizontal position of the display
OSD V.POS.	0~100(36)	Set the vertical position of the display
OSD Time	10~60(56)	Set the display time
Transparency	0~100(20)	Set the transparency of the display

5. Other Settings

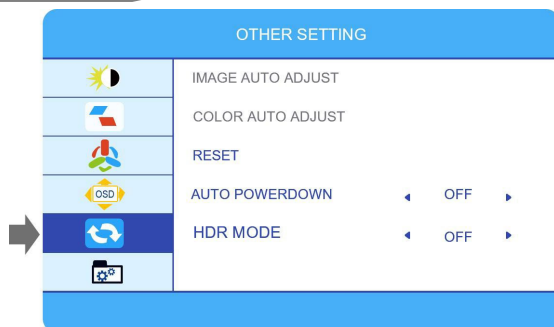
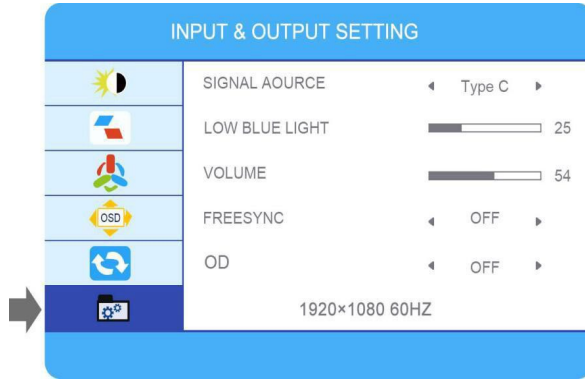


Image auto adjust	Default	Fixed value after adjustment
Color auto adjust	Default	Fixed value after adjustment
Reset	Reset	
Auto power down	OFF/ 240/120/60/50/ 40/30/20/10	After the selected time (minutes) the power of this product will automatically turn off.
HDR Mode	OFF/AUTO/2084	Set to HDR mode

6. Input & Output



Signal Source	USB-C1/USB-C2/HDMI	Set HDR mode display signal input port
Low blue light	0~100(25)	Reduce blue light
Volume	0~100(54)	Set the volume level
FREESYNC	OFF/ON	Set the screen display effect
OD	OFF/ON	Set response speed

Product Specifications

Name	EK16FCG	Size	36.5(cm) x 23.1(cm) x 0.6(cm) 14.4 x 9.1 x 0.24 inch
Screen Size	16.1 Inch/ 367.9*229.8mm	Exterior Color	Silver, black
Weight	869g/ 1.9lbs	Resolution	1920×1080
Screen Type	IPS	Refresh Rate	60Hz
Aspect Ratio	16:9	Brightness	300 cd/m ²
Contrast	1000:1	Reaction Speed	3ms
Color (sRGB)	96%	Display Color	About 16.78 million colors
Viewing Angle	178°	Speaker	Speaker×1
Output Interface	3.5mm Headphone hole	Input Interface	mini-HDMI、USB-C
Packing List	HDMI to mini-HDMI cable, USB-C to USB-C Cable, USB-C to USB-C Cable (power), PD-charger, multi travel adapters, Warranty Card, Monitor Pouch		

Settings for Duplicate/Extended/Second Screen

Windows

- Right click on the desktop and select "Display settings"
- Scroll down to the "Multiple Displays" option.
Select "Duplicate these displays" or "Extend these displays" or "Show only on 2" for Different Modes

Multiple displays

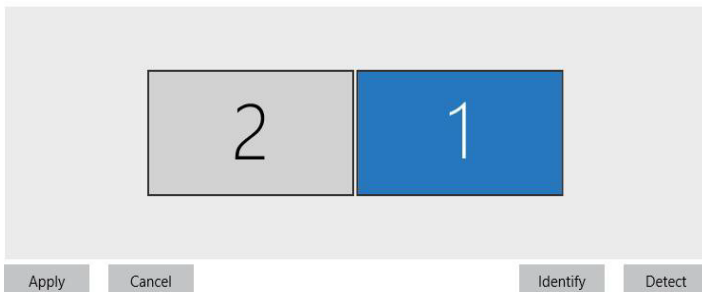


How to extend a second screen to the left side

- Right click on the desktop and select "Display settings"
- In the top section of that window, you will see an image of each screen with numbers.
- Press and hold the left mouse button and drag that image to the opposite side of the image on the right and release the mouse cursor.
- Click Apply

Rearrange your displays

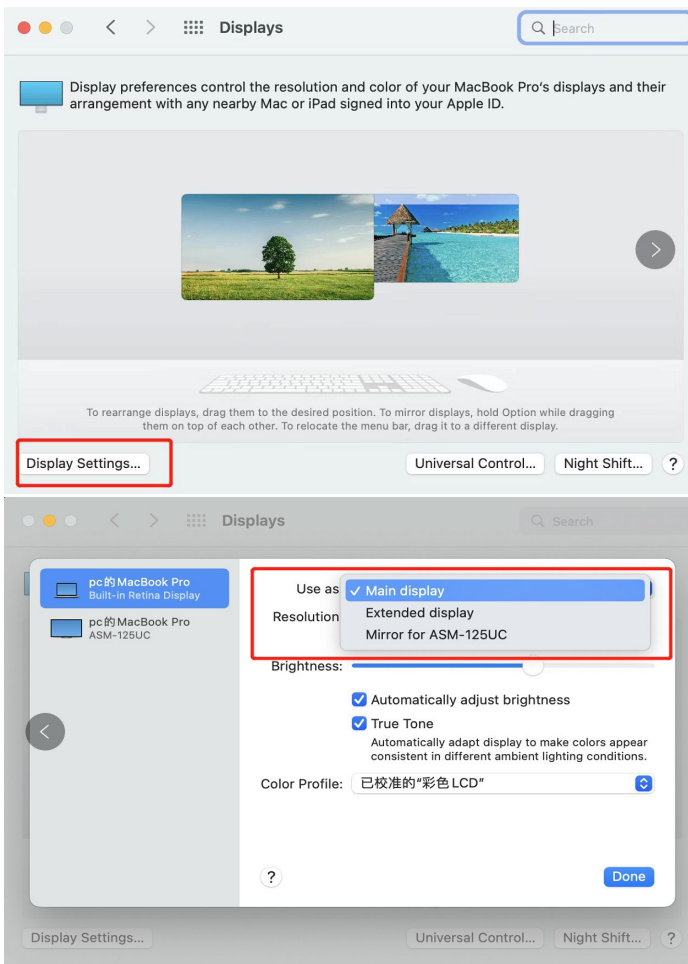
Select a display below to change the settings for it. Press and hold (or select) a display, then drag to rearrange it.



Settings for Duplicate/Extended/Second Screen

Mac OS

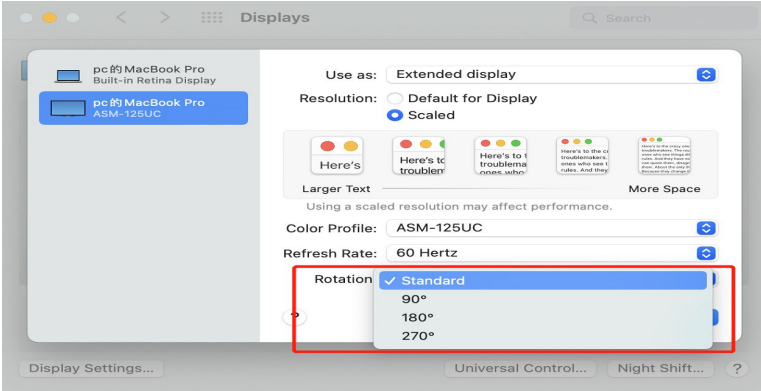
- Choose Apple menu > System Preferences, click Displays.
- Click the Display Settings tab.
- Make sure that mirror mode isn't selected to properly use the Extended display.



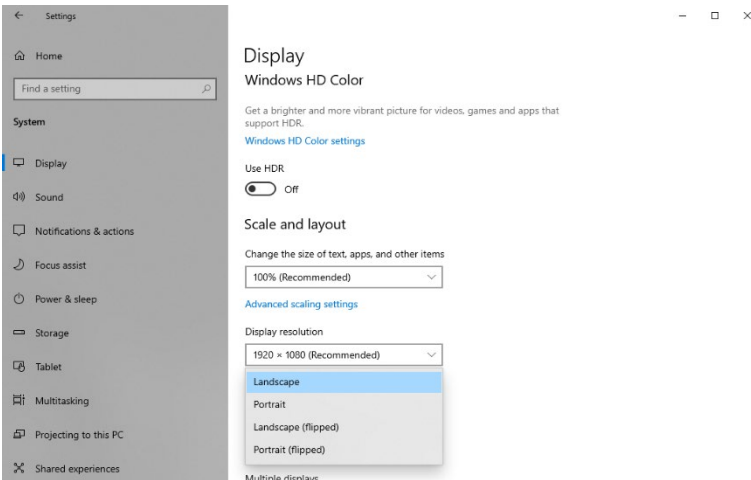
Settings for Landscape or Portrait mode

Mac OS

- Choose Apple menu > System Preferences.
- Hold down the Cmd+Option(Alt) keys and click on "Displays"
- Look for the newly visible 'Rotation' drop down menu.



Windows



- Right click on the desktop and select Display settings
- Scroll down to the "Display orientation" option. Selecting "Landscape" or "Portrait"

Mobile Phone Models That Support Video Output

HUAWEI	Mate10、Mate10Pro、Mate20、Mate20Pro、Mate20X、Mate RS、Mate30、P20、P20 Pro、P20 RS、P30、P30 Pro、Honor Note10、Honor V20		
IPhone	Full range of models above iPhone 6		
Samsung	S8、S8+、S9、S9+、S10、S10+、Note8、Note9、S10		
Smartisan	Smartisan R1、Smartisan Pro2S		
Sony	Xperia 1(J9110)、Xperia 5、Xperia XZ3		
Razer	Razer Phone、Razer Phone 2		
ONEPLUS	One Plus7、7Pro、7T	OPPO	R17 Pro
Asus	ROG series of phones	ZTE	AXON 9Pro
Mi	Black Shark II	Nokia	Nokia 9 Pure View
HTC	U Ultra	LG	G5
More mobile phone models that support video output continue to change...			

※If you purchase a touch model, some phones don't support touch after expansion (e.g. Black Shark)

※ For more information, please refer to the manufacturer's website.

Computer Models That Support Video Output

HUAWEI	MateBook D、MateBook X、MateBook X Pro、MateBook E、MateBook 13		
Honor	Magic Book		
Apple	MacBook12、MacBook Air 2018、MacBook Pro、ipad Pro 2018		
Mi	Air12.5、Air13.3 Inch、Pro15.6 Inch、Millet Game Book		
Lenovo	Yoga5 Pro、Yoga6 Pro、ThinkPad-X1、Carbon2017、Miix720、Rescuer Y7000、Y7000P、Y9000K		
HP	Pavilion X2、EliteBook、Folio、G1、HP Spectre 13、Envy 13		
Dell	G3、G5、G7、Inspiron 5000、70000、XPS 13、XPS 15、Latitude 5285		
Asus	Lingyao 3、Lingyao 3 Pro、Lingyao X Series、U306、U321Series、U41000、ROG Series		
Google	ChromeBook、PielBook、Pen		
Razer	Blade Stealth、Blade Stealth Edition		
Microsoft	Surface Book 2、Surface Go	Acer	Chrome Book 11
More models continue to be updated...			

※ If you buy a touch model, some models of computers do not support touch (e.g.: Apple Computer)

※ For more information, please refer to the manufacturer's website.

Frequently Asked Questions (FAQ)

Can this monitor work with an iPad?

Yes. If the port of the iPad is a USB-C port, this monitor will work well with the iPad. But for an iPad with a lightning port, a lightning to HDMI adapter is required.

How to save the brightness setting.

The monitor will automatically save all settings when using USB-C connection or HDMI connection for display.

For single USB-C connection for power and display, if the device cannot provide enough power supply for this monitor, the brightness will be set to 30 automatically.

Why can't the brightness and contrast be adjusted?

The brightness and contrast cannot be adjusted if HDR mode is on, or if ECD is set to "MOVIE, GAME, TEXT..." mode, or if DCR is turned on.

Please refer to the OSD menu settings to reset these settings.

For more information, please visit our website: www.ekleer.com