



# LCD Monitor User Manual

PhotoVue Photographer Monitor | SW Series



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The performance of flicker-free may be affected by external factors such as poor cable quality, unstable power supply, signal interference, or poor grounding, and not limited to the above mentioned external factors. (Applicable for flicker-free models only.)

## BenQ ecoFACTS

BenQ has been dedicated to the design and development of greener product as part of its aspiration to realize the ideal of the "Bringing Enjoyment 'N Quality to Life" corporate vision with the ultimate goal to achieve a low-carbon society. Besides meeting international regulatory requirement and standards pertaining to environmental management, BenQ has spared no efforts in pushing our initiatives further to incorporate life cycle design in the aspects of material selection, manufacturing, packaging, transportation, using and disposal of the products. BenQ ecoFACTS label lists key eco-friendly design highlights of each product, hoping to ensure that consumers make informed green choices at purchase. Check out BenQ's CSR Website at <a href="http://csr.BenQ.com/">http://csr.BenQ.com/</a> for more details on BenQ's environmental commitments and achievements.



## Product support

This document aims to provide the most updated and accurate information to customers, and thus all contents may be modified from time to time without prior notice. Please visit the website for the latest version of this document and other product information. Available files vary by model.

- 1. Make sure your computer is connected to the Internet.
- 2. Visit the local website from Support.BenQ.com. The website layout and content may vary by region/country.
  - User manual and related document
  - Drivers and applications
  - (EU only) Dismantled information: Available on the user manual download page. This document is provided based on Regulation (EU) 2019/2021 to repair or recycle your product. Always contact the local customer service for servicing within the warranty period. If you wish to repair an out-of-warranty product, you are recommended to go to a qualified service personnel and obtain repair parts from BenQ to ensure compatibility. Do not disassemble the product unless you are aware of the consequences. If you cannot find the dismantled information on your product, contact the local customer service for assistance.

#### Advanced software

Apart from the built-in technologies and features available on this product, you are provided with more software applications to enhance and extend the product functionality. Download the software and its user guide as instructed from the BenQ website.

#### Palette Master Element

The **Palette Master Element** software simplifies calibration and reliably produces accurate color results. Palette Master Element can be used to fine-tune the color engine in certain BenQ monitors and fully supports X-Rite / Datacolor colorimeters.

#### Paper Color Sync

The **Paper Color Sync** software helps sync the color settings between the image, the computer, and the printer so the printing result is predictable.

SW271C: 388979 SW321C: 343945

# **Q&A** index

Start with the topics that you are interested in.

## **S**etup

	now to set up the monitor and turn it on:	
	Safety precautions	6
	How to assemble your monitor hardware	21
	Adjusting the monitor height	34
	How to avoid unwanted lights on the screen?	
	Installing shading hood (optional step)	29
	How to adjust the monitor viewing angle?	
	Viewing angle adjustment	36
	How to install the shading hood?	
	Landscape installation	29
	Portrait installation	31
	How to wall mount the monitor?	
	Using the monitor wall mounting kit	37
Ca	alibration and image editing	
	How to calibrate the monitor?	
	Installing shading hood (optional step)	29
	Palette Master Element	3
	What can be done before photo editing?	
	Installing shading hood (optional step)	29
	Choosing an appropriate color mode	50
	Minimizing the color difference between the screen and the hardcopy (Paper Color Sync)	51
	What can be done before video post-production?	
	Installing shading hood (optional step)	29
	Choosing an appropriate color mode	50
	Working with HDR technology	48
	Working with SDI devices	51
	How to make color consistency easily between the screen and	
	the hardcopy?	
	Minimizing the color difference between the screen and the hardcopy (Paper Color Sync)	51

Input source and image display	
How to switch the input sources?	
Connect the PC video cable	23
Input	53
How to watch HDR content?	
Working with HDR technology	48
How to view a vertical image on the monitor?	
Rotating the monitor	35
How to split screen my monitor to show images from two	
sources at the same time?	
Displaying two sources at the same time (PIP/PBP)	50
How to adjust the color settings?	
Basic menu operation	47
Color Adjustment menu	55
Menus and accessories	
Can I set hot keys to frequently used functions or menus?	
Connect the Hotkey Puck G2 to the monitor.	24
Hotkey Puck G2 and its basic operations	45
Customizing the hot keys	48
How to use the OSD menu?	
Basic menu operation	47
Navigating the main menu	52
What menu options are available to each color mode?	
Available menu options to each color mode	58
Can I charge my device via the monitor's USB-C™ port?	
Power delivery of USB-C <sup>™</sup> port on your monitor	20
Maintenance and product support	
How to clean the monitor?	
Care and cleaning	7
Cleaning the LCD screen (SW321C only)	9
How to keep the monitor not in use for a long time?	
How to detach the stand and the base	27
Care and cleaning	7

I need more support.
Product support

Servicing

3

7

## Safety precautions

## Power safety



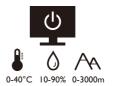
Please follow these safety instructions for best performance, and long life for your monitor.













- The AC plug isolates this equipment from the AC supply.
- The power supply cord serves as a power disconnect device for pluggable equipment. The socket outlet should be installed near the equipment and be easily accessible.
- This product should be operated from the type of power indicated on the marked label. If you are not sure of the type of power available, consult your dealer or local power company.
- The Class I pluggable equipment Type A must be connected to protective earth.
- An approved power cord greater or equal to H03VV-F or H05VV-F, 2G or 3G, 0.75mm<sup>2</sup> must be used.
- Use only the power cord provided by BenQ. Never use a power cord that appears to be damaged or frayed.

For Germany only:

- (If the weight of the product is less than or equal to 3 kg) An approved power cord greater or equal to H03VV-F, 3G, 0.75mm<sup>2</sup> must be used.
- (If the weight of the product is more than 3 kg) An approved power cord greater or equal to H05VV-F or H05RR-F, 3G, 0.75mm<sup>2</sup> must be used.
- (If a remote control is provided) RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

For models with adapter:

- Use only the power adapter supplied with your LCD Monitor. Use of another type of power adapter will result in malfunction and/or danger.
- Allow adequate ventilation around the adapter when using it to operate the device or charge
  the battery. Do not cover the power adapter with paper or other objects that will reduce
  cooling. Do not use the power adapter while it is inside a carrying case.
- Connect the power adapter to a proper power source.
- Do not attempt to service the power adapter. There are no service parts inside. Replace the unit if it is damaged or exposed to excess moisture.

## Care and cleaning

- Do not place the monitor face down on the floor or a desk surface directly. Otherwise, scratches on the panel surface may occur.
- The equipment is to be secured to the building structure before operation.
- (For models that support wall or ceiling mounting)
  - Install your monitor and monitor mounting kit on a wall with flat surface.
  - Ensure that the wall material and the standard wall mount bracket (purchased separately) are stable enough to support the weight of the monitor.
  - Turn off the monitor and the power before disconnecting the cables from the LCD monitor.
- Always unplug the product from the power outlet before cleaning. Clean the LCD monitor surface with a lint-free, non-abrasive cloth. Do not use any liquid, aerosol, glass or alcohol cleaners.
- (SW321C only) To clean the monitor screen, see Cleaning the LCD screen (SW321C only) on page 9 for details.
- Slots and openings on the back or top of the cabinet are for ventilation. They must not be blocked or covered. Your monitor should never be placed near or over a radiator or heat sources, or in a built-in installation unless proper ventilation is provided.
- Do not place heavy loads on the monitor to avoid possible personal injury or damage to the monitor.
- Consider keeping the box and packaging in storage for use in the future when you may need to transport the monitor.
- Refer to the product label for information on power rating, manufacture date, and identification markings.

## Servicing

- Do not attempt to service this product yourself, as opening or removing covers may expose
  you to dangerous voltages or other risks. If any of the above mentioned misuse or other
  accident such as dropping or mishandling occurs, contact qualified service personnel for
  servicing.
- Contact your place of purchase or visit the local website Support.BenQ.com from for more support.



## Caution

- The monitor should be  $50 \sim 70$  cm ( $20 \sim 28$  inches) away from your eyes.
- Looking at the screen for an extended period of time causes eye fatigue and may deteriorate your eyesight. Rest your eyes for  $5 \sim 10$  minutes for every 1 hour of product use.

- Reduce your eye strain by focusing on objects far way.
- Frequent blinking and eye exercise help keep your eyes from drying out.

## Cleaning the LCD screen (SW321C only)



Please follow these safety instructions for best performance, and long life for your monitor.

Due to the special panel coating, smudges and fingerprints on the monitor screen could be obvious. Be sure to follow the instructions to clean the screen surface appropriately.

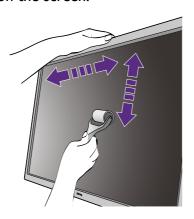
## Using the screen cleaning roller (recommended)

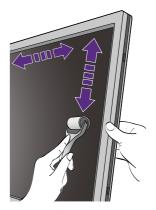
There is one screen cleaning roller in the product package. The supplied roller is highly recommended to clean your monitor screen. It is an eco-friendly design as it is reusable, washable, and liquid-free.

- 1. Unplug the monitor from the power outlet before cleaning.
- 2. Take the roller out of its box. Make sure there is no sharp debris on the roller surface to avoid scratching the screen.



3. Move the roller on the stained area of the screen gently. It helps remove dust, fingerprints, and smudges from the monitor screen. Hold the edge of the monitor and avoid excessive force on the screen.





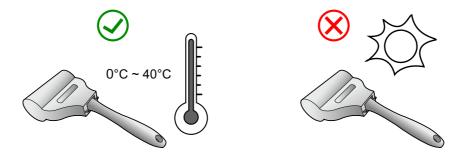
## Care and storage

• The roller may get dirty after using several times and may not be able to clean the screen properly. Wash it under running water and remove debris from the roller by hand if necessary. Keep it in a cool place until it is dry. Make sure it is completely dry before the next cleaning.





- Do not blow-dry the roller.
- Do not try to wipe the roller clean by a wet cloth or tissue as the fibers may be left on the roller and keep it from cleaning the monitor screen properly.
- Do not expose the roller to direct sunlight. Keep it away from sources of heat (such as radiators, space heaters, stoves, and so on).
- $\bullet$  Use and store the roller between 0 °C 40 °C. Put the roller back to its box if it is not used for a long time.



• If your monitor screen can not be cleaned up by the roller even if it is properly washed, contact local customer service for the availability of a new roller.

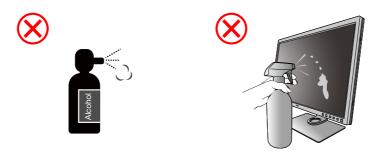




If you drop the roller by accident, dirt or tiny sharp debris may be stuck on the silicon roller. Wash and dry it before use.

## Using a screen cleaner (purchased separately)

- Use screen cleaning wipes which are pre-moistened and alcohol-free. You can wipe away oil and fingerprints easily.
- Use an alcohol-free screen cleaner kit. Spray on the microfiber cloth that came with the screen cleaner kit, and wipe smudges off the screen.
- Make sure no liquid goes into the gap between the screen and the bezel. Liquids inside the monitor could cause short circuits.



# Table of Contents

Copyright	2
Product support	3
Advanced software	3
Q&A index	4
Safety precautions	6
Cleaning the LCD screen (SW321C only)	9
Using the screen cleaning roller (recommended)	
Using a screen cleaner (purchased separately)	
Getting started	14
Getting to know your monitor	17
Front view	
Back view	17
Input and output ports	18
Connections	19
How to assemble your monitor hardware	21
How to detach the stand and the base	27
Installing shading hood (optional step)	29
Adjusting the monitor height	34
Rotating the monitor	35
Viewing angle adjustment	
Using the monitor wall mounting kit	37
Getting the most from your BenQ monitor	38
Downloading the LCD Monitor driver files from the Internet	38
How to install the monitor on a new computer	39
How to upgrade the monitor on an existing computer	40
How to install on Windows 10 system	41
How to install on Windows 8 (8.1) system	42
How to install on Windows 7 system	43
How to adjust your monitor	44
The control panel	44
Hotkey Puck G2 and its basic operations	
Basic menu operation	47
Customizing the hot keys	48
Working with HDR technology	48
Adjusting the display color	49
Adjusting display mode	50
Choosing an appropriate color mode	50
Displaying two sources at the same time (PIP/PBP)	50

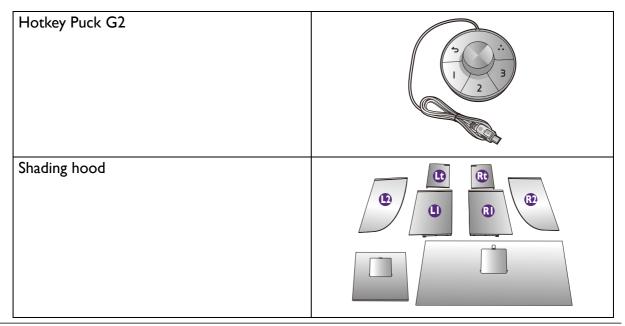
Video source selection in PIP/PBP mode	50
Minimizing the color difference between the screen and the hardcopy (Paper Co	lor Sync) 51
Working with SDI devices	51
Navigating the main menu	52
Display menu	
Color Adjustment menu	
PIP/PBP menu	
System menu	62
Controller Key menu	66
Troubleshooting	68
Frequently asked questions (FAQ)	
Need more help?	

# Getting started

When unpacking please check you have the following items. If any are missing or damaged, please contact the place of purchase for a replacement.

BenQ LCD Monitor	
Monitor Stand	
Monitor Base	
Screen Cleaning Roller (SW321C only)	
Quick Start Guides (SW321C: One copy attached to the monitor screen and the other in the package. SW271C: One copy in the package only.)	Quick Start Guide
Safety Instructions	Safety Instructions

	1
Regulatory Statements	Regulatory Statements
Power Cord (Picture may differ from product supplied for your region.)	
Video Cable: DP (Optional accessory)	
Video Cable: DP to mini DP (Optional accessory)	
Video Cable: HDMI	
Audio Cable (Optional accessory)	
USB Cable: USB-C™  Use of the supplied USB-C™ cable is recommended to ensure data transmission quality.	
USB Cable	





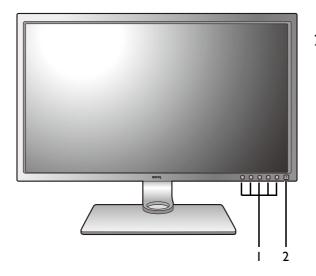
- Available accessories and the pictures shown here may differ from the actual contents and the product supplied for your region. And the package contents may subject to change without prior notice. For cables that are not supplied with your product, you can purchase them separately.
- Consider keeping the box and packaging in storage for use in the future when you may need to transport the monitor. The fitted foam packing is ideal for protecting the monitor during transport.



Always keep the product and accessories out of reach of small children.

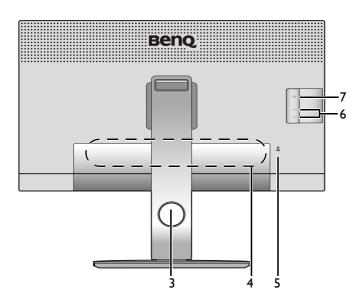
# Getting to know your monitor

## Front view



- I. Control buttons
- 2. Power button

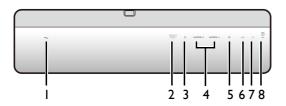
## Back view



- 3. Cable management hole
- 4. Input and output ports
- 5. Kensington lock slot
- 6. USB ports (downstream; connecting to USB devices)
- 7. SD card slot

## Input and output ports

Available input and output ports may vary depending on your purchased model. Check the product specifications on the website for details.



- I. AC power input jack
- 2. Service port
- 3. Hotkey Puck G2 socket
- 4. HDMI socket
- 5. DisplayPort socket
- 6. USB-C™ port
- 7. Headphone jack
- 8. USB port (upstream; connecting to the PC)

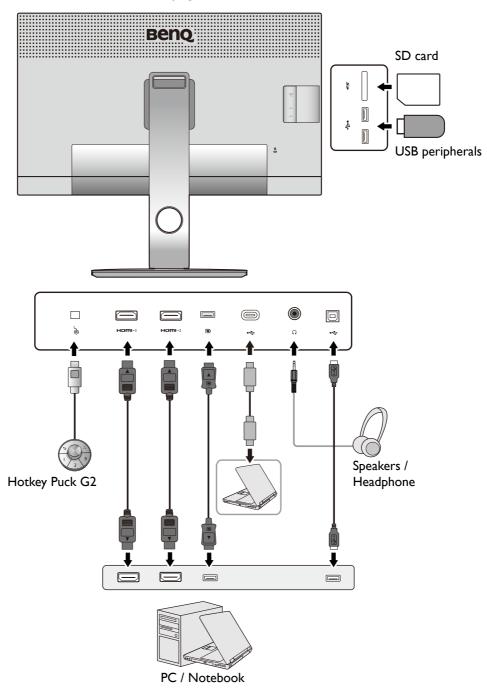


- Depending on the product specifications, the supported resolution and timing may vary.
- Above diagram may vary depending on the model.
- Picture may differ from product supplied for your region.

## **Connections**

The following connection illustrations are for your reference only. For cables that are not supplied with your product, you can purchase them separately.

For detailed connection methods, see page 23 - 24.





Due to USB-C<sup>™</sup> technology limitation, the USB transmission speed is determined only by the selected refresh rate. See for Options for data transfer via USB-C<sup>™</sup> on page 65 more information.

## Power delivery of USB-C<sup>™</sup> port on your monitor

With the power delivery function, your monitor helps supply power to the connected USB-C™ devices.

USB-C™ Power Delivery
5V / 3A
9V / 3A
12V / 3A
15V / 3A
20V / 3A

- A connected device needs to be equipped with a USB-C<sup>™</sup> connector that supports charging function via USB power delivery.
- The connected device can be charged via USB-C<sup>™</sup> port even when the monitor is in power saving mode. (\*)
- The USB power delivery is up to 60W. If the connected device requires more than 60W for operation or for boot up (when the battery is drained), use the original power adapter that came with the device.
- The information is based on the standard testing criteria and is provided for reference. The compatibility is not guaranteed as the user environments vary. If a separately purchased USB-C™ cable is used, make sure the cable is certified by USB-IF and is full-featured, with power delivery and video / audio / data transfer functions.



\*: Charging via USB-C™ in monitor power saving mode is available when the USB-C Awake function is enabled. Go to System > USB-C Awake and select ON.

## How to assemble your monitor hardware



- If the computer is turned on you must turn it off before continuing.

  Do not plug-in or turn-on the power to the monitor until instructed to do so.
- The following illustrations are for your reference only. The location and available input and output jacks may vary depending on the purchased model. Apart from that, printed Quick Start Guide on the monitor screen is available to SW321C only.
- The supported timing may vary by input signal. Download **Resolution file** from the website (see Product support on page 3). Refer to "Preset display modes" in **Resolution file** for more information.



Avoid finger pressure on the screen surface.

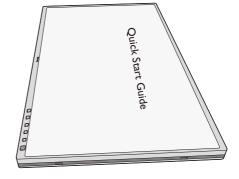
#### I. Attach the monitor base.



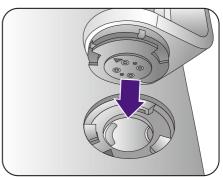
Please be careful to prevent damage to the monitor. Placing the screen surface on an object like a stapler or a mouse will crack the glass or damage the LCD substrate voiding your warranty. Sliding or scraping the monitor around on your desk will scratch or damage the monitor surround and controls.

Protect the monitor and screen by clearing a flat open area on your desk and placing a soft item like the monitor packaging bag on the desk for padding.

(SW321C only) Gently lay the screen face up on a flat clean padded surface so you can follow the instructions printed on the quick start guide.



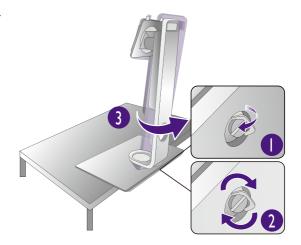
Attach the monitor stand to the monitor base as illustrated. Make sure to align the arrow on the end of the stand to the one on the monitor.



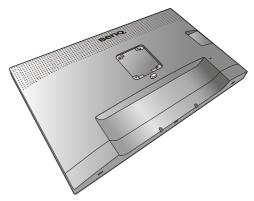
Turn the stand clockwise until you cannot go further.



Tighten the thumbscrew on the bottom of the monitor base as illustrated. And then turn the stand counterclockwise to face forward.



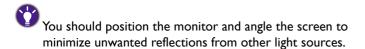
Gently turn the screen over to install the monitor stand arm and base.

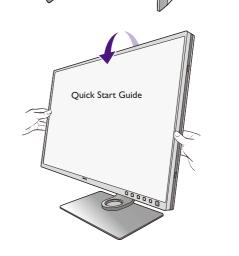


Orient and align the stand arm with the monitor (1), push them together until they click and lock into place (2).

Gently attempt to pull them back apart to check that they have properly engaged.

Carefully lift the monitor, turn it over and place it upright on its stand on a flat even surface.





#### 2. Connect the PC video cable



The video cables included in your package and the socket illustrations on the right may vary depending on the product supplied for your region.

#### To Connect the HDMI Cable

Connect the plug of the HDMI cable to the HDMI port on the monitor. Connect the other end of the cable to the HDMI port of a digital output device.

#### To Connect the DP Cable

Connect the plug of the DP cable to the monitor video socket. Connect the other end of the cable to the computer video socket.



After the monitor and the computer are powered on, if the image is not displayed, disconnect the DP cable. Connect the monitor to any video source other than DP first. Go to **System** and **DP** on the OSD menu of the monitor and change the setting from **1.4** to **1.1**. Once the setting is done, unplug the current video cable and re-connect the DP cable. To go to the OSD menu, see Basic menu operation on page **47**.

#### To Connect the USB-C™ Cable

Connect the plug of the supplied USB- $C^{TM}$  cable to the USB- $C^{TM}$  port on the monitor. Connect the other end of the cable to the USB- $C^{TM}$  port of a laptop. It allows signal, audio, and data transmission from the laptop to the monitor.

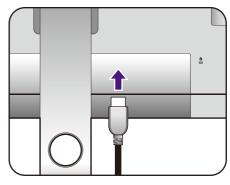


The USB-C<sup>™</sup> port on the monitor supports power delivery. See Power delivery of USB-C<sup>™</sup> port on your monitor on page 20 for more information. If a separately purchased USB-C<sup>™</sup> cable is used, make sure the cable is certified by USB-IF and is full-featured, with power delivery and video / audio / data transfer functions.

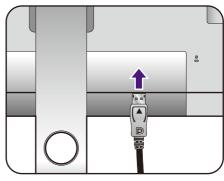


Due to USB-C<sup>™</sup> technology limitation, the USB transmission speed is determined only by the selected refresh rate. See USB-C Configuration on page 64 and Options for data transfer via USB-C<sup>™</sup> on page 65 for more information.

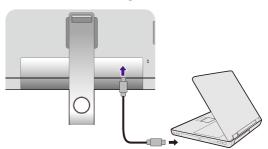
#### Either





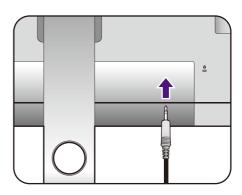






#### 3. Connect the audio cable.

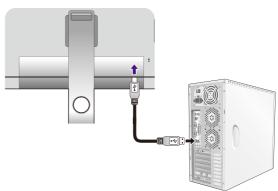
You may connect headphones to the headphone jack found on the back side of the monitor.



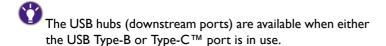
#### 4. Connect USB devices.

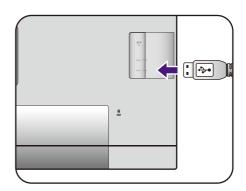
#### To Connect the USB Type-B Cable

Connect the USB cable between the PC and the monitor (via the upstream USB port at the back). This upstream USB port transmits data between the PC and the USB devices connected to the monitor.



Connect USB devices via other USB ports (downstream) on the monitor. These downstream USB ports transmit data between connected USB devices and the upstream port.





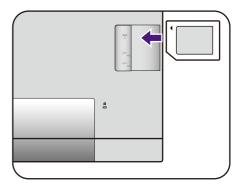
## 5. Connect the memory card.

Insert an SD or MMC memory card following the direction indicated on the card to exchange files.



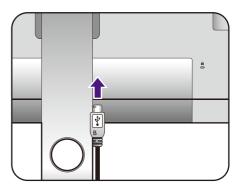
Supported memory card formats are as follows:

- •SD / SDHC / SDXC
- •MMC



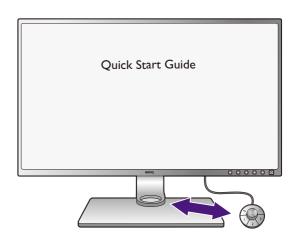
# 6. Connect the Hotkey Puck G2 to the monitor.

Connect the Hotkey Puck G2 to the mini USB port (exclusively for Hotkey Puck connection) on the rear of the monitor.



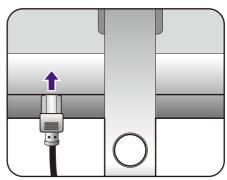
And place the Hotkey Puck G2 on the monitor stand or to another desired place as illustrated.

For more information on Hotkey Puck G2, see Hotkey Puck G2 and its basic operations.



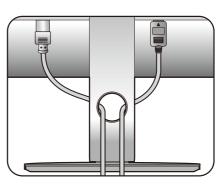
## 7. Connect the power cable to the monitor.

Plug one end of the power cord into the socket labelled on the rear of the monitor. Do not connect the other end to a power outlet just yet.



### 8. Organize the cables.

Route the cables via the cable management hole.



9. (SW321C only) Remove the quick start guide from the screen surface.



## 10.Connect-to and turn-on the power.

Plug the other end of the power cord into a power outlet and turn it on.



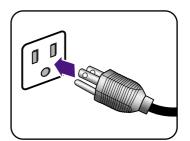
Picture may differ from product supplied for your region.

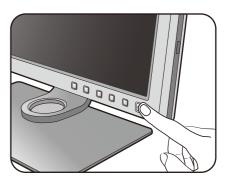
Turn on the monitor by pressing the power button on the monitor.

Turn on the computer too, and follow the instructions in Getting the most from your BenQ monitor on page 38 to install the monitor software.



To extend the service life of the product, we recommend that you use your computer's power management function.





### How to detach the stand and the base

#### 1. Prepare the monitor and area.

Turn off the monitor and the power before unplugging the power cable. Turn off the computer before unplugging the monitor signal cable.

Protect the monitor and screen by clearing a flat open area on your desk and placing a soft item like a towel on the desk for padding, before laying the screen face down on a flat clean padded surface.

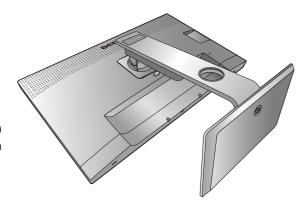


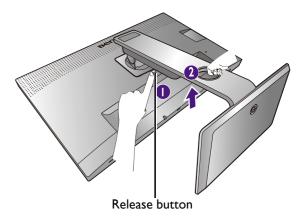
Please be careful to prevent damage to the monitor. Placing the screen surface on an object like a stapler or a mouse will crack the glass or damage the LCD substrate voiding your warranty. Sliding or scraping the monitor around on your desk will scratch or damage the monitor surround and controls.

#### 2. Remove the monitor stand.

While pressing and holding the quick release button

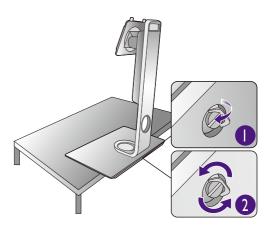
(1), detach the stand from the monitor (2).





#### 3. Remove the monitor base.

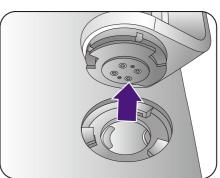
Release the thumbscrew on the bottom of the monitor base.



Turn the stand counterclockwise until you cannot go further.



And then detach the base from the stand.



## Installing shading hood (optional step)



To prevent glare or most of unwanted reflections from other light sources off your screen, you can install the shading hood (provided or purchased separately, depending on the product supplied for your region).



- Please be careful to prevent damage to the shading hood and the monitor. Different pieces of shading hood are well-designed and can fit into your monitor properly. Do not use excessive force when installing the shading hood to avoid possible damage.
- Avoid finger pressure on the screen surface.

You can find the carved arrows on the inner side of some plates. Refer to the installation requirements and the printed marks to prepare the plates needed for landscape and portrait installation separately.

## Landscape installation

Plates required for landscape installation:



top plate

#### 1. Prepare for the shading hood installation.

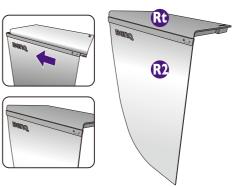
Place the monitor upright on its stand on a flat even surface. Make sure the monitor is rotated to the landscape mode.

Follow the illustrations to complete the installation carefully.



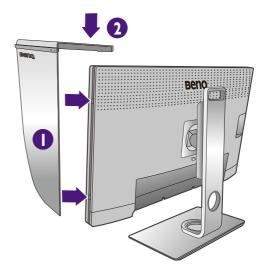
## 2. Install the right hoods.

Align the arrow on plate (Rt) with the one on plate (R2) and attach them together. Slide plate (Rt) to the end as illustrated.



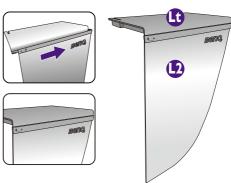
## 3. Attach to the right side of the monitor.

Align the hooks on the hood (plate R2) with the holes on the right side of the monitor, and insert the hooks. After that, press down plate (Rt) to fix it firmly.



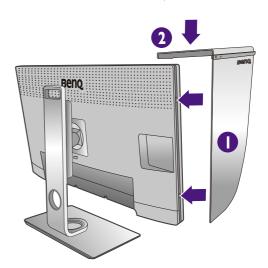
#### 4. Install the left hoods.

Align the arrow on plate (Lt) with the one on plate (L2) and attach them together. Slide plate (Lt) to the end as illustrated.



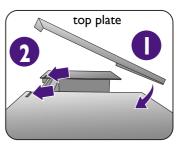
#### 5. Attach to the left side of the monitor.

Align the hooks on the hood (plate L2) with the holes on the left side of the monitor, and insert the hooks. After that, press down plate (Lt) to fix it firmly.



#### 6. Install the top plate.

Hook the top plate on plate (R2) and plate (L2) as illustrated, and insert the top plate to the notch on the top of the other plates.



7. If you intend to calibrate the display's color by a colorimeter, slide to open the cover on the top plate so the colorimeter can be installed.



Follow the instruction manuals of the colorimeter you purchased and the provided software (e.g., **Palette Master Element**) to complete the installation and calibration process.



#### Portrait installation

Plates required for portrait installation:



#### 1. Prepare for the shading hood installation.

Place the monitor upright on its stand on a flat even surface. Make sure the monitor is rotated to the portrait mode as instructed in Rotating the monitor on page 35.

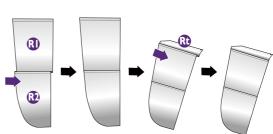
Follow the illustrations to complete the installation carefully.



## 2. Install the right hoods.

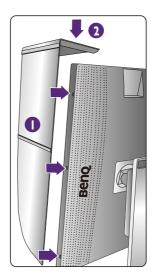
Align the arrow on plate (R1) with the one on plate (R2) and attach them together. Slide plate (R2) to the end as illustrated.

Align the arrow on plate (Rt) with the one on plate (R1) and attach them together. Slide plate (R1) along with plate (R2) to the end as illustrated.



#### 3. Attach to the right side of the monitor.

Align the hooks on the hood with the holes on the right side of the monitor, and insert the hooks. After that, press down plate (Rt) to fix it firmly.



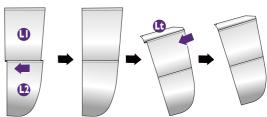
#### 4. Install the left hoods.

Align the arrow on plate (L1) with the one on plate (L2) and attach them together. Slide plate (L2) to the end as illustrated.

Align the arrow on plate (Lt) with the one on plate (L1) and attach them together. Slide plate (L1) along with plate (L2) to the end as illustrated.

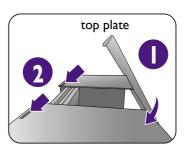


Align the hooks on the hood with the holes on the left side of the monitor, and insert the hooks. After that, press down plate (Lt) to fix it firmly.



#### 6. Install the top plate.

Hook the top plate on plate (R2) and plate (L2) as illustrated, and the top plate to the notch on the top of the other plates.

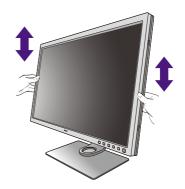


- 7. If you intend to calibrate the display's color by a colorimeter, slide to open the cover on the top plate so the colorimeter can be installed.
- Follow the instruction manuals of the colorimeter you purchased and the provided software (e.g., Palette Master Element) to complete the installation and calibration process.



## Adjusting the monitor height

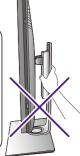
To adjust the monitor height, hold both the left and the right sides of the monitor to lower the monitor or lift it up to the desired height.





 Avoid placing hands on the upper or lower part of the height-adjustable stand or at the bottom of the monitor, as ascending or descending monitor might cause personal injuries. Keep children out of reach of the monitor while performing this operation.





• If the monitor has been rotated to portrait mode and height adjustment is desired, you should be noted that the wide screen will keep the monitor from being lowered to its minimum height. Pay attention not to hit the Hotkey Puck G2.



## Rotating the monitor



Rotate the monitor before installing the shading hood. See Portrait installation on page 31 for more information.

#### I. Pivot the OSD menu.

Go to **System > Auto Pivot > ON** to rotate the OSD menu automatically as the monitor is rotated. See Auto Pivot on page 64 for more information.

#### 2. Pivot the display.

Before rotating the monitor with a portrait viewing orientation, the display has to be rotated 90 degrees.

Right-click the desktop and select **Screen resolution** from the popup menu. Select **Portrait** in **Orientation**, and apply the setting.

Depending on the operating system on your PC, different procedures should be followed to adjust the screen orientation. Refer to the help document of your operating system for details.

#### 3. Fully extend the monitor and tilt it.

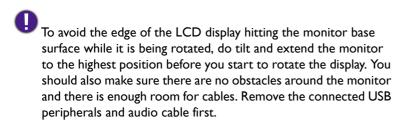
Gently lift the display up and extend it to the maximum extended position. Then tilt the monitor.



The monitor should be vertically extended to allow to rotate from landscape to portrait mode.



# 4. Rotate the monitor 90 degrees clockwise as illustrated.





5. Adjust the monitor to the desired viewing angle.



## Viewing angle adjustment

You may position the screen to the desired angle with monitor tilt, swivel, and height adjustment functions. Check the product specifications on the website for details.







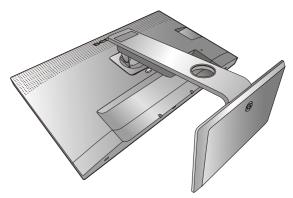
## Using the monitor wall mounting kit

The back of your LCD monitor has a VESA standard mount with 100mm pattern, allowing the installation of a wall mount bracket. Before starting to install a monitor wall mounting kit, please read the precautions carefully.

#### **Precautions**

- •Install your monitor and monitor mounting kit on a wall with flat surface.
- •Ensure that the wall material and the standard wall mount bracket (purchased separately) are stable enough to support the weight of the monitor. Refer to the product specifications on the website for weight information.
- •Turn off the monitor and the power before disconnecting the cables from the LCD monitor.
- I. Remove the monitor stand.

Lay the screen face down on a clean and well-padded surface. Detach the monitor stand as instructed in step  $1\sim2$  in How to detach the stand and the base on page 27.

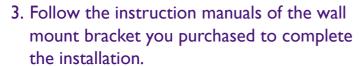


2. Remove the screws on the back cover.

Use a cross-pointed screwdriver to release the screws on the back cover. The use of a magnetic-head screwdriver is recommended to avoid of losing the screws.

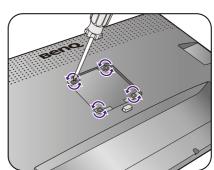


In case you intend to use your monitor on the stand in the future, please keep the monitor base, monitor stand, and screws somewhere safe for future use.





Use four M4  $\times$  10 mm screws to fix a VESA standard wall mount bracket to the monitor. Make sure that all screws are tightened and secured properly. Consult a professional technician or BenQ service for wall mount installation and safety precautions.



## Getting the most from your BenQ monitor

To gain the most benefit from your new BenQ LCD monitor, you should install the custom BenQ LCD Monitor driver software as provided on the local website. See Downloading the LCD Monitor driver files from the Internet on page 38 for details.

The circumstances under which you connect and install your BenQ LCD Monitor will determine which process you need to follow to successfully install the BenQ LCD Monitor driver software. These circumstances relate to which version of Microsoft Windows you are using, and whether you are connecting the monitor and installing the software onto a new computer (without existing monitor driver software), or whether you are upgrading an existing installation (which already has existing monitor driver software) with a newer monitor.

In either case however, the very next time you turn on your computer (after connecting the monitor to your computer), Windows will automatically recognize the new (or different) hardware, and will launch its **Found New Hardware wizard**.

Follow the wizard instructions. Further details and step-by-step instructions for either an automatic (new) or upgrade (existing) installation, see:

- How to install the monitor on a new computer on page 39.
- How to upgrade the monitor on an existing computer on page 40.



- If you require a User Name and Password to login to your Windows computer, you must be logged on as an Administrator or as a member of the Administrators group in order to install the monitor driver software. Furthermore, if your computer is connected to a network which has security access requirements, network policy settings may prevent you from installing software on your computer.
- To check the name of the purchased model, refer to the specification label on the back of the monitor.

## Downloading the LCD Monitor driver files from the Internet

- I. Download the correct driver files from Support.BenQ.com.
- 2. On your computer, have your driver files extracted into an empty folder. Remember the file location the files are extracted to.

## How to install the monitor on a new computer

This instruction details the procedure for selecting and installing the BenQ LCD Monitor driver software on a new computer which has never had a monitor driver installed before. This instruction is only suitable for a computer which has never been used before, and for which the BenQ LCD Monitor is the first ever monitor to be connected to it.



If you are adding the BenQ LCD Monitor to an existing computer that has already had another monitor connected to it (and has monitor driver software installed), you should not be following these instructions. You should instead be following the instructions for How to upgrade the monitor on an existing computer.

- Follow the instructions in How to assemble your monitor hardware on page 21.
   When Windows starts, it will automatically detect the new monitor and launch the Found New Hardware Wizard. Follow the prompts until it displays the option to Install Hardware Device Drivers.
- 2. Check Search for a suitable driver for my device option, and click Next.
- 3. Look to confirm that the wizard has selected the correct name of your monitor and click **Next**.
- 4. Click Finish.
- 5. Restart the computer.

## How to upgrade the monitor on an existing computer

This instruction details the procedure for manually updating the existing monitor driver software on your Microsoft Windows computer. It is currently tested as compatible for Windows 10, Windows 8 (8.1), and Windows 7 Operating System (OS).



The BenQ LCD Monitor driver for your model may well function perfectly with other versions of Windows, however, as at the time of writing, BenQ has done no testing of this driver on other versions of Windows and cannot guarantee its operation on those systems.

Installing monitor driver software involves selecting an appropriate information file (.inf) from the downloaded driver files for the particular model monitor you have connected, and letting Windows install the corresponding driver files. You need only steer it in the right direction. Windows has an Upgrade Device Driver Wizard to automate the task and guide you through the file selection and installation process.

#### See:

- How to install on Windows 10 system on page 41
- How to install on Windows 8 (8.1) system on page 42
- How to install on Windows 7 system on page 43.

## How to install on Windows 10 system

I. Open Display Properties.

Go to **Start**, **Settings**, **Devices**, **Devices and Printers** and right-click the name of your monitor from the menu.

- 2. Select **Properties** from the menu.
- 3. Click the **Hardware** tab.
- 4. Click **Generic PnP Monitor**, and then the **Properties** button.
- 5. Click the **Driver** tab and the **Update Driver** button.
- 6. In the **Update Driver Software** window, select the option **Browse my computer for** driver software.
- 7. Click **Browse** and locate the driver files downloaded from the Internet as instructed in Downloading the LCD Monitor driver files from the Internet on page 38.
- 8. Click Close.

You may be prompted to restart your computer after the driver update is complete.

## How to install on Windows 8 (8.1) system

I. Open Display Properties.

Move the cursor to the lower-right of the screen or press the **Windows** + **C** buttons on the keyboard to bring up the **Charm** bar. Go to **Settings**, **Control Panel**, **Devices and Printers** and right-click the name of your monitor from the menu.

Alternatively, right-click the desktop and select **Personalize**, **Display**, **Devices and Printers**, and right-click the name of your monitor from the menu.

- 2. Select **Properties** from the menu.
- 3. Click the Hardware tab.
- 4. Click **Generic PnP Monitor**, and then the **Properties** button.
- 5. Click the **Driver** tab and the **Update Driver** button.
- 6. In the **Update Driver Software** window, select the option **Browse my computer for** driver software.
- 7. Click **Browse** and locate the driver files downloaded from the Internet as instructed in Downloading the LCD Monitor driver files from the Internet on page 38.
- 8. Click Close.

You may be prompted to restart your computer after the driver update is complete.

## How to install on Windows 7 system

I. Open Display Properties.

Go to **Start**, **Control Panel**, **Hardware and Sound**, **Devices and Printers** and right-click the name of your monitor from the menu.

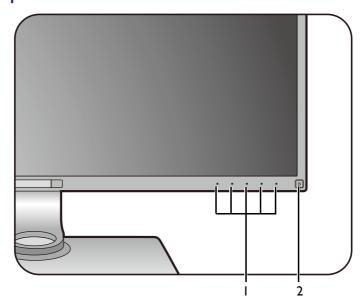
Alternatively, right-click the desktop and select **Personalize**, **Display**, **Devices and Printers**, and right-click the name of your monitor from the menu.

- 2. Select **Properties** from the menu.
- 3. Click the **Hardware** tab.
- 4. Click Generic PnP Monitor, and then the Properties button.
- 5. Click the **Driver** tab and the **Update Driver** button.
- 6. In the **Update Driver Software** window, select the option **Browse my computer for** driver software.
- 7. Click **Browse** and locate the driver files downloaded from the Internet as instructed in Downloading the LCD Monitor driver files from the Internet on page 38.
- 8. Click Close.

You may be prompted to restart your computer after the driver update is complete.

# How to adjust your monitor

## The control panel



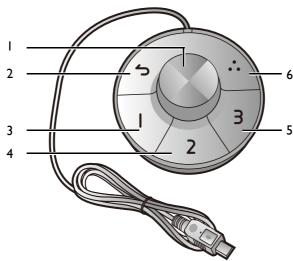
No.	Name	Description
1.	Control keys	Accesses the functions or menu items displayed on the screen, right next to each key.
2.	Power key	Turns the power on or off.

## Hotkey Puck G2 and its basic operations

Apart from the control keys, Hotkey Puck G2 also provides a quick way to control and access the OSD menu.



- You need to connect the Hotkey Puck G2 to your monitor prior to use. Follow the instructions in Connect the Hotkey Puck G2 to the monitor. on page 24.
- Hotkey Puck G2 is designed for BenQ LCD Monitor exclusively and is available for compatible models only. Do not connect it to other devices with mini USB ports.



No.	Name	Description
I	Dial key	(If no menu is displayed)
		<ul> <li>Turn right or left to adjust Brightness by default. To change the default settings, press and hold for 3 seconds to bring up the setup menu to change the default setting. Alternatively, go to Controller Key &gt; Controller Key Dial on the monitor.</li> </ul>
		Press to bring up the main menu.
		(On a menu)
		Turn right to scroll down the menu.
		Turn left to scroll up the menu.
		Press to confirm the selection.
		(If a control bar is displayed)
		Turn right to increase the value.
		Turn left to decrease the value.
2	Return key	Returns to the previous menu.
		• Exits OSD menu.
3	Controller Key I	Press to switch to Adobe RGB (Color Mode) by default.
		<ul> <li>Press and hold for 3 seconds to bring up the setup menu to change the default setting. Alternatively, see Customizing the Controller Keys on Hotkey Puck G2 on page 46.</li> </ul>

No.	Name	Description
4	Controller Key 2	• Press to switch to <b>sRGB</b> (Color Mode).
		<ul> <li>Press and hold for 3 seconds to bring up the setup menu to change the default setting. Alternatively, see Customizing the Controller Keys on Hotkey Puck G2 on page 46.</li> </ul>
5	Controller Key 3	• Press to switch to <b>B+W</b> ( <b>Color Mode</b> ).
		<ul> <li>Press and hold for 3 seconds to bring up the setup menu to change the default setting. Alternatively, see Customizing the Controller Keys on Hotkey Puck G2 on page 46.</li> </ul>
6	Rotation Key	Press repeatedly to cycle through available settings.
		<ul> <li>Press and hold for 3 seconds to bring up the setup menu to change the default setting. Alternatively, go to Controller Key &gt; Rotation Key on the monitor.</li> </ul>

## Customizing the Controller Keys on Hotkey Puck G2

Keys on the Hotkey Puck G2 are designated for particular functions. You can change the default settings as desired.

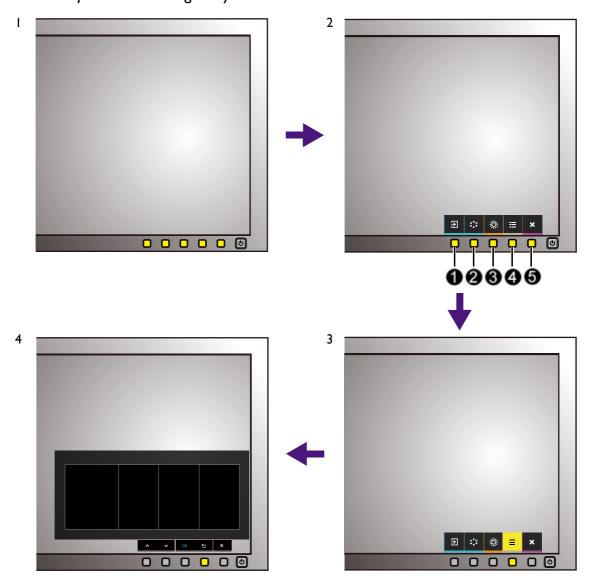
- 1. Press any of the control keys to bring up the hot key menu.
- 2. Select (Menu) to access the main menu.
- 3. Go to Controller Key.
- 4. Select Controller Key 1, 2, 3.
- 5. On the sub menu, select a category.
- 6. Under the category, check to select up to 3 items for quick access by the Controller Keys on Hotkey Puck G2. The numbers displayed by the chosen items refer to the Controller Keys that the options are assigned to.



Alternatively, press and hold a key on the Hotkey Puck G2 for 3 seconds to bring up the setup menu to change the default setting.

## Basic menu operation

All OSD (On Screen Display) menus can be accessed by the control keys. You can use the OSD menu to adjust all the settings on your monitor.



- I. Press any of the control keys.
- 2. The hot key menu is displayed. The left three controls are custom keys and are designated for particular functions.
- 3. Select (Menu) to access the main menu.
- 4. In the main menu, follow the icons next to the control keys to make adjustments or selection. See Navigating the main menu on page 52 for details on the menu options.

No.	OSD in hot key menu	OSD icon in main menu	Function
0	Custom Key 1	^	<ul> <li>By default, the key is the hot key for Input. To change the default settings, see Customizing the hot keys on page 48.</li> <li>For Up/Increase adjustment.</li> </ul>

No.	OSD in hot key menu	OSD icon in main menu	Function
2	Custom Key 2	<b>&gt;</b>	<ul> <li>By default, the key is the hot key for Color Mode. To change the default settings, see Customizing the hot keys on page 48.</li> <li>For Down/Decrease adjustment.</li> </ul>
8	Custom Key 3	<b>→</b> / OK	<ul> <li>By default, the key is the hot key for Brightness. To change the default settings, see Customizing the hot keys on page 48.</li> <li>Enters sub menus.</li> </ul>
			Selects menu items.
4	Menu	₽	<ul><li>Activates the main menu.</li><li>Returns to the previous menu.</li></ul>
0	Exit	×	Exits OSD menu.



- OSD = On Screen Display.
- The hot keys only operate while the main menu is not currently displaying. Hot key displays will disappear after a few seconds of no key activity.
- To unlock the OSD controls, press and hold any key for 10 seconds.

## Customizing the hot keys

The left 3 control keys (also called custom keys) perform as hot keys to provide direct access to pre-defined functions. You can change the default setting and designate different functions for these keys.

- 1. Press any of the control keys to bring up the hot key menu. Select (Menu) to access the main menu.
- 2. Go to **System**.
- 3. Select the custom key you want to change.
- 4. In the sub menu, select a function that can be accessed by this key. A pop-up message will appear, showing that the setup is complete.



Apart from the control keys on the monitor, the controller key 1/2/3 on the Hotkey Puck G2 work as hot keys as well. Press and hold one of the controller key (1/2/3) for 5 seconds to bring up a list of options, select another feature of setup menu by pressing  $\triangle$  or  $\nabla$ , and confirm with  $\nabla K$ . See Customizing the Controller Keys on Hotkey Puck G2 on page 46 for more information.

## Working with HDR technology



- Your monitor supports HDR10 and HLG technologies.
- The information regarding HDR-compatible devices and content in this document is most up-to-date at the time of publication. For the latest information, contact your device manufacturer and content provider.

To enable HDR function, you need to have a compatible player and content.

I. Make sure a 4K HDR player is ready. Players with the following names and resolutions are supported.

Commonly used names for 4K (may vary by manufacturer)	4K, 4K Ultra HD, UHD, UHD 4K, Ultra HD, 2160p
Supported resolution or modes	3840 x 2160 @ 60 Hz
Commonly used names for HDR10 (may vary by manufacturer)	HDR Premium, High Dynamic Range, HDR, Ultra HD Premium
Commonly used name for HLG (may vary by manufacturer)	Hybrid Log Gamma

- 2. Make sure HDR content is available. Content may come from 4K UHD (Blue-Ray) or new HDR games on Xbox One S and PS4 Pro.
- 3. Make sure the player and the monitor have been connected via an appropriate cable:
  - the provided HDMI / DP / DP to mini DP cable / USB-C<sup>™</sup> cable (if available)
  - an HDMI cable that is HDMI High Speed or HDMI Premium certified (for models with HDMI inputs)
  - a DP / DP to mini DP cable that is DisplayPort compliance certified (for models with DP inputs)
  - a certified USB-C<sup>™</sup> cable with DisplayPort Alternate Mode capability (for models with USB-C<sup>™</sup> inputs)

#### **Enabling HDR function**

If the instructions in Working with HDR technology on page 48 are followed and the input content is HDR-compatible, the OSD message HDR: On is displayed on the screen. This means your content player and content are HDR-compatible and the HDR function is properly enabled. Depending on the input signal, the monitor detects whether it is HDR10 or HLG content and process the content properly.

If the connection is complete and no OSD message is displayed, this means the content player and/or the content are not HDR-compatible. The monitor stays to the color mode recently chosen for non-HDR content.

## Adjusting the display color

To adjust the display color, you can do one of the following:

- Apply the standard color setting from Color Adjustment > Color Mode.
- Change the display and color settings manually from the related OSD menus. Depending on the Color Mode you just set, the available options for color adjustment may vary.
   Once the adjustment is done, you can save the customized settings from Color Adjustment > Save Color Settings.
- Use a colorimeter (purchased separately) to work with the provided software named Palette
  Master Element and optimized the display color. Visit the website for software download and
  more information (Palette Master Element How-to-Use Guide). See Advanced software on
  page 3.
- To apply the calibrated result, go to Color Adjustment > Color Mode > calibration modes.

## Adjusting display mode

To display images of aspect ratio other than 16:9 and size other than the panel size of your purchased model, you can adjust the display mode on the monitor.

- 1. Press any of the control keys to bring up the hot key menu. Select (Menu) to access the main menu.
- 2. Go to Display and Aspect Ratio.
- 3. Select an appropriate display mode. The setting will take effect immediately.

## Choosing an appropriate color mode

Your monitor provides various color modes that are suitable for different types of images. See Color Mode on page 56 for all the available color modes.

Go to Color Adjustment and Color Mode for a desired color mode.



- Recommended mode for photo editing: Adobe RGB.
- Recommended modes for video editing: Rec. 709, DCI-P3, or HDR. To enable HDR, see Working with HDR technology on page 48.

## Displaying two sources at the same time (PIP/PBP)

To display two input sources on the screen at the same time, you can go for Picture-in-Picture (PIP) or Picture-by-Picture (PBP) mode.

Set the mode first from Mode on page 60, and select inputs for the main and the second sources as described in Video source selection in PIP/PBP mode on page 50. You can apply different color settings to the main and the second sources. To adjust color settings of the main source, go to Color Adjustment menu on page 55. To adjust the color settings of the second source, go to PIP/PBP menu on page 60.

## Video source selection in PIP/PBP mode

Your monitor scans for the available video sources in the following order: HDMI, DP, and USB-C™, and displays the first available one. This video source will become the main source in PIP/PBP mode. You will need to decide the second source for PIP/PBP mode from the menu in PIP/PBP Source on page 61. Menu options that are not available will become grayed out.

Refer to the following table to find your main source and its supporting second sources.

		Possible second sources			
	Inputs	HDMI-I	HDMI-2	DP	USB-C™
	HDMI-I	٧	٧	٧	٧
Main source	HDMI-2	٧	٧	٧	V
Thain source	DP	٧	٧	٧	V
	USB-C™	٧	٧	٧	٧

## Minimizing the color difference between the screen and the hardcopy (Paper Color Sync)

Your monitor features Paper Color Sync technology that helps minimize the color difference between the monitor and the hardcopy printed by the connected printer. Once the printing result is predictable on the screen, you can retouch the image efficiently.

No additional software is required if you are working exactly with the following:

- Printer: Canon PIXMA PRO-10
- Paper: Canon Photo Paper Pro Luster
- Color gamut of the image to be printed: sRGB (the information is usually available in the image properties)
- 1. Make sure the specified printer, paper, and the images are ready. If you cannot meet the above requirements, you will need the software solution Paper Color Sync, which supports more printers, papers, and color gamuts. See Advanced software on page 3 for more information.
- 2. Go to Color Adjustment and Color Mode.
- 3. Select Paper Color Sync. And then you can retouch the images as desired or print the images.

## Working with SDI devices

Your monitor is compatible with certain SDI to HDMI converters and SDI captures cards, which allows you to connect with an SDI device and view ultra HD videos on the monitor. To find out the compatible converters and capture cards, visit www.BenQ.com, find the Overview of your monitor model, and look for the compatibility list in the SDI feature introduction.

## Navigating the main menu

You can use the OSD (On Screen Display) menu to adjust all the settings on your monitor.

Press any of the control keys to bring up the hot key menu. Select (Menu) to access the main menu. See Basic menu operation on page 47 for details.

Available menu options may vary depending on the input sources, functions and settings. Menu options that are not available will become grayed out. And keys that are not available will be disabled and the corresponding OSD icons will disappear. For models without certain functions, their settings and related items will not appear on the menu.



The OSD menu languages may differ from the product supplied to your region, see Language on page 63 under **System** and **OSD Settings** for more details.

For more information on each menu, please refer to the following pages:

- Display menu on page 53
- Color Adjustment menu on page 55
- PIP/PBP menu on page 60
- System menu on page 62
- Controller Key menu on page 66

## Display menu

Available menu options may vary depending on the input sources, functions and settings. Menu options that are not available will become grayed out. And keys that are not available will be disabled and the corresponding OSD icons will disappear. For models without certain functions, their settings and related items will not appear on the menu.



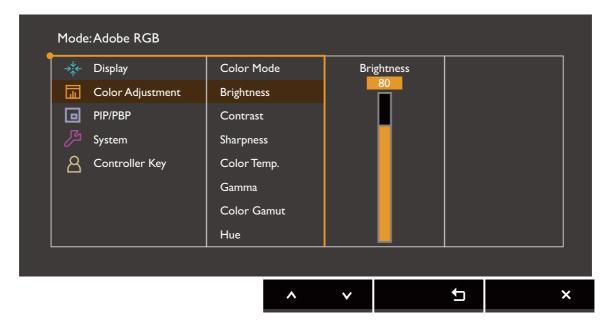
- I. Select (Menu) from the hot key menu.
- 2. Use  $\wedge$  or  $\vee$  to select **Display**.
- 3. Select  $\rightarrow$  to go to a sub menu, and then use  $\land$  or  $\lor$  to select a menu item.
- 4. Use  $\Lambda$  or V to make adjustments, or use OK to make selection.
- 5. To return to the previous menu, select  $\Box$ .
- 6. To exit the menu, select  $\times$ .

ltem	Function	Range
Input	Use this to change the input to that appropriate to your video cable connection type.	• HDMI-1 • HDMI-2 • DP • USB-C

ltem		Range	
Aspect Ratio	This feature is to be displayed		
	Full	Scales the input image to fill the screen. Ideal for 16:9 aspect images.	
	Aspect	The input image is displayed without geometric distortion filling as much of the display as possible.	
	1:1	Displays the input image in its native resolution without scaling.	

## Color Adjustment menu

Available menu options may vary depending on the input sources, functions and settings. Menu options that are not available will become grayed out. And keys that are not available will be disabled and the corresponding OSD icons will disappear. For models without certain functions, their settings and related items will not appear on the menu.



- I. Select (Menu) from the hot key menu.
- 2. Use  $\wedge$  or  $\vee$  to select Color Adjustment.
- 3. Select  $\rightarrow$  to go to a sub menu, and then use  $\land$  or  $\lor$  to select a menu item.
- 4. Use  $\wedge$  or  $\vee$  to make adjustments, or use  $^{\circ K}$  to make selection.
- 5. To return to the previous menu, select  $\ \ \ \ \ \$
- 6. To exit the menu, select  $\times$ .

ltem		Function	Range
Color Mode	Select a colo on the scree	r mode that best suits the type of images shown n.	
	Adobe RGB	For better color matching representation with Adobe® RGB compatible peripherals.	
	sRGB	For better color matching representation with sRGB compatible peripherals.	
	B+W	Applies a black and white theme.	• Level 1 • Level 2 • Level 3
	Rec. 709	For better color matching representation with Standard Rec. 709.	
	DCI-P3	For better color matching representation with Standard DCI-P3.	
	Display P3	For better color matching representation with Standard Display-P3.	
	M-book	Minimizes the visual differences between the monitor and the connected MacBook series product.	
	HDR	For better color matching representation with High Dynamic Range (HDR) technology.	
	DICOM	For viewing DICOM images. It is recommended for displaying medical images.  DICOM as the abbreviation of Digital Imaging and Communications in Medicine is a standard for handling, storing, printing, and transmitting medical images.	
	Paper Color Sync	Minimizes the color difference between the monitor and the hardcopy. It works with the <b>Paper Color Sync software</b> to simulate the display colors with the selected printers and paper stocks. See Minimizing the color difference between the screen and the hardcopy (Paper Color Sync) on page 51 for more information.	

ltem		Range	
	Calibration 1 Calibration 2	Applies the calibration result optimized by the provided calibration software named Palette Master Element and your colorimeter (purchased separately). Visit the website for	
	Calibration 3	software download and more information (Palette Master Element How-to-Use Guide). See Advanced software on page 3.	
	Custom	Applies a combination of color settings defined by users.	
Brightness	Adjusts the b	palance between light and dark shades.	0 to 100
Contrast	Adjusts the dightness.	degree of difference between darkness and	0 to 100
Sharpness	Adjusts the o	larity and visibility of the edges of the subjects in	0 to 10
Color Temp.	5000K	Applies a color tint (cool or warm) to the	
	6500K	image. Color temperature is measured in K (Kelvin) degrees. The display becomes reddish	
	9300K	if the color temperature is low, and becomes bluish if the color temperature is high.  Some color gradations may not be displayed well if this the setting has been adjusted.	
	Custom	Allows to adjust color temperature by 100K.	5000K ~ 9300K
	User Define	The blend of the Red, Green and Blue primary colors can be altered to change the color tint of the image. Go to the succeeding R (red), G (green), and B (blue) menus to change the settings.  Decreasing one or more of the colors will reduce their respective influence on the color tint of the image. (e.g. if you reduce the Blue level the image will gradually take on a yellowish tint. If you reduce Green, the image will become a magenta tint.)	• R (0~100) • G (0~100) • B (0~100)
Gamma	Adjusts the t	one luminance.	•1.6 •1.8 •2.0 •2.2 •2.4 •2.6 •sRGB

ltem		Function	Range
Color Gamut	Adobe RGB	Suitable for Adobe® RGB compatible peripherals.	
	sRGB	Suitable for sRGB compatible peripherals.	
	Rec. 709	For better color matching representation with Standard Rec. 709.	
	DCI-P3	For better color matching representation with Standard DCI-P3.	
Hue	Adjusts the	degree of how we perceive colors.	•R
			•G
	Some cole	•B	
	has been	• C	
		• M • Y	
Saturation	Adjusts the purity degree of colors.		•R
outur atron	/ tajasts the p	• G	
		•B	
	Some colo	•c	
		• M	
		•Y	
Black Level	Adjusts the I	uminance of the dark areas in an image.	0~10
Save Color Settings	Saves a new set of customized color settings.		Custom Mode
Reset Color	Resets the custom color settings to the factory defaults.		•YES
			•NO

## Available menu options to each color mode

Depending on the **Color Mode** you just set, the available options for color adjustment may vary. Color modes and the available display options are as follows:

	Settings								
Color Mode	Brightness	Contrast	Sharpness	Color Temp.	Gamma	Color Gamut	Hue	Saturation	Black Level
Adobe RGB	٧	٧	٧	5000K / 6500K	2.2	Adobe RGB	N/A	N/A	٧
sRGB	٧	٧	٧	5000K / 6500K	2.2 / sRGB	sRGB	N/A	N/A	٧
B+W (*)	٧	٧	٧	N/A	N/A	N/A	N/A	N/A	N/A
Rec. 709	٧	٧	٧	6500K	2.2 / 2.4	Rec. 709	N/A	N/A	N/A
M-book	٧	٧	٧	N/A	N/A	N/A	N/A	N/A	N/A

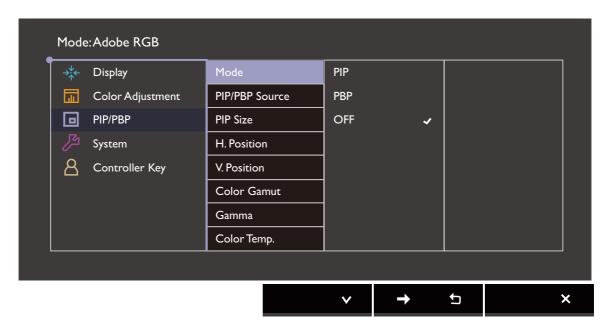
					Settings				
Color Mode	Brightness	Contrast	Sharpness	Color Temp.	Gamma	Color Gamut	Hue	Saturation	Black Level
DCI-P3	٧	٧	٧	N/A	2.2 / 2.4 / 2.6	DCI-P3	N/A	N/A	N/A
Display-P3	٧	٧	٧	6500K	sRGB	DCI-P3	N/A	N/A	N/A
DICOM	٧	٧	٧	N/A	N/A	N/A	N/A	N/A	N/A
HDR	٧	٧	٧	N/A	N/A	N/A	N/A	٧	N/A
Calibration I	N/A	N/A	٧	N/A	N/A	N/A	٧	٧	N/A
Calibration 2	N/A	N/A	٧	N/A	N/A	N/A	٧	٧	N/A
Calibration 3	N/A	N/A	٧	N/A	N/A	N/A	٧	٧	N/A
Custom	٧	٧	٧	٧	٧	٧	٧	٧	٧
Paper Color Sync	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



- V: all options are available for adjustment.
   N/A: all options are not available for adjustment.
- \*: 3 levels are provided for adjustment.

#### PIP/PBP menu

Available menu options may vary depending on the input sources, functions and settings. Menu options that are not available will become grayed out. And keys that are not available will be disabled and the corresponding OSD icons will disappear. For models without certain functions, their settings and related items will not appear on the menu.



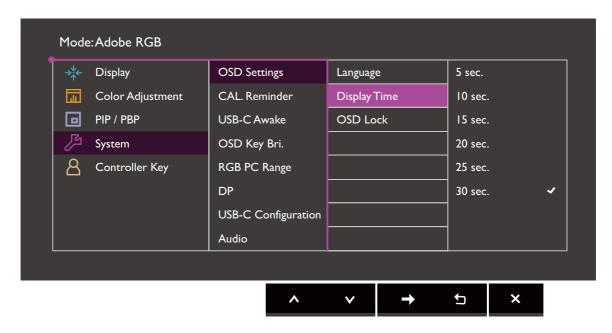
- I. Select (Menu) from the hot key menu.
- 2. Use  $\wedge$  or  $\vee$  to select PIP/PBP.
- 3. Select  $\rightarrow$  to go to a sub menu, and then use  $\land$  or  $\lor$  to select a menu item.
- 4. Use  $\wedge$  or  $\vee$  to make adjustments, or use  $^{\circ K}$  to make selection.
- 5. To return to the previous menu, select  $\stackrel{\mbox{\scriptsize $\Box$}}{}$  .
- 6. To exit the menu, select X.

ltem		Range	
Mode		or PBP mode. Pictures from two independent s are displayed on the screen at the same time.	
	PIP	The Picture-in-Picture (PIP) mode displays the main video source on the screen while the second source in an inset window (sub window).	
	PBP	Allows to display images from two different video sources side-by-side.	
	OFF	Disables PIP/PBP mode.	

ltem	Function	Range
PIP/PBP Source	Sets the second video source for the PIP/PBP mode.	• HDMI-1 • HDMI-2 • DP • USB-C
PIP Size	Determines the size of the inset window in the PIP mode.	Small     Medium     Large
H. Position	Adjusts the horizontal position of the inset window in the PIP mode.	0~100
V. Position	Adjusts the vertical position of the inset window in the PIP mode.	0~100
Color Gamut	Reproduces the color gamut set by specified standards of the inset window in PBP mode.	• Adobe RGB • sRGB • Rec. 709 • DCI-P3
Gamma	Adjusts the tone luminance of the inset window in PBP mode.	•1.6 •1.8 •2.0 •2.2 •2.4 •2.6 •sRGB
Color Temp.	Applies a color tint (cool or warm) to the image of the inset window in PBP mode. Color temperature is measured in K (Kelvin) degrees. The display becomes reddish if the color temperature is low, and becomes bluish if the color temperature is high.	• 5000K • 6500K • 9300K
Contrast	Adjusts the contrast of the inset window (sub window) in the PIP/PBP mode.	0~100
Sharpness	Adjusts the sharpness of the inset window (sub window) in the PIP/PBP mode.  To adjust the contrast and the sharpness of the main source, go to the Color Adjustment menu. See page 57 for more information.	0~10

## System menu

Available menu options may vary depending on the input sources, functions and settings. Menu options that are not available will become grayed out. And keys that are not available will be disabled and the corresponding OSD icons will disappear. For models without certain functions, their settings and related items will not appear on the menu.



- I. Select (Menu) from the hot key menu.
- 2. Use  $\wedge$  or  $\vee$  to select **System**.
- 3. Select  $\rightarrow$  to go to a sub menu, and then use  $\land$  or  $\lor$  to select a menu item.
- 4. Use  $\Lambda$  or V to make adjustments, or use  ${}^{OK}$  to make selection.
- 5. To return to the previous menu, select  $\ ^{\ \ }$  .
- 6. To exit the menu, select X.

ltem		Function	Range
OSD Settings	Language	Sets the OSD menu language.	• English
			<ul> <li>Français</li> </ul>
		The language options displayed on your OSD may differ from those shown on the right,	• Deutsch
		depending on the product supplied in your	• Italiano
		region.	• Español
			• Polski
			• Česky
			• Magyar
			• Română
			<ul> <li>Nederlands</li> </ul>
			• Русский
			<ul><li>Svenska</li></ul>
			• Português
			العربية •
			•日本語
			• 한국어
			•繁體中文
			•简体中文
	Display	Adjusts the display time of the OSD menu.	• 5 sec.
	Time		• 10 sec.
			• 15 sec.
			• 20 sec.
			• 25 sec.
			• 30 sec.
	OSD Lock	Prevents all the monitor settings from being accidentally changed. When this function is activated, the OSD controls and hotkey operations will be disabled.	
		To unlock the OSD controls, press and hold any key for 10 seconds.	
CAL.		Sets to remind you when monitor calibration is	
Reminder	recommended. When the monitor is in use, the used time is automatically calculated by a built-in timer.		• OFF
USB-C Awake		on is disabled, the USB-C™ port is not	•ON
		h power while the monitor is in standby	•OFF
	mode. To keep sup monitor's st		

ltem		Function	Range	
OSD Key Bri.	Adjusts the	LED indicator's brightness of the power key.	0 ~ 5	
RGB PC Range	Determines that matche HDMI / DP	• Auto Detect • RGB (0~255) • RGB (16~235)		
DP	Selects an a	Selects an appropriate DP standard for data transmission.		
USB-C Configuration	The USB tra USB-C™ te transfer via	Sets the refresh rate of the input video via USB-C <sup>™</sup> port. The USB transmission speed changes accordingly due to USB-C <sup>™</sup> technology limitation. See Options for data transfer via USB-C <sup>™</sup> on page 65 for more information.  Available when the input source is USB-C <sup>™</sup> .		
Audio	Volume	Adjusts the audio volume.	0~100	
	Mute	Mutes the audio input.	•ON •OFF	
AMA	Improves th	e gray level response time of the LCD panel.	•ON •OFF	
Auto Power Off	Sets the time to power off the monitor automatically in power saving mode.		• OFF • 10 min. • 20 min. • 30 min.	
Auto Pivot	Sets to rota	Sets to rotate the OSD menu with the monitor.		
Resolution Notice	Sets whether recommend detected by	•ON •OFF		
Custom Key 1	Sets the fun	• Brightness		
Custom Key 2 Custom Key 3	Sets the fun	<ul> <li>Contrast</li> <li>Input</li> <li>Color Mode</li> <li>Color Temp.</li> <li>Gamma</li> <li>Color Gamut</li> <li>PIP/PBP</li> </ul>		

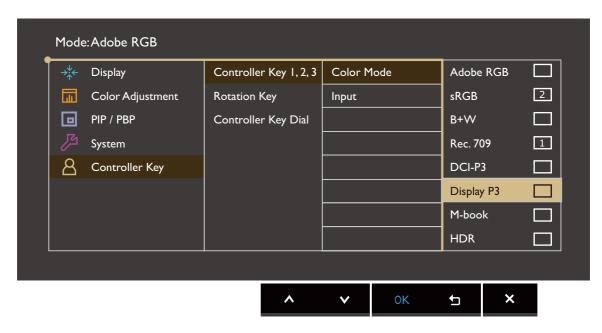
ltem	Function	Range
DDC/CI	Allows the monitor settings to be set through the software on the PC.  DDC/CI, short for Display Data Channel/Command Interface, which was developed by Video Electronics Standards Association (VESA). DDC/CI capability allows monitor controls to be sent via the software for remote diagnostics.	•ON •OFF
Information	Displays the current monitor property settings.	<ul> <li>Input</li> <li>Input bit</li> <li>Current Resolution</li> <li>Optimum Resolution (best with the monitor)</li> <li>HDR</li> <li>Model Name</li> </ul>
Reset All	Resets all mode, color and geometry settings to the factory default values.	•YES •NO

# Options for data transfer via USB-C $^{\text{TM}}$

	3840 x 2160@60Hz + USB 2.0	3840 x 2160@30Hz + USB 3.1
Refresh rate	60 Hz	30 Hz
USB transmission speed	480Mbps	5Gbps

## Controller Key menu

Available menu options may vary depending on the input sources, functions and settings. Menu options that are not available will become grayed out. And keys that are not available will be disabled and the corresponding OSD icons will disappear. For models without certain functions, their settings and related items will not appear on the menu.



- 1. Select (Menu) from the hot key menu.
- 2. Use  $\wedge$  or  $\vee$  to select **Controller Key**.
- 3. Select  $\rightarrow$  to go to a sub menu, and then use  $\land$  or  $\lor$  to select a menu item.
- 4. Use  $\wedge$  or  $\vee$  to make adjustments, or use  $^{\text{OK}}$  to make selection.
- 5. To return to the previous menu, select  $\ \ \ \ \ \ \$
- 6. To exit the menu, select X.

ltem	Function	Range
Controller Key 1, 2, 3	Sets the function to be accessed by controller key I / 2 / 3 on Hotkey Puck G2. See Hotkey Puck G2 and its basic operations on page 45 for the location of the keys. Select a category first, and choose up to 3 options to be accessed by these keys. The numbers displayed next to the selected items are the controller keys that the options are designated to.	• Color Mode • Input
Rotation Key	Sets the function to be accessed by the Rotation key on Hotkey Puck G2. See Hotkey Puck G2 and its basic operations on page 45 for the location of the key. Select a category first, and choose up to 3 options to be accessed by this key.	• Color Mode • Input • Mute

ltem	Function	Range
Controller Key Dial	Sets the function to be accessed by the Dial key on Hotkey Puck G2. See Hotkey Puck G2 and its basic operations on page 45 for the location of the key.	<ul><li>Brightness</li><li>Contrast</li><li>Volume</li></ul>

## **Troubleshooting**

# Frequently asked questions (FAQ)

### **Imaging**





- Download **Resolution file** from the website (see **Product support on page 3**). Refer to "**Adjusting the Screen Resolution**". And then select the correct resolution, refresh rate and make adjustments based on these instructions.
- If a VGA extension cable is used, remove the extension cable for the test. Is the image now in focus? Download Resolution file from the website (see Product support on page 3). Refer to "Adjusting the Screen Resolution". And then select the correct resolution, refresh rate and make adjustments based on these instructions to optimize the image. It is normal for blurring to occur due to conduction losses in extension cables. You can minimize these losses by using an extension cable with better conduction quality or with a built-in booster.
- Ooes the blurring only occur at resolutions lower than the native (maximum) resolution?
- Download Resolution file from the website (see Product support on page 3). Refer to "Adjusting the Screen Resolution". Select the native resolution.
- Pixel errors can be seen.
  - One of several pixels is permanently black, one or more pixels are permanently white, one or more pixels are permanently red, green, blue or another color.



- Clean the LCD screen.
- Cycle power on-off.
- These are pixels that are permanently on or off and is a natural defect that occurs in LCD technology.
- The image has a faulty coloration.
- V

It has a yellow, blue or pink appearance.

Go to **Picture** and **Reset Color**, and then choose **YES** to reset the color settings to the factory defaults.

If the image is still not correct and the OSD also has faulty coloration, this means one of the three primary colors is missing in the signal input. Now check the signal cable connectors. If any pin is bent or broken off, please contact your dealer to get necessary support.

- The image is distorted, flashes or flickers.
- Download Resolution file from the website (see Product support on page 3). Refer to "Adjusting the Screen Resolution". And then select the correct resolution, refresh rate and make adjustments based on these instructions.
- You are running the monitor at its native resolution, but the image is still distorted.
- Images from different input sources may appear distorted or stretched on the monitor running at its native resolution. To have the optimal display performance of each type of input sources, you can use the **Display Mode** function to set a proper aspect ratio for the input sources. See Aspect Ratio on page 54 for details.

- The image is displaced in one direction.
- Download Resolution file from the website (see Product support on page 3). Refer to "Adjusting the Screen Resolution". And then select the correct resolution, refresh rate and make adjustments based on these instructions.
- Faint shadow from the static image displayed is visible on the screen.
- Activate the power management function to let your computer and monitor go into a low power "sleep" mode when not actively in use.
  - Use a screensaver to prevent the occurrence of image retention.
- What are the supported video timings?
- Download Resolution file from the website (see Product support on page 3). Refer to "Preset display modes" for the supported timings.

#### Power LED indicator

- The LED indicator is solid white or flashing white.
  - If the LED lights up in solid white, the monitor is powered on.
     If the LED is illuminated in white and there is a message Out of Range on the screen, this means you are using a display mode that this monitor does not support, please change the setting to one of the supported mode. Download Resolution file from the website (see Product support on page 3). Refer to "Adjusting the Screen Resolution". And then select the correct resolution, refresh rate and make adjustments based on these instructions.
    - If the LED is illuminated in flashing white, the power management mode is active. Press any button on the computer keyboard or move the mouse. If that does not help, check the signal cable connectors. If any pin is bent or broken off, please contact your dealer to get necessary support.
    - If the LED is off, check the power supply mains socket, the external power supply and the mains switch.

#### OSD controls

- The OSD controls are inaccessible.
- To unlock the OSD controls when it is preset to be locked, press and hold any key for 10 seconds.

### **OSD** messages

- A message **Out of Range** on the screen during computer boot up process.
- If there is a message **Out of Range** on the screen during computer boot up process, this means computer compatibility caused by operating system or graphic card. The system will adjust the refresh rate automatically. Just wait until the operating system is launched.

#### Audio





- Remove your headphone (if the headphone is connected to the monitor).
- Check whether the headphone jack is properly connected.
- If the external speakers are USB-powered, check whether the USB connection is OK.
- Increase the volume (volume may be muted or too low) on the external speakers.
- If USB-C<sup>™</sup> connection is established, make sure the appropriate audio output setting on your laptop has been selected. You may look for options similar to "USB headphone".

#### **HDR**

- There is a message HDR: Emulated showing on the screen.
- This means the input content is not HDR-compatible and the monitor is in HDR-emulated mode. Refer to Working with HDR technology on page 48 to check if a supported player, content, and the certified cable are used.

#### USB-C<sup>™</sup> connection

- No video or audio output from the laptop with USB-C™ connection.
- Check the cable connections and menu settings in the following order:
  - Check if the USB-C<sup>™</sup> cable has been connected to the monitor and the laptop properly. See Connect the PC video cable on page 23 for more information.
  - Check if the input source has been selected to **USB-C** on **Display > Input**.

## Need more help?

If your problems remain after checking this manual, please contact your place of purchase or visit the local website from Support.BenQ.com for more support and local customer service.