



OWNER'S MANUAL

# PORTABLE MONITOR

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For safe and convenient use, please read this owner's manual carefully before starting to use the product.

16MR70 Series



MFL71978202

[www.lg.com](http://www.lg.com)

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## Contents


Important Safety Precautions.....	1
Checking the Components.....	2
Product Tour.....	2
Using Folio Cover.....	3
Connecting the Product.....	4
Adjusting Screen Brightness.....	5
Setting PC Screen (Expansion Mode).....	6
Installing SW.....	6
Pre-Tech Support Checklist.....	7
Appendix.....	7
Product Specifications.....	7
Factory Default Mode.....	8
Registered Trademark and Open Source Software Notice Information.....	9
Symbols.....	9

## Important Safety Precautions


Check the following 'Important Safety Precautions' to prevent unexpected danger or damage in advance.

'Important Safety Precautions' is divided into 'WARNING' and 'CAUTION.'


 **WARNING:** Noncompliance with the instruction may cause serious physical damage or fatal injuries.

 **CAUTION:** Noncompliance with the instruction may cause minor damage to the body or the machine.

### | While using product

 **WARNING**

- Use the product in a safe place where there is no danger of the product falling.
- Do not use the product in a dusty or humid place.
- Do not use the product in a high or low-temperature environment.
- Do not touch the power cord with your hands wet.
- Keep the power cable port free of foreign substances.
- Clean the product with a proper agent and dry it completely before using it again.

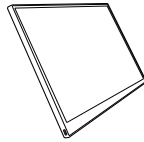
 **CAUTION**

- Do not press the monitor screen with fingers or put objects on it.
- Do not tap or scratch the screen with a sharp object.
- If the screen is damaged, do not touch it with your hands.
- Keeping a paused image on the screen for an extended period of time may result in screen burn-in.
- Use a screensaver, etc.
- When its temperature is low, turning on the monitor may cause momentary blinking of the screen.
- If this is the case, you may see some red, green, and blue spots on the screen but it is normal.

## Checking the Components

The components shown below are provided when you purchase the product. Check the components before use.

- Some of its components may look different in shape and color from the pictures in certain models.
- To clean the product, use a dedicated cleaning agent for PC and monitor. Using thinners, benzene, alcohol or other similar agents may cause product damage or deformation.



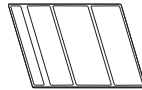
Monitor body



Owner's manual /  
Regulatory information



USB-C™ cable



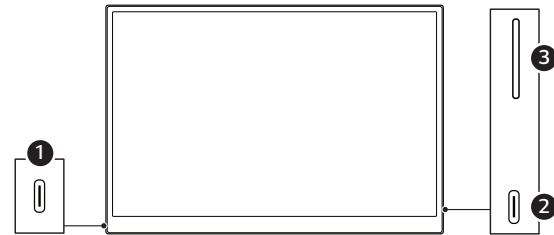
Folio cover

### NOTE

- The figures in the owner's manual are subject to change without prior notice.

## Product Tour

The product may differ in shape and color from the product images included in this Owner's manual.



- 1 USB-C™ port <sup>1</sup>
- 2 USB-C™ port <sup>1</sup>
- 3 Screen brightness adjustment / Power button <sup>2</sup>

1 The USB-C™ port only supports PD (Power Delivery)\* and connection to external display screens.

\* Supported when connecting the PD charger

2 If you press and hold the upper and lower buttons of the screen brightness adjustment button at the same time for 2 seconds or longer, you can turn on or off the power.

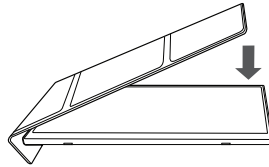
## Using Folio Cover

You can fold back the folio cover to protect the monitor screen and use it as a stand.

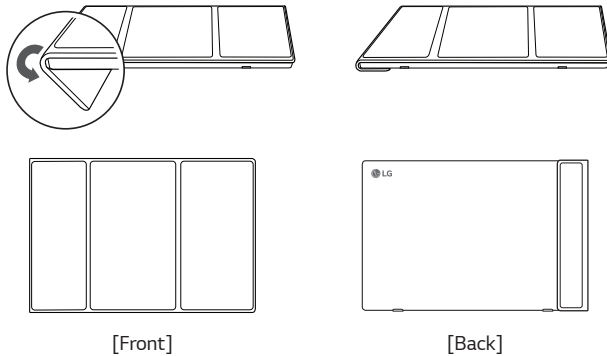
### With a folio cover

- CAUTION**
- When you are moving the product, make sure to keep the folio cover on it to protect the screen.

- Put the folio cover on the monitor screen.



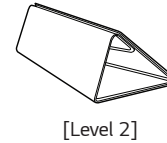
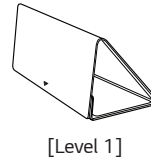
- Attach the docking side of the folio cover on the back side of the monitor.



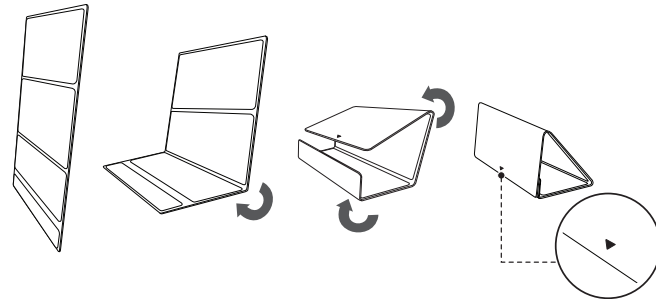
### Stand Mode

- CAUTION**
- To prevent damage, use in the right direction.
  - If used in a wrong direction, the stand is not attached.

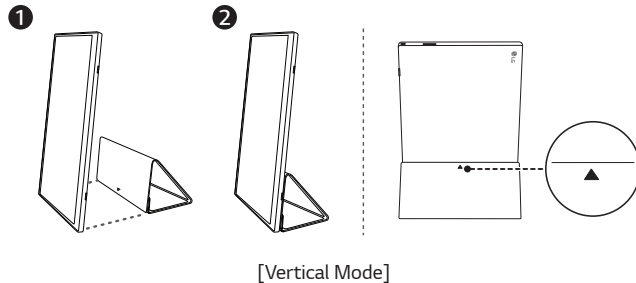
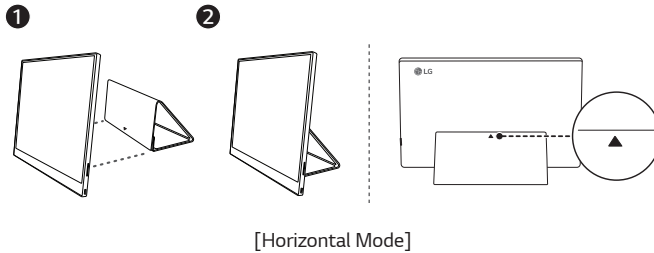
- NOTE**
- You can use the stand in two types of angles (Level 1, Level 2) as necessary.



- Fold the soft side (suede) outwards and make a stand so that a triangular shape [▲] faces downward.



- 2 Attach the folio cover on the back side of the monitor and use it in a horizontal/vertical mode.



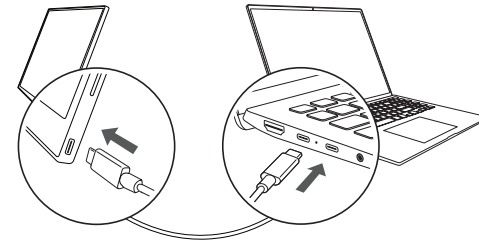
## Connecting the Product

### ⚠ CAUTION

- Do not connect any other type of cable than USB-C™ cable for this connection. Doing so can damage the connector.
- If power consumption of the PD charger is low, the battery level of the device connected to the monitor may decrease.

### Connecting to PC Immediately

Connect the USB-C™ ports of the monitor and the PC using the USB-C™ cable.

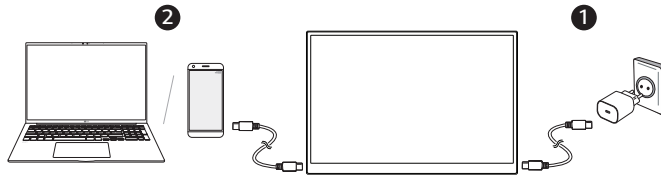
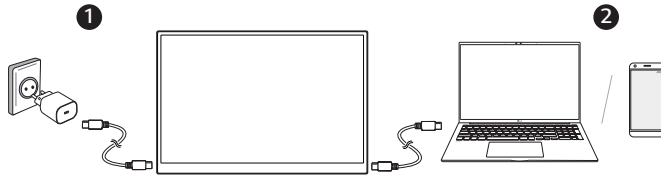


### ✓ NOTE

- Some PCs may not support monitor connection.
- The device to connect to the monitor must support power output (USB PD) of 7.5 W (5 V / 1.5 A) or higher and DisplayPort Alternate Mode (DP Alt Mode).
- Use the USB-C™ cable enclosed with the monitor and a cable certified by LG Electronics for connection. If another cable is used, it may cause the screen to operate abnormally.
- If the PC connected to the monitor has low battery, connection may be lost.
- This monitor supports the plug-and-play function.  
(Plug-and-play: When a device is connected to a PC, the PC automatically recognizes the connected device without any environment settings by the user.)

## Connecting with PD Charger

Connect the PD charger to the monitor and then connect another device (PC, smartphone, etc.).



### CAUTION

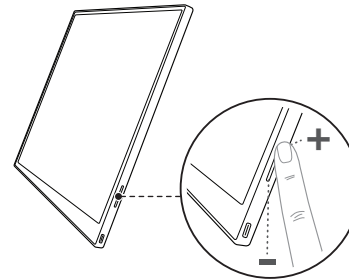
- If the monitor and smartphone are connected directly without connecting a PD charger, it may not operate normally.

### NOTE

- A charger is sold separately and is not provided as a component.
- To use the USB PD (Power Delivery) function, you need a PD charger with 25 W or higher. (It is recommended to use a PD charger with 45 W or higher.)
- Connecting a 65 W PD charger supports the maximum 45 W of PD output. Connecting a 45 W PD charger supports the maximum 30 W of PD output. Connecting a 25 W PD charger supports the maximum 10 W of PD output.
- The PD function does not operate while the Sleep mode or power is turned off. When not used for a long time, remove the cable.
- Some smartphone chargers and PCs may not support the PD or Sink function.







## Adjusting Screen Brightness

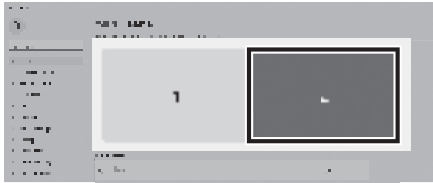
You can use the screen brightness button on the right of the monitor to adjust the screen brightness.



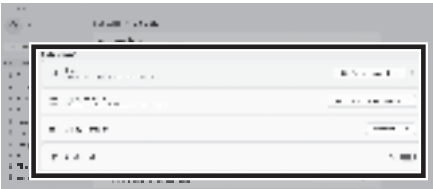
## Setting PC Screen (Expansion Mode)

If you set the portable monitor to Extension Mode, you can set the screen ratio and layout.

- 1 Press [  /  ] or [Ctrl] + [ESC] on your keyboard to bring up the Start menu.
  - Windows 10: Press the Start button [  ] and then select the Settings [  ].
  - Windows 11: Press the Start button [  ] and then select the Settings [  ] on the start screen.
- 2 When the Settings screen appears, select [System] > [Display].
- 3 Windows 10: Select [Extend these displays] under [Multiple displays].  
Windows 11: Select [Extend these displays].
- 4 Select monitor 2.



- 5 Change settings as desired under [Scale & layout].



### ✓ NOTE

- The image is only representative and may vary depending on the Windows version and language of the country.

## Installing SW

Install LG Switch and use various functions such as screen split, monitor settings, and screen switch easily and conveniently.

- 1 Visit the LG Electronics website ([www.lg.com](http://www.lg.com)).
- 2 Press [(Product Support) or (Support)] > [(Software & Drivers) or (Software & Firmware)] and then search "Product Model Name (16MR70)".
- 3 Select "LG Switch" and start installing the software.

### ✓ NOTE

- After LG Switch is installed, you can see how to use it from the Help menu provided inside the app.
- LG Switch is available for Windows only.
- The Auto Screen Rotation function is available only while LG Switch is enabled.



## Pre-Tech Support Checklist


If the following symptoms appear while using the product, check again. It may not be a malfunction.

Symptom	Cause and Solution
The screen stays blank or connection is unstable.	<ul style="list-style-type: none"> <li>Check if the device connected to the monitor supports DisplayPort Alternate Mode (DP Alt Mode) and USB Power Delivery (USB PD).</li> <li>If the smartphone is not connected, connect the USB-C™ cable to the monitor first and then connect the smartphone.</li> </ul>
The power does not turn on.	<ul style="list-style-type: none"> <li>Check if you can properly connect the device to the monitor using the USB-C™ cable that comes with the monitor.</li> </ul>
The monitor's supported frequency range has been exceeded.	<ul style="list-style-type: none"> <li>This phenomenon occurs when the signal sent from the PC exceeds the horizontal or vertical frequency range. Refer to the Factory Mode settings and reset the frequency.</li> </ul>
The screen looks unclear.	<ul style="list-style-type: none"> <li>Setting the screen resolution to any other than the recommended (optimal) resolution may result in blurry text or dimming, cropping, or tilting of the screen. Use the recommended screen resolution setting.</li> </ul>
Screen burn-in remains even when power is off.	<ul style="list-style-type: none"> <li>Note that having a fixed screen on for an extended period of time may cause damage to the display and lead to screen burn-in.</li> <li>To use the monitor for a long time, use a screensaver.</li> </ul>

Symptom	Cause and Solution
There are spots on the screen.	<ul style="list-style-type: none"> <li>You may see a few pixel spots (red, green, blue, white, black) on the screen while using the monitor. This is a normal phenomenon of an LCD screen. This is unrelated to the monitor performance and is not an abnormality.</li> </ul>
I can't charge.	<ul style="list-style-type: none"> <li>Check if the adapter supports PD charging. It is recommended to use a PD charger with 45 W or higher.</li> </ul>

## Appendix

### Product Specifications

Display	16 inch (40.6 cm) IPS LCD	
Color Depth	16.7 million colors (8 bits)	
Resolution	Maximum Resolution	2560 x 1600 @ 60 Hz
	Recommended Resolution	2560 x 1600 @ 60 Hz
Display Standard Supported	DisplayPort Alternate Mode (DP Alt Mode)	
Power	Rated	5 - 20 V  3.25 A
	Power Consumption	Operation mode: 8 W general (factory default)*

Environment	Operation	Temperature	+32 °F to +104 °F (0 °C to 40 °C)
		Humidity	Lower than 80 %
	Storage	Temperature	-4 °F to +140 °F (-20 °C to 60 °C)
		Humidity	85 % or lower
Dimensions (not including package)	With a folio cover	14.3 (width) x 9.8 (height) x 0.4 inch (thickness) / (362.4 (width) x 247.6 (height) x 10.8 mm (thickness) )	
	Without a folio cover	14.2 (width) x 9.7 (height) x 0.3 inch (thickness) / (360 (width) x 245.5 (height) x 8.3 mm (thickness) )	
Weight (not including package)	With a folio cover	Approx. 32.5 oz (920 g)	
	Without a folio cover	Approx. 24 oz (670 g)	

#### NOTE

- \* Power consumption in On Mode was measured under LGE's standard testing conditions (full white pattern, maximum resolution, maximum brightness).
- The product specifications are subject to change without notice for product improvement.
- Power consumption level may differ depending on the operating conditions and monitor settings.

#### Factory Default Mode

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Polarity (H/V)
640 x 480	29.38	59.46	+/-
800 x 600	36.98	59.84	+/-
1024 x 768	47.30	59.87	+/-
1152 x 720	44.40	59.92	+/-
1280 x 800	49.31	59.91	+/-
1600 x 1000	61.65	59.91	+/-
1680 x 1050	64.67	59.88	+/-
1920 x 1200	74.04	59.95	+/-
2560 x 1440	88.79	59.95	+/-
2560 x 1600	98.71	59.97	+/-

## Registered Trademark and Open Source Software Notice Information

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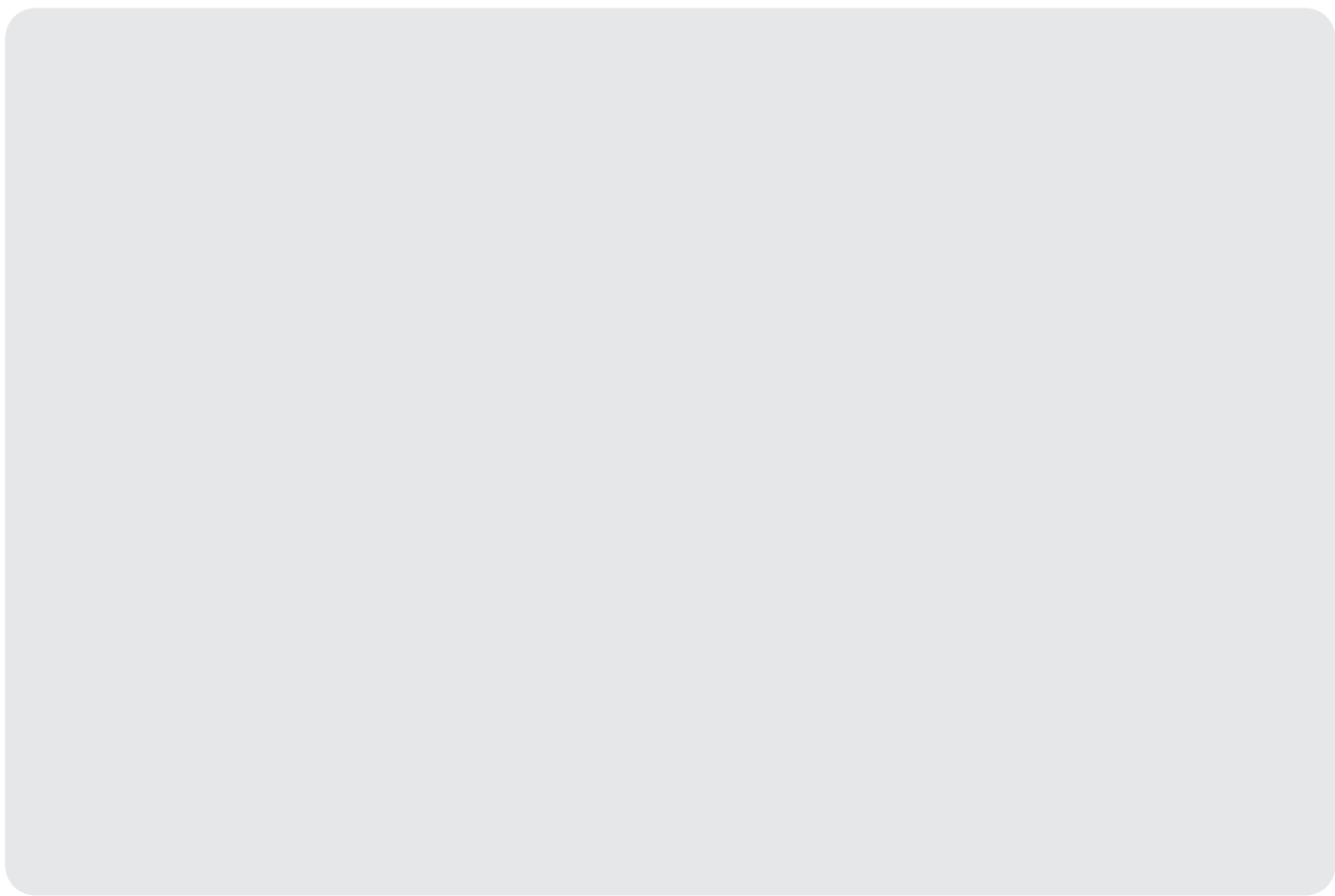
To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com).

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

## Symbols

~	Refers to alternating current (AC).
≡	Refers to direct current (DC).
⊞	Refers to class II equipment.
⏻	Refers to stand-by.
⏻	Refers to "ON" (power).
⚡	Refers to dangerous voltage.





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