LCD Monitor

Display Pilot 2 User Manual

V 2.04

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Servicing

Should you have any queries about the software after reading the document, visit the local website from Support.BenQ.com for more support and local customer service.

Support.BenQ.com

Note

In this document, the steps needed to reach a menu are shown in condensed form, for example: **System** > **Information**.

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Introduction

Display Pilot 2 is a software utility that allows for quick accurate tuning of the display with the ability to easily save and use monitor configurations that are best suited for you. All adjustments are controlled via software to eliminate the need to use the monitor on-screen displays (OSD).

Note

- **Display Pilot 2** scans and identifies the connected monitor(s) to determine which features are supported. Available features vary by model and inputs. Therefore, not all controls and features described in this document may appear in your application.
- Images and menu options in this document are for reference only and may look different according to different BenQ monitors, software versions, or the operating system (OS) of your device. The user interface may subject to change without prior notice.

System requirements and compatible monitors

Item	Description
OS systems	Visit www.BenQ.com > **Display Pilot 2** > **Specifications** for the latest information.
Compatible monitors	

Setup

The software provides full functions when working with compatible BenQ monitors. Limited functions are provided for other monitors. It scans and detects the connected monitors when the software is launched. Make sure the monitors are properly connected to the computer.

Type of connected monitor	Displayed name in Display Pilot 2	Available software functions
A compatible BenQ monitor	Model name	Full functions. Available functions/settings vary by model.
A Mac series monitor	Color LCD	Limited functions are available: • Volume • Brightness • Access to display settings **Note** Apple keyboard volume control is natively available to a Mac series computer, though volume adjustment is not displayed in the software.
A laptop monitor other than Mac	Built-in Display	Limited functions are available: • Volume • Brightness
An external monitor that is not compatible	Identified: model name Not identified: General display	Limited functions are available: • Volume (if built-in speakers are available) • Brightness

Getting ready before you start

1. Make sure the connection of computer, monitor, and network is complete. You can connect up to six monitors.
2. Power on the computer and monitor.
3. Make sure the DDC/CI control is enabled from the monitor's OSD menu. Go to **System** > **Advanced** > **DDC/CI** > **ON**. (Availability may vary by model.)
4. If you have more than one monitor connected, set to mirror or extend the display.
5. (Windows only) If you would like the **Display Pilot 2** window to be shown on your external monitor, set your external monitor the main display.

Note

You are recommended to use the original Thunderbolt™ or USB-C™ cable that came with the monitor. Converters/adapters are not recommended to connect your source device to the monitor, as the compatibility of the converters/adapters in the market cannot be guaranteed.

Downloading and launching Display Pilot 2

1. Visit the local website from www.BenQ.com > **Display Pilot 2** to download the software.
2. Click the file just downloaded and follow the on-screen instructions to complete the installation.
3. Click to launch the software. The software checks for an update when it is launched. See Updating the software on page 9.
4. Log in to the software with your Gmail, WeChat, or Apple account to access the software's cloud service (see Backing up your settings to cloud storage on page 60). Available account services may vary by region. You can close the login window and continue as a guest as well.
   The software scans and identifies the connected monitor(s). If an identified monitor is connected, its model name is displayed. If more than one identified monitor of the same model name is connected, a suffix is added to the model name. Refer to Setup on page 7 for the monitor connection and functionality.
   If you are prompted that the monitor is not compatible, you can change to a compatible monitor or continue with the current one with limited functions.
5. The software widget is displayed. The interface color and available functions vary by monitor. See Overview on page 10 for more information.

Note

The software interface follows the operating system language setting and cannot be changed from the software.

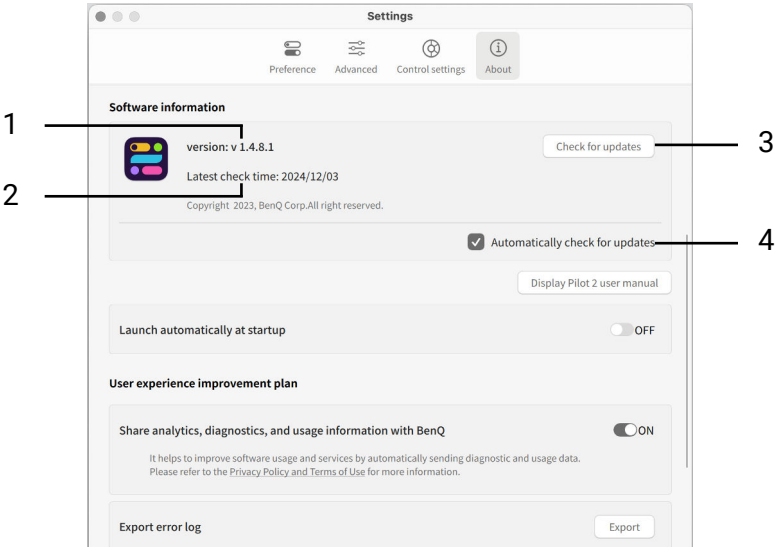
Tips

The software can be accessed from the / icon in the system tray/menu bar, or from the computer's **Start** menu > **Display Pilot 2**.

Updating the software

The software is set to check for an update automatically when it is launched. If an update is available, you will be guided to download and update the software automatically before it is launched.

If you prefer to check for update manually, go to ••• (**Settings**) > **About** and disable **Automatically check for updates**.

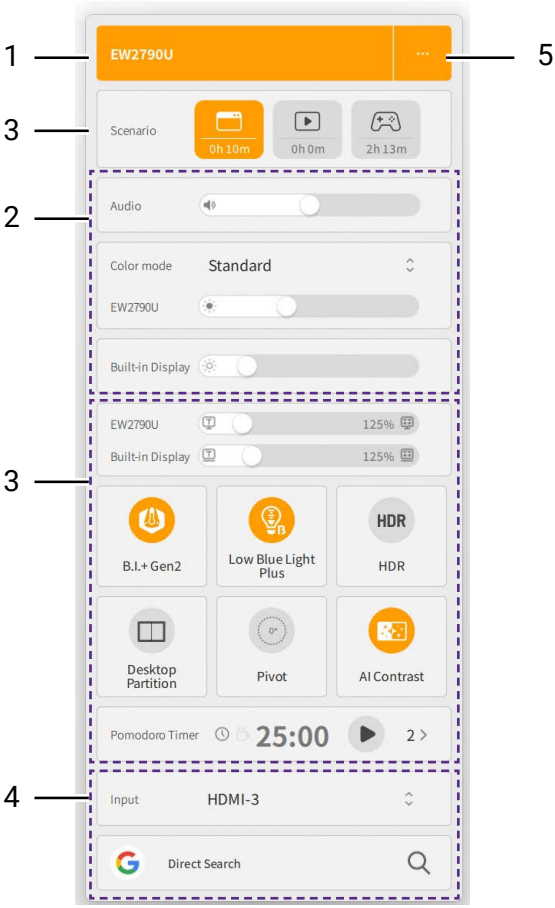


No.	Descriptions
1.	Shows the current software version.
2.	Shows the latest software check time.
3.	Checks for software update manually. Available options vary by software status.
4.	Determines whether to check for update automatically.

Overview

The software interface and available functions in **Display Pilot 2** vary by series, models, inputs, and your preference settings. See Customizing your widget on page 20 for more information.

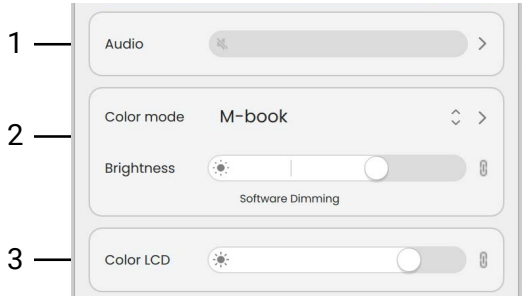
> **Note**
>
> The screenshots and illustrations in this document are for reference only and may differ from the actual design.



No.	Function	Descriptions
1.	Monitor's name	Shows the connected monitor or a list of connected monitors.

No.	Function	Descriptions
2.	General settings	Accesses commonly used settings such as volume, brightness and color mode. See General settings on page 11 for more information.
3.	Featured tools/ functions	• Enables/disables a function by clicking its icon. The function is enabled when the icon is highlighted. • Adjusts the function settings by clicking its name. Available functions depend on your monitor series. See Featured tools/function on page 14 for more information.
4.	Quick access	Quick access to switching input and your computer/ monitor settings. See Quick access on page 12 for more information.
5.	**Settings**	Accesses to the software settings. You can customize your preferences and set color modes for different applications. See Settings pages on page 17 for more information.

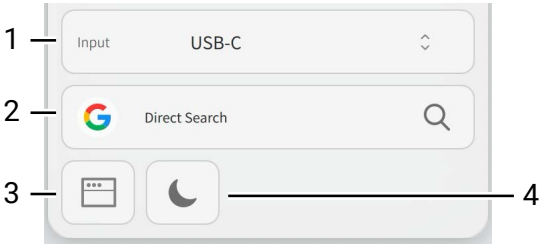
General settings



No.	Function	Descriptions
1.	Audio	Adjusts the volume of the selected speakers. See Adjusting volume on page 43 for more information. (EW series only) Adjusts equalizers to customize the User mode. See Customizing an audio mode on page 44 for more information.

No.	Function	Descriptions
2.	Color mode & brightness of the display	Shows the current color mode and brightness level of a connected monitor. • Click ⌃⌄ icon to access list of color modes. • Click > icon to adjust detail settings. See Changing and customizing a color mode on page 24 and Adjusting screen brightness on page 36 for more information. (MA series only) Choose the best M-book mode color setting to match your device. See Color profile settings for Apple devices (iDevice Color Sync) on page 26 for more information.
3.	Brightness of the laptop's screen	Adjusts the brightness of the laptop's screen.

Quick access



No.	Function	Descriptions
1.	Input source	Shows a list of input sources. Available options vary by model and existing connections.
2.	Direct Search[1]	Accesses commonly used search engines and search directly through the software interface. See Introduction on page 6 for more information.
3.	Resolution settings[2]	Accesses the display settings of your computer. You can adjust the resolution settings here.
4.	Focus mode[3]	Accesses the focus settings of your computer. You can adjust the notification you'd like to receive under different circumstances.

Note

[1] Available on: RD/EW series
[2] Available on: PD series
[3] Available on: RD series

Featured tools/function

> **Note**
>
> Available functions in **Display Pilot 2** vary by model, inputs, and your preference settings. The software automatically detects your connected monitor and displays only the compatible features and tools.

- PD series
- RD series
- MA series
- EW series

PD series

	DualView	See Working with two color settings on the same image (DualView/DualView Plus) on page 31.
	ICCsync	See Improving color accuracy of the monitor (ICCsync) on page 31.
	Desktop Partition	See Managing the layout of multiple windows (Desktop Partition) on page 48.
HiDPI	**HiDPI**	See Sharper images and text through HiDPI on page 34.
	Auto Pivot / Pivot	See Rotating your screen (Auto Pivot/Pivot) on page 45.
A4	**Print Assist**	See Previewing your design in actual print size (Print Assist) on page 46.
	PIP / PBP	See Working with two or more video sources (PIP / PBP) on page 48.

> **Tips**
>
> For more features of PD series, see Customizing the Hotkey Puck keys on page 21.

RD series

-	**Resolution slider**	See Adjusting resolution on page 34.
	Night Hours Protection	See Minimum brightness solution by Night Hours Protection on page 42.
	B.I. Gen2	See Auto brightness and color temperature adjustment by B.I. Gen2/B.I.+ Gen2 on page 41.
	Low Blue Light Plus	See Adjusting color temperature (Low Blue Light/Low Blue Light Plus) on page 32.

	EcoPrivacy	See Protecting screen privacy (EcoPrivacy) on page 51.
	Auto Pivot / Pivot	See Rotating your screen (Auto Pivot/Pivot) on page 45.
	Desktop Partition	See Managing the layout of multiple windows (Desktop Partition) on page 48.
	Shortcuts	See Using combination of keys to adjust monitor settings (Shortcuts) on page 51.
HDR	**HDR**	See Adjusting HDR mode on page 30.
HiDPI	**HiDPI**	See Sharper images and text through HiDPI on page 34.
	Daisy Chain (MST)	See Connecting multiple monitors via Daisy Chain (MST) on page 47.
	MoonHalo	See Adjusting bias lighting by MoonHalo on page 35.
	PIP / PBP	See Working with two or more video sources (PIP / PBP) on page 48.
	DualView Plus	See Working with two color settings on the same image (DualView/DualView Plus) on page 31.
	FloW	See Arranging bundled display settings based on daily scenarios (FloW) on page 55.
	Color Weakness	See Enabling color vision accessibility (Color Weakness) on page 33.

MA series

-	**Resolution slider**	See Adjusting resolution on page 34.
	FocuSync	See Customizing your own focus scenarios (FocuSync) on page 54.
	ICCsync	See Improving color accuracy of the monitor (ICCsync) on page 31.
	B.I.+ Gen2	See Auto brightness and color temperature adjustment by B.I. Gen2/B.I.+ Gen2 on page 41.
	Low Blue Light	See Adjusting color temperature (Low Blue Light/Low Blue Light Plus) on page 32.
	Auto Pivot / Pivot	See Rotating your screen (Auto Pivot/Pivot) on page 45.

	Desktop Partition	See Managing the layout of multiple windows (Desktop Partition) on page 48.
HDR	**HDR**	See Adjusting HDR mode on page 30.
	Color Weakness	See Enabling color vision accessibility (Color Weakness) on page 33.

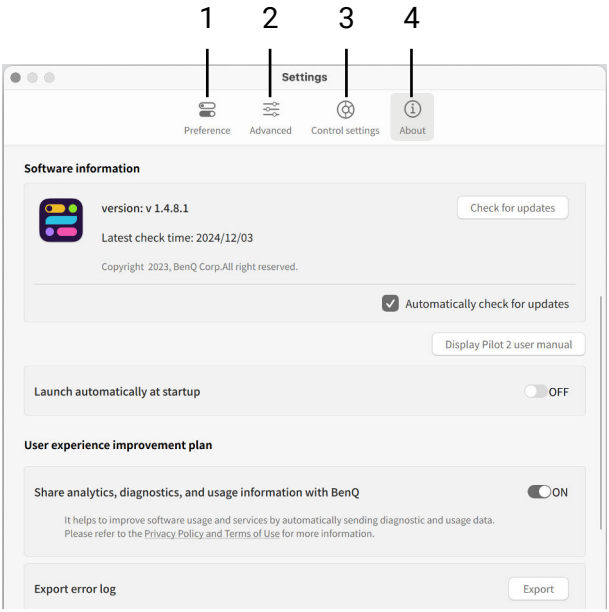
> **Tips**
>
> For more features of MA series, see Brightness adjustment by Brightness Sync on page 39 , Color profile settings for Apple devices (iDevice Color Sync) on page 26.

EW series

-	**Scenario assistant**	See Switching monitor settings quickly for preset scenarios (Scenario) on page 57.
-	**Resolution slider**	See Adjusting resolution on page 34.
	B.I.+ Gen2	See Auto brightness and color temperature adjustment by B.I. Gen2/B.I.+ Gen2 on page 41.
	Low Blue Light Plus	See Adjusting color temperature (Low Blue Light/Low Blue Light Plus) on page 32.
HDR	**HDR**	See Adjusting HDR mode on page 30.
	Desktop Partition	See Managing the layout of multiple windows (Desktop Partition) on page 48.
HiDPI	**HiDPI**	See Sharper images and text through HiDPI on page 34.
	Auto Pivot / Pivot	See Rotating your screen (Auto Pivot/Pivot) on page 45.
	Shortcuts	See Using combination of keys to adjust monitor settings (Shortcuts) on page 51.
	AI Contrast	See Adjusting contrast automatically in real-time (AI Contrast) on page 58.
-	**Pomodoro Timer**	See Managing your time efficiently by Pomodoro Timer on page 58.

Settings pages

You can set software preferences and access customize settings in **Settings**. For different monitor series and models, available setting options may vary.



No.	Page name	Descriptions
1.	**Preference**	Decides what supported functions can be activated for a monitor from the widget.
2.	**Advanced**	Settings for all series: • "Customizing each application's color mode (Application Mode)" Settings for RD series. • "Arranging bundled display settings based on daily scenarios (FloW)" Settings for MA series: • "Customizing your own focus scenarios (FocuSync)" • "Adjusting advanced settings (Display System Settings)"
3.	**Control settings**	(For PD series with Hotkey Puck G3) Customizes control keys for Hotkey Puck.

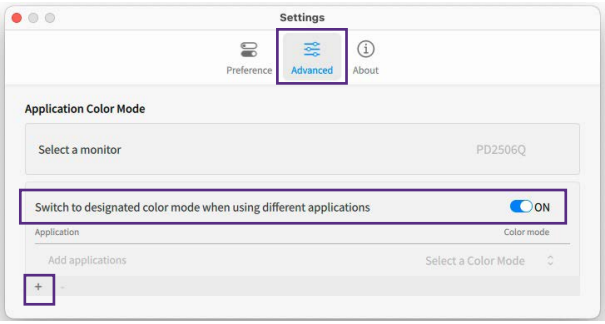
No.	Page name	Descriptions
4.	**About**	Accesses more settings of the software. • "Backing up your settings to cloud storage" • "Updating the software" • "Contacting customer service" • "Naming the connected monitors"

Customizing each application's color mode (**Application Mode**)

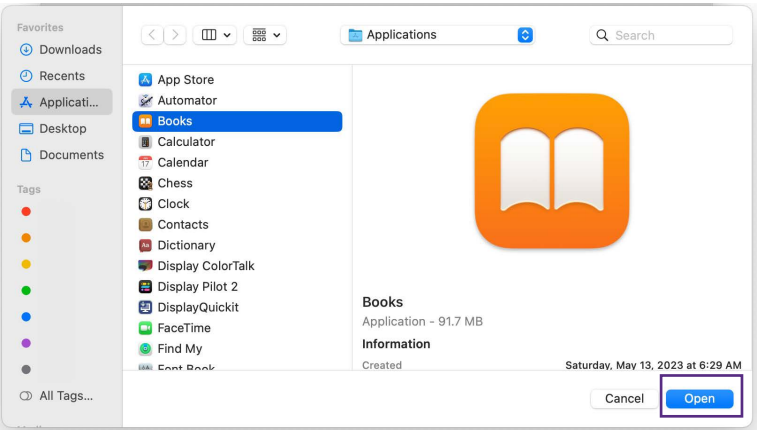
Assign one color mode to an application, so when the application is launched and brought to the front, the preset color mode is applied automatically.

> **Note**
>
> When HDR is enabled, the **Application Color Mode** function will be temporarily disabled.

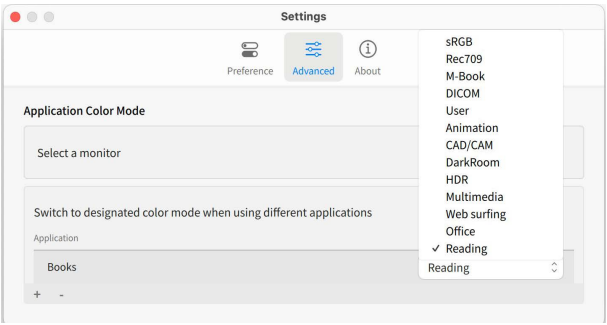
1. Go to ••• (**Settings**) > **Advanced**.
2. Switch on **Application Color Mode**.



3. Click + and select an application from your computer and add it to the application list.



4. Back to the software, find the application just added and select a preferred option from the color mode list. Once the application is launched and the window is brought to the front, the preset color mode is applied immediately.



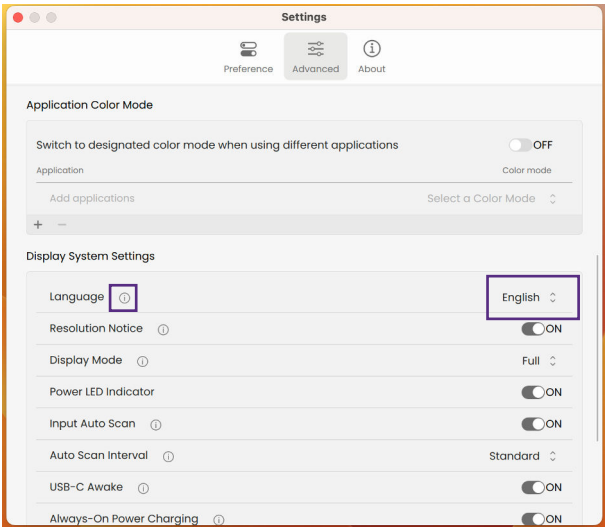
5. To remove an application from the list, select it and click −.

Adjusting advanced settings (**Display System Settings**)

Available on: MA series

Display Pilot 2 provides access to a more comprehensive system settings for your monitor.

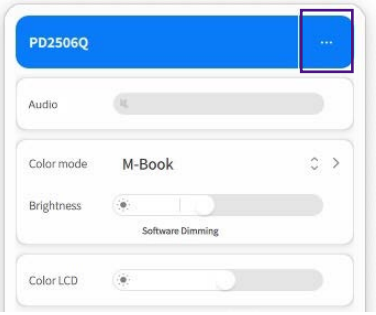
1. Go to ••• **(Settings)** > **Advanced**> **Display System Settings.**
2. To learn more about a certain function, click ⓘ beside the function name.
3. Select an option or switch the function on or off from the list. The settings will be immediately applied to your monitor.



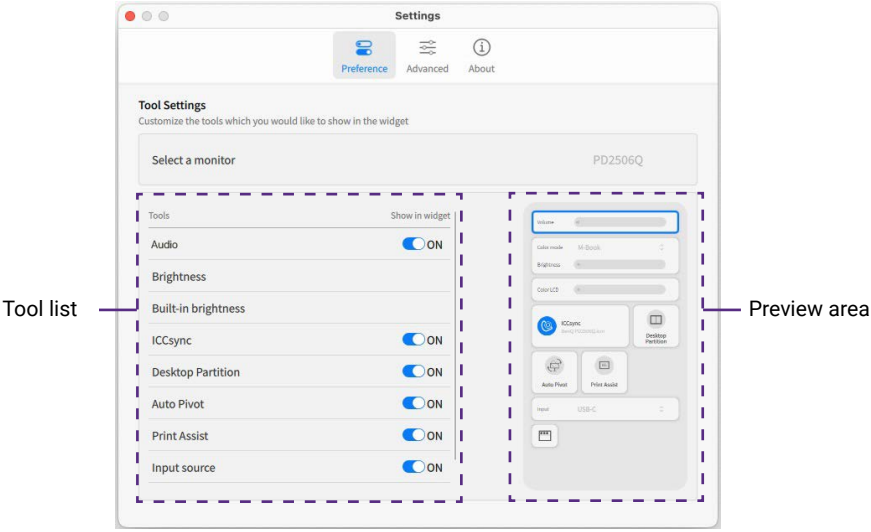
Customizing your widget

The color of your software interface changes according to different series of the connected BenQ monitors. You cannot change the interface color. However, you can decide to keep your widget simple and shows only the frequently used functions.

1. Go to ••• (**Settings**) > **Preference**.



2. If there is more than one external monitor connected, you can choose one from **Select a monitor**.
3. All the supported functions of the selected monitor are listed under **Tools**. Turn off a function so it is not displayed on software widget. You can preview the widget layout immediately on the right side of **Preference** page.



> **Note**
>
> A function can only be enabled from the widget. If it is supported yet not showed in widget, go to (**Settings**) > **Preference** to make it available in widget first. And then go back to widget to enable the function.

Naming the connected monitors

To better identify the connected external monitors, you can rename the monitors.

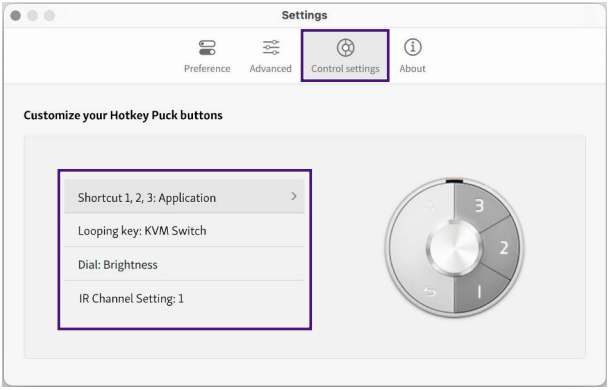
1. Go to (**Settings**) > **About**.
2. Scroll down to **Device information**. Input a name for an external monitor. The maximum length of the device name is up to 12 characters.

Customizing the Hotkey Puck keys

> Available on: PD series with Hotkey Puck G3

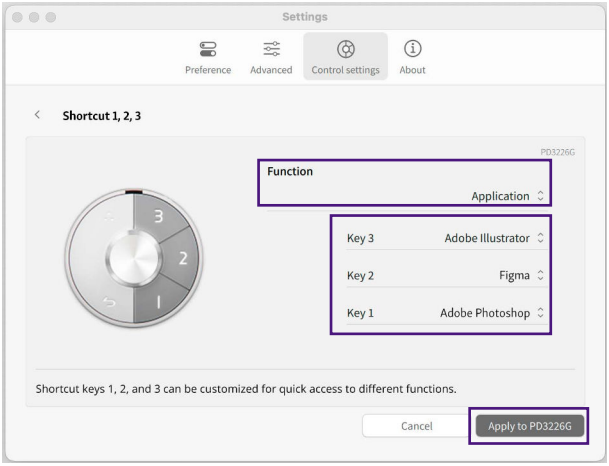
You can assign preferred functions to each Hotkey Puck keys through **Display Pilot 2**.

1. Go to (**Settings**) > **Control settings**.
2. If more than one external monitor that supports Hotkey Puck is connected, choose one from **Select a monitor**.
3. The setting page shows a list of keys and their current function settings. Select a key you want to adjust. Refer to the image on the right side for the key location.



> **Note**
> For details on each Hotkey Puck key function, refer to the respective monitor's user manual.

4. Under the key settings page, assign a function to the key.



5. (Optional) Depends on the key function, you might need to choose up to 3 options to be accessed by the key.
6. Select **Apply to (monitor name)**. Wait for the dialog box to appear then tap **OK**.

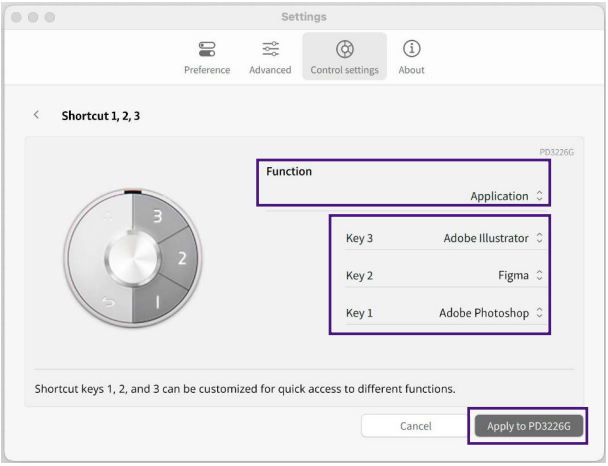
Launching applications through shortcut keys

> Available on: PD series with Hotkey Puck G3

Display Pilot 2 allows you to assign your frequently used applications to the shortcut keys, so you can launch the software by pressing the assigned key.

1. In **Control settings**, select **Shortcut 1, 2, 3**.
2. Under **Function**, select **Application**.

3. For each key, select an application from the preset software list or select **Others** to choose the software from your computer.
4. Select **Apply to (monitor name)**. Wait for the dialog box to appear then tap **OK**.



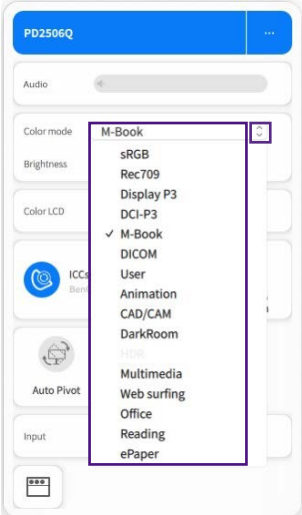
Operations

Changing and customizing a color mode

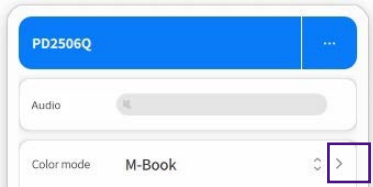
Note

- Available color modes vary by model. To find out the description of each color mode, refer to the user manual of the connected monitor.
- When a color mode is selected, a corresponding ICC profile is applied to the computer automatically for better color matching representation. To change the ICC profile, see Applying a different ICC profile on page 31 for more information.

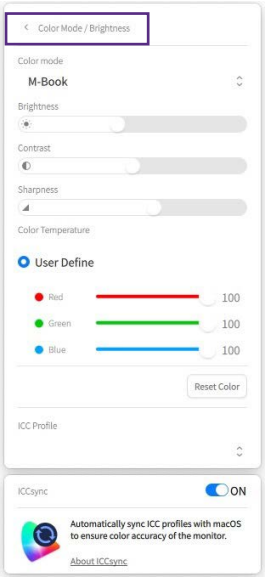
1. Select one option from **Color mode** list. Available options vary by model.



2. Click > next to the color mode to adjust related settings. Available settings vary by color mode.



3. After the adjustments are done, click < to exit.



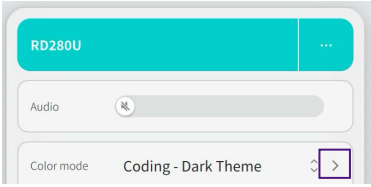
Checking settings bundled with color mode

> For selected models only

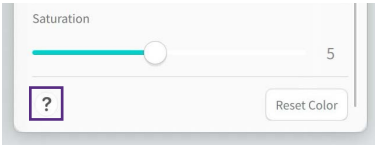
Some settings can be adjusted and saved to go with color modes. As a color mode is selected, the desired settings are applied.

To find out the settings bundled with color mode, follow the steps below.

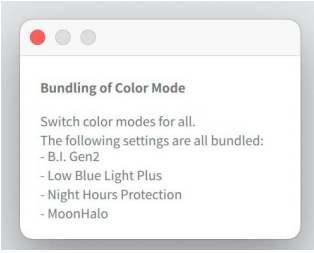
1. Click > next to the color mode.



2. Click the question mark icon from the bottom of the window.



3. From the pop-up window, you can view a list of settings bundled with color mode.

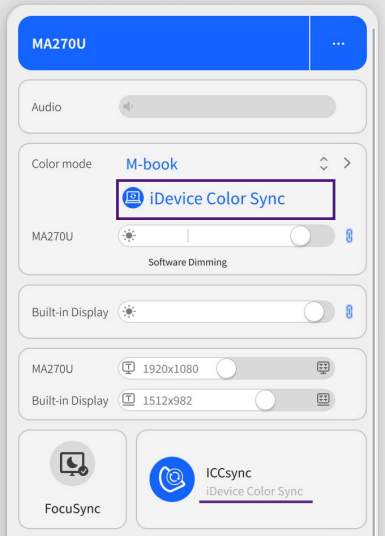


Color profile settings for Apple devices (**iDevice Color Sync**)

Available on: MA series

Under **M-book** mode, **iDevice Color Sync** is enabled by default to auto-match the color of the connected Apple device. To disable the function, click on the text again.

> **Note**
> When **iDevice Color Sync** is enabled, ICC Sync will also be activated and cannot be turned off.

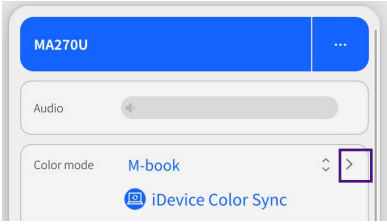


You can also manually apply different color profile of other Apple devices to your device. Depending on your OS (Mac or Windows), the default color profile may differ.

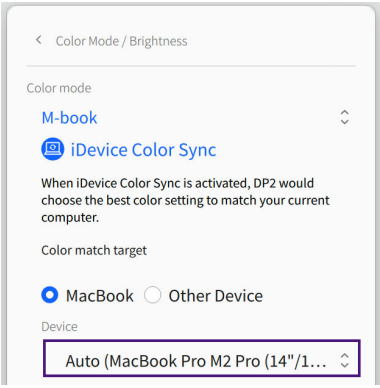
- "For Mac devices"
- "For Windows devices"

For Mac devices

1. Click > next to the color mode.

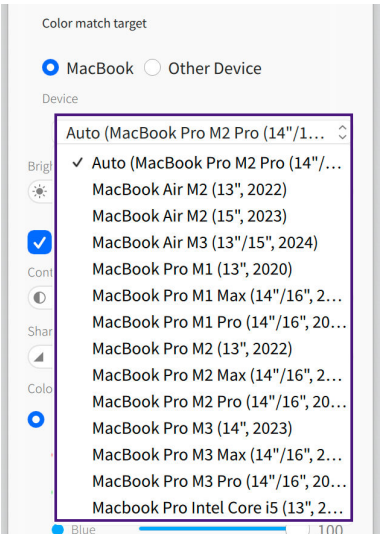


2. If your connected device is recognized by the software, the corresponding color profile will be applied automatically.



> **Note**
>
> The software might identify your Apple device as **Other Device** if your device is one of the following:
>
> - An unsupported MacBook model or a MacBook model that is not yet supported (e.g., the latest released models)
> - A non-MacBook device (e.g., Mac mini, Mac Studio)

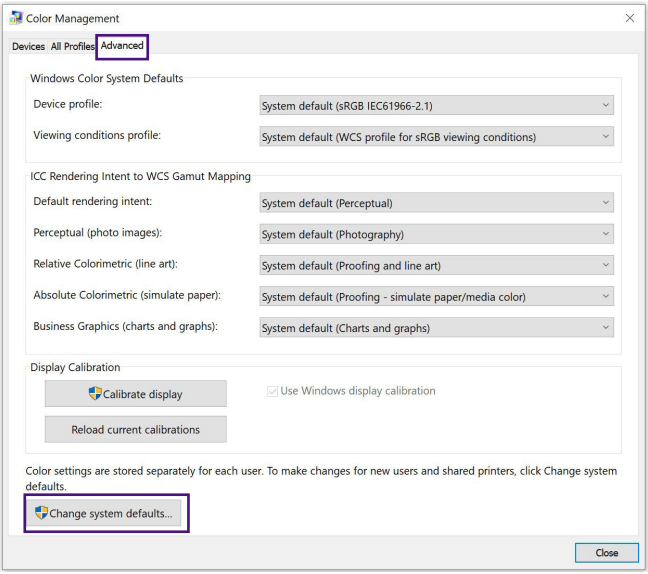
3. If you want to customize the color settings of your display, choose a **Color match target** then select an option on the device list for their color profile.



For Windows devices

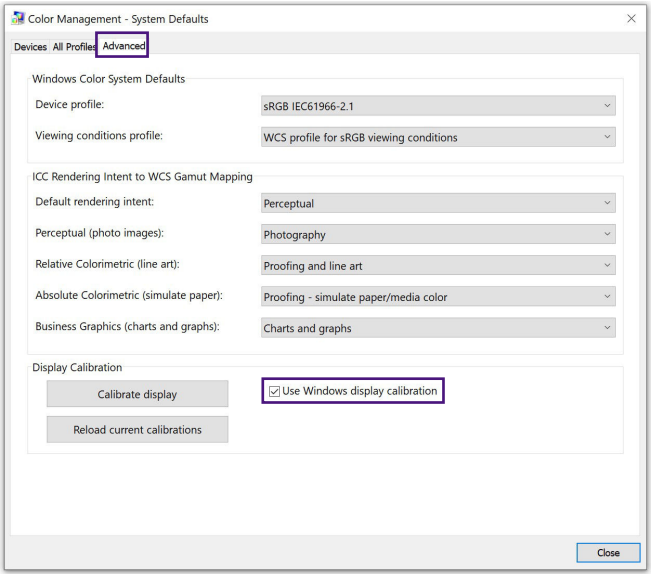
To apply color profile on the monitor using **iDevice Color Sync**, make sure to enable the system settings as below:

1. In Windows, search for "**Color Management**" to open the color management window.
2. Under the **Advanced** tab, click **Change system defaults**.



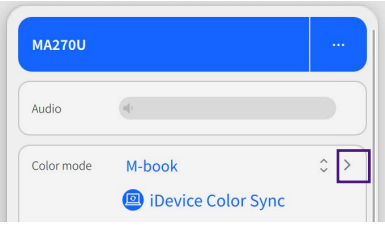
3. Click on **Advanced** tab again and check the box **Use Windows display**

calibration.



Now go back to **Display Pilot 2** software.

1. Click > next to the color mode.



2. The **Color match target** will be set to **Other Device**, which is the unified version of the M-book mode color.
3. If you want to customize the color settings of your display, choose a **Color match target** then select an option on the device list for their color profile.

Adjusting HDR mode

For HDR-compatible monitors, HDR mode will be grayed out in the **Color mode** list. For different BenQ monitor series, you can enable HDR function as below.

Note

- **Software Dimming** and **Brightness Sync** will be disabled when **HDR** is turned on and **Backlight Control** is set to **ON**.
- When HDR is enabled, the **Application Color Mode** function will be temporarily disabled.

Available on: PD series

If the HDR function is enabled from your OS and HDR content is connected, the monitor switches to HDR mode automatically.

Available on: RD series

Mac OS	Click HDR from the widget to open the HDR settings of your computer.
Windows OS	Click HDR from the widget to enable **HDR**. For quick access to the HDR settings of your computer: 1. Click the function name **HDR** from the widget. 2. Click **HDR System Setting** to open the HDR settings of your computer.

Available on: MA/EW series

Click HDR from the widget to enable **HDR**. The monitor switches to HDR mode automatically.

Improving color accuracy of the monitor (**ICCsync**)

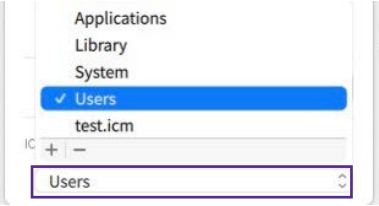
Available on: PD/MA series

The computer's color profile (ICC profile) may not best suit your monitor. If you want to make sure to obtain the accurate color matching representation, change the computer's ICC profile to ensure the computer works better with the monitor. With the **ICCsync** feature in **Display Pilot 2**, the adjustment is done with one click.

To enable **ICCsync**, click from the widget. The synchronization is performed automatically whenever a color mode (which comes with an ICC profile) is applied to ensure consistent and accurate color matching representation between the monitor and the computer's color management system.

Applying a different ICC profile

1. Click > next to **Color mode** in the widget for related settings.
2. On the bottom of the settings, the current ICC profile is displayed. Click the profile name.



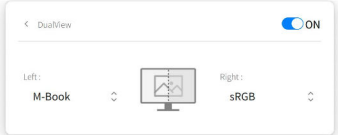
3. A list of available ICC profiles is displayed.
   - Select an existing profile from the list to apply.
   - Select + to browse your computer for other ICC profile in *.icm or *.icc format. If you have calibrated your monitor and a new ICC profile has been generated, look for that profile and apply the calibration results.
   - Select a manually added profile from the list and click − to delete. The − icon is not available to a built-in profile.

Working with two color settings on the same image (**DualView/DualView Plus**)

Available on: PD/RD series (selected models only)

DualView/DualView Plus helps improve your working efficiency by showing two different color modes side-by-side. **DualView Plus** supports both single and dual inputs (PIP/PBP mode), offering more flexible application options.

1. To enable **DualView/DualView Plus**, click / from the widget. The screen is divided into two windows. The current color mode is applied to the left window.
2. Click the function name **DualView/DualView Plus** from the widget to set color modes for two windows respectively.



Adjusting color temperature (**Low Blue Light/Low Blue Light Plus**)

Available on: RD/MA/EW series

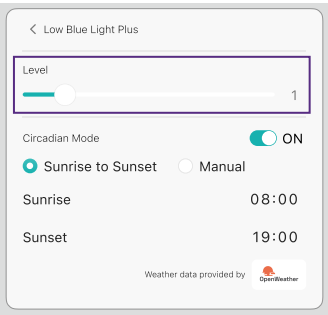
Note

- The adjusted settings will be saved and applied by color mode switch. See Checking settings bundled with color mode on page 25 for details.
- The function works with certain picture modes (color modes) only. If it is not available, its menu options will become grayed out.

The **Low Blue Light/Low Blue Light Plus** technology helps decrease the blue light emitted from the display to reduce the risk of blue light exposure to your eyes.

You can reduce the blue light as desired regardless of color mode.

1. Click the icon or the function name **Low Blue Light/Low Blue Light Plus** from the widget to access the settings.
2. Under **Level**, adjust the value of the filter. A stronger effect is produced as the value increases.

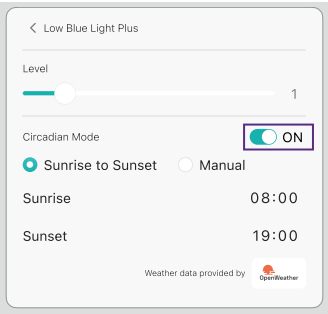


Auto color temperature adjustment through daylight cycle (**Circadian Mode**)

Available on: RD/MA/EW series

Low Blue Light/Low Blue Light Plus includes **Circadian Mode**, which automatically adjusts your screen's color temperature throughout the day, mirroring the natural sunrise to sunset cycle.

1. Click **Low Blue Light/Low Blue Light Plus** in the widget for related settings.
2. Set **Circadian Mode** to **On**.



3. Choose to set the sunrise and sunset times through auto detection (**Sunrise to Sunset**) or adjust manually (**Manual**).

Enabling color vision accessibility (**Color Weakness**)

Available on: RD/MA series

Color Weakness is an accessibility feature that lets users with color vision deficiency customize the amount of red or green displayed on the monitor using red and green filters. This mode helps users clearly distinguish between different colors.

1. Click from the widget to access the settings.
2. Click and drag the slider to adjust the value of the filter. The stronger effect is produced as the value increases.

Sharper images and text through **HiDPI**

Available on: PD/RD/EW series (macOS only) with QHD panel.

HiDPI enables you to leverage the high pixel density, effectively doubling the screen resolution while maintaining the physical size of UI elements.

To enable **HiDPI**, click HiDPI from the widget.

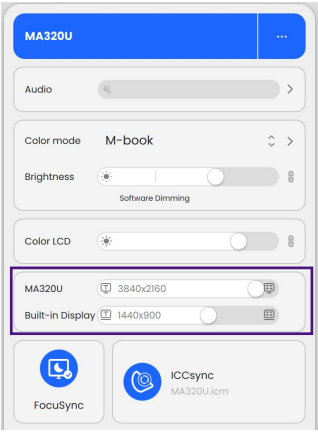
> **Note**
>
> You can click (**Resolution**) to access the resolution settings of your computer.

Adjusting resolution

Available on: RD/MA/EW series

You can adjust the screen resolution of your display and laptop by dragging the slider directly.

1. You can view the current resolution on the slider.



2. Click and drag the slider to adjust the screen resolution. The setting will take effect immediately once you release the slider.

   > **Note**
   >
   > The available resolution varies by model and your connected device.

Adjusting bias lighting by **MoonHalo**

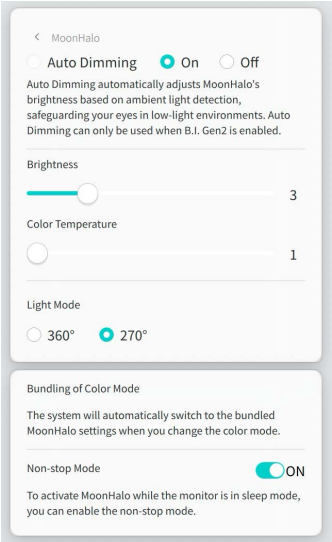
Available on: RD series (selected models only)

> **Note**
>
> The adjusted settings will be saved and applied by color mode switch. See Checking settings bundled with color mode on page 25 for details.

MoonHalo is the built-in monitor bias lighting that balances the lighting of your viewing environment. Activate the function to enhance working efficiency and reduce eye strain.

1. Click the icon or the function name **MoonHalo** from the widget to access the settings.
2. To activate the function, choose either **Auto Dimming** or **On**. For **Auto Dimming**, it automatically adjusts MoonHalo's brightness based on ambient light detection, syncs with screen brightness and safeguards your eyes in low-light environments.

   > **Note**
   >
   > **Auto Dimming** can only be used when **B.I. Gen2** is enabled.



3. Set your **Brightness, Color Temperature, Light Mode** preferences.
   - **Light Mode** offers two lighting angles: **360°** and **270°**. You can set your preferred light mode based on different scenarios.
4. To activate **MoonHalo** when the monitor is in sleep mode, you can turn on the **Non-stop Mode**.

Adjusting screen brightness

Apart from the monitor control keys, you are provided with several ways to adjust screen brightness easily from the software.

- Brightness slider on the widget
- Software Dimming
- iKeyboard Control
- Brightness Intelligence Gen2 (B.I. Gen2)[1]/Brightness Intelligence Plus Gen2 (B.I.+ Gen2)[2]
- Night Hours Protection[1]
- Brightness Sync[3]

Note

[1] Available on: RD series

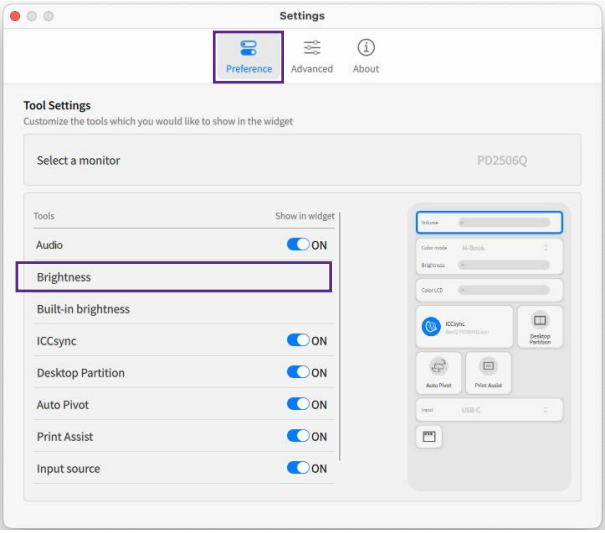
[2] Available on: MA/EW series

[3] Available on: MA series

Advanced brightness adjustment by **Software Dimming**

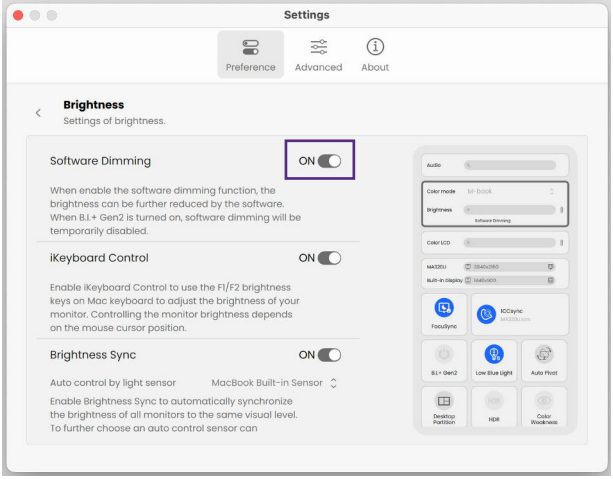
With **Software Dimming**, brightness adjustment is controlled by hardware and software. Software helps reduce the brightness as much as possible so you can use the monitor in a room of dim light.

1. Go to ••• **(Settings)** > **Preference** > **Brightness**.

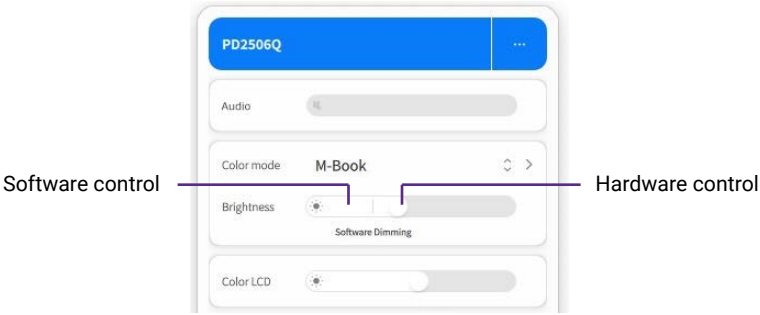


2. Make sure **Software Dimming** is enabled. The screen brightness will be adjusted slightly as the software control of brightness is added.

> **Note**
>
> - **Software Dimming** will become grayed out under the following situations: 1) when **B.I. Gen2**/**B.I.+ Gen2** is turned on, or 2) when **HDR** is turned on and **Backlight Control** is set to **ON**. Disable **B.I. Gen2**/**B.I.+ Gen2** and set **Backlight Control** to **OFF** first, then try again.
> - While in PIP/PBP mode, **Software Dimming** will be applied to the main input source only.



3. **Software Dimming** is marked under the **Brightness** slider in the widget, indicating that the function is enabled.



4. (Optional) Enable **iKeyboard Control** so you can bring back the bright screen easily without the widget.
5. Change the brightness as usual. When the brightness is reduced to certain level, the software will help to reduce it to the lowest level.
6. To increase brightness again, use the monitor control keys or F2 key on the Apple keyboard (if **iKeyboard Control** is enabled) when the widget is not

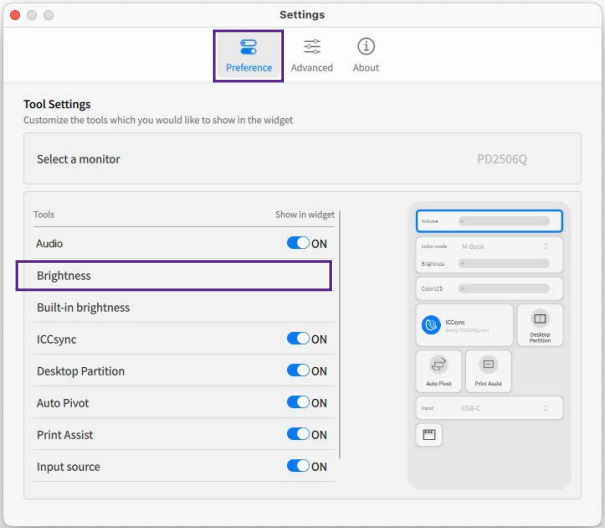
visible.

Brightness adjustment by **iKeyboard Control**

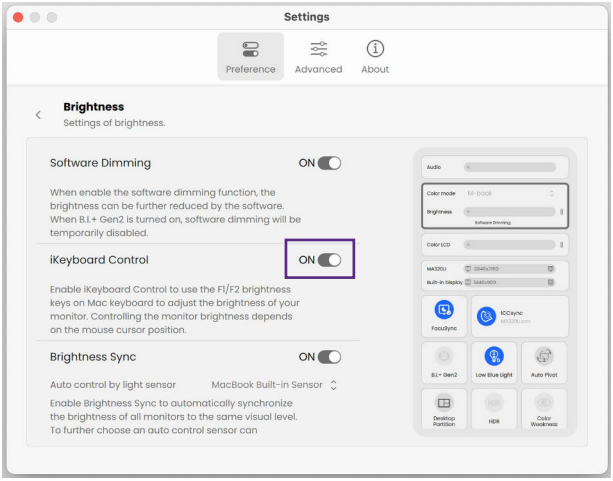
Available on: macOS and Apple keyboards

With **iKeyboard Control**, you can adjust the brightness of the connected compatible monitor by pressing F1/F2 keys on your Apple keyboard as usual.

1. Go to ••• **(Settings)** > **Preference** > **Brightness**.



2. Make sure **iKeyboard Control** is enabled.



3. Position the cursor on the screen of a compatible monitor that you wish

to make brightness adjustment, and press F1/F2 keys on your keyboard to adjust screen brightness directly.

4. To make subtle adjustment, press Option + Shift + F1/F2 keys to fine-tune the brightness level.

Brightness adjustment by **Brightness Sync**

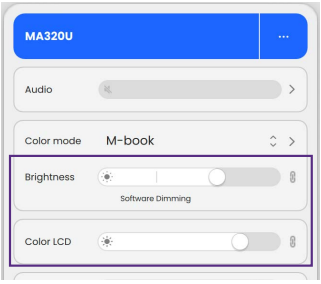
Available on: MA series

> **Note**
>
> When **HDR** is turned on and **Backlight Control** is set to **ON**, **Brightness Sync** will become grayed out. Set **Backlight Control** to **OFF** first, then try again.

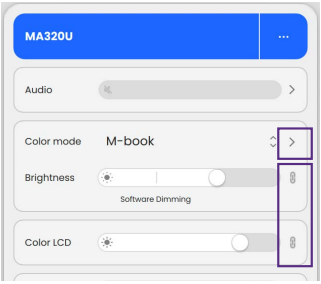
With **Brightness Sync**, the brightness of all connected monitors are automatically synchronized to the same visual level based on the baseline value you set up. After that, whenever you adjust the brightness, all screens will be adjusted simultaneously.

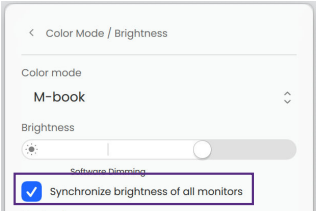
1. Adjust the brightness of your display and laptop to the same level.

   > **Tip**
   >
   > For better accuracy, it is recommended to use the same image or web page on different screens when adjusting.



2. Click next to the brightness slider to enable **Brightness Sync**. Or click > next to the color mode and check **Synchronize brightness of all monitors** to enable the function.
   The current settings of the brightness level for each screen will be used as the baseline for synchronization.



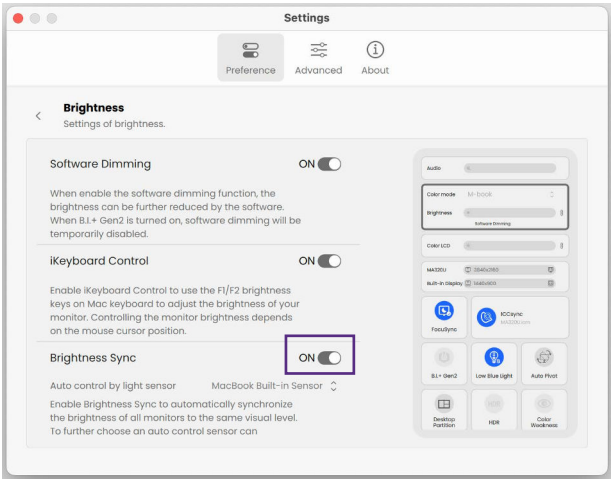


Auto brightness sync and adjustment controlled by light sensor

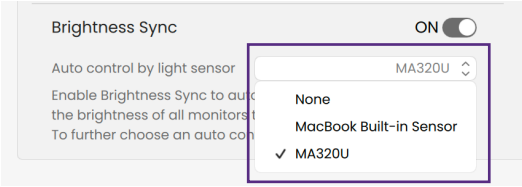
> Available on: MA series (macOS only)

With the built-in ambient light sensor on the monitor or on your MacBook device, **Display Pilot 2** adjusts the screen brightness automatically through the detection of the ambient light

1. Go to ••• (**Settings**) > **Preference** > **Brightness** and make sure **Brightness Sync** is enabled.



2. In **Auto control by light sensor**, select a sensor source. You can choose to use the built-in sensor of Macbook or the MA series display.



> **Note**
>
> Only when you select a MA-series display as your light source will **B.I.+ Gen2** function be enabled.

3. If you don't want to let any light sensor to adjust your screen brightness automatically, select **None**. At this time, both the B.I. function and the "Automatically adjust brightness" in your macOS system settings will be disabled. You can still manually adjust the brightness of all screens simultaneously through the brightness slider on the widget or iKeyboard Control.

Auto brightness and color temperature adjustment by **B.I. Gen2/B.I.+ Gen2**

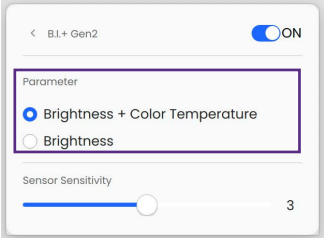
> Available on: RD/MA/EW series

> **Note**
>
> - The adjusted settings will be saved and applied by color mode switch. See Checking settings bundled with color mode on page 25 for details.
> - The performance of **B.I. Gen2/B.I.+ Gen2** may be impacted by the light sources and the monitor tilt angle.
> - **Software Dimming** will be disabled when **B.I. Gen2/B.I.+ Gen2** is turned on.

Brightness Intelligence Gen2 (B.I. Gen2) technology detects the ambient light, image brightness and contrast, and then balance the screen automatically. It helps keep image details as well as to reduce eye strain. As for **Brightness Intelligence Plus Gen2 (B.I.+ Gen2),** it adjusts both the brightness and color temperature for your screen.

1. Click / from the widget to enable **B.I. Gen2/B.I.+ Gen2**.
2. Click the function name **B.I. Gen2/B.I.+ Gen2** from the widget to adjust the settings.
   - (RD series only) You can turn on **Light Meter** to display the light condition around the monitor on the screen.

- (MA series only) You can choose to adjust both the brightness and color temperature of your screen automatically or brightness only.



- Drag the sensor sensitivity slider to adjust the sensitivity level of B.I. The sensitivity increases as the value increases.

Minimum brightness solution by **Night Hours Protection**

Available on: RD series

Note

The adjusted settings will be saved and applied by color mode switch. See Checking settings bundled with color mode on page 25 for details.

The **Night Hours Protection** aims to safeguard your eyes by offering a minimum brightness technology. Its intelligent ambient light detection and auto-switch capabilities ensure effortless and consistent eye care.

1. Click the icon or the function name **Night Hours Protection** from the widget to access the settings.
2. To activate the function, choose either **On** or **Auto Switch**. For **Auto Switch**, the monitor automatically enables or disables the function depending on your ambient light.
3. Under **Level**, adjust the value of the filter. A stronger effect is produced as the value increases.

Adjusting volume

Selected models only

You are provided with several ways to adjust the volume of the connected and selected speakers easily from the software.

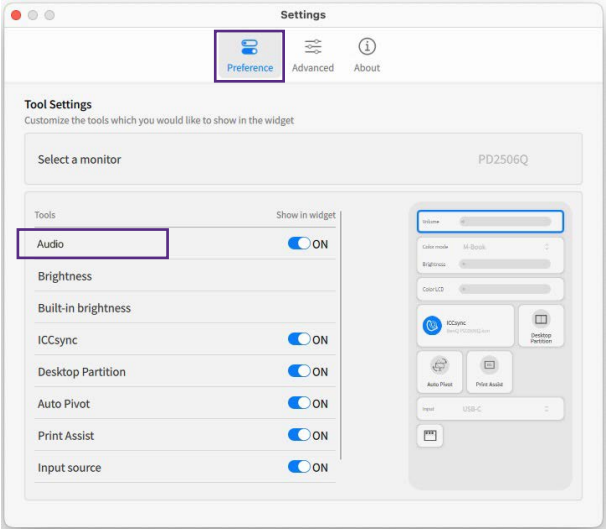
- Volume slider on the widget
- iKeyboard Control

Volume adjustment by **iKeyboard Control**

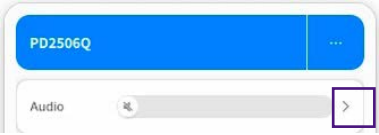
Available on: macOS and Apple keyboards (selected models only)

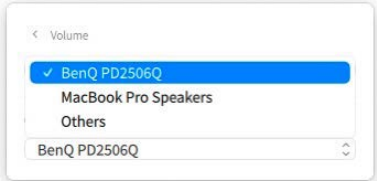
With **iKeyboard Control**, you can adjust the volume of the connected and selected speakers by pressing F10/F11/F12 keys on your Apple keyboard as usual.

1. Go to ••• **(Settings)** > **Preference** > **Audio**.



2. Make sure **iKeyboard Control** is enabled.
3. Click > next to **Audio** in the widget and select the preferred speakers from the **Output** dropdown list.





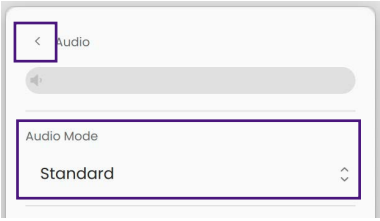
4. You can press F10/F11/F12 keys o your Apple keyboard to adjust the volume of the speakers selected in the previous step.

Changing an **Audio Mode**

Available on: MA/EW series

1. Click > next to **Audio** in the widget.

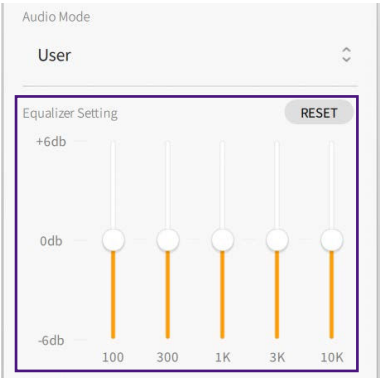
2. Select the preferred audio mode from the dropdown list.
3. After the adjustments are done, click < to exit.



Customizing an audio mode

Available on: EW series

If you prefer to set an audio mode of your own, select **User** from **Audio Mode**. Click and drag the sliders to adjust equalizer settings (different bands of frequency) as desired.



Rotating your screen (**Auto Pivot/Pivot**)

Rotating the screen automatically

Selected models that support **Auto Pivot** only

Note

Available only when there is a built-in rotation sensor on the monitor. Visit www.BenQ.com > the purchased model > the **Specifications** tab to see if **Auto Pivot** is supported.

Click from the widget to enable **Auto Pivot**. The screen goes with the monitor when being rotated.

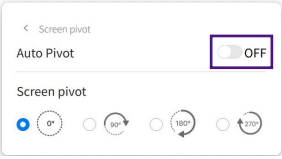
Rotating the screen manually

You can rotate the screen manually for models that support either **Auto Pivot** or **Pivot**.

1. Click the function name **Auto Pivot/Pivot** from the widget to access the settings.
2. Select a rotation angle. The setting will take effect immediately.

Note

For models with **Auto Pivot,** turn off **Auto Pivot** before you set the rotation angle manually.

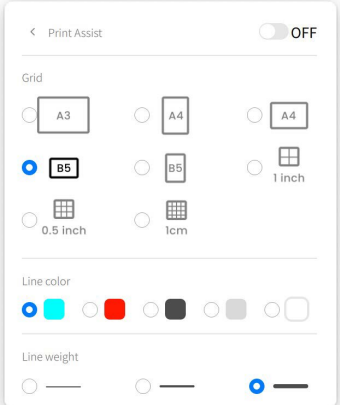


Previewing your design in actual print size (**Print Assist**)

Available on: PD series

As you can zoom in and out easily on the screen, you may need some measurement tool to know the dimension of your design and to place the illustrations accurately. **Print Assist** is helpful by showing the range of some standard print sizes or the grid lines. The range and the grid lines are for preview only and will not be printed.

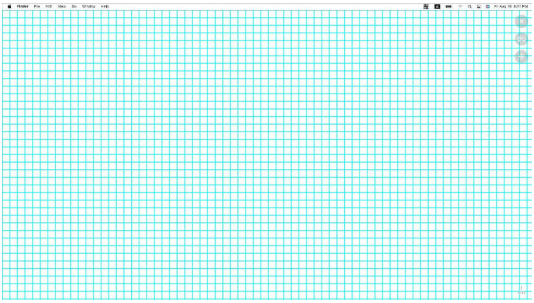
1. To enable **Print Assist**, click from the widget. The displayed icon varies according to the set print size.
2. Click the function name **Print Assist** from the widget to define the range of one of the standard print sizes or grid lines of different measurement increments.



3. Some icons are displayed with the print assist.
   - Drag and move to move print assist on the current screen.
   - (Available if supported) Select to move print assist to another supported external monitor.
   - Select to disable the **Print Assist** function.

Print size

Grid lines

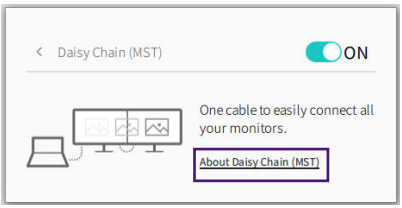


Connecting multiple monitors via **Daisy Chain (MST)**

Available on: PD/RD series (Windows only)

With connection via the USB-C or DP ports, you can output content to 1 or up to 4 monitors via **Daisy Chain (MST)**.

1. To enable **Daisy Chain (MST)**, click from the widget.
2. Click the function name **Daisy Chain (MST)** from the widget and click **About Daisy Chain (MST)** to view the connection guide.



Tip

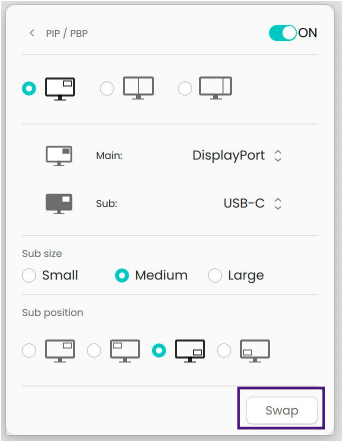
For connection and resolution information of each model, refer to the "Connecting multiple monitors" section in the respective user manual on BenQ website. Go to Support.benq.com to find the latest user manual.

Working with two or more video sources (**PIP / PBP**)

Available on: PD/RD series (selected models only)

The Picture-in-Picture (PIP) mode displays the main video source on the screen while the second source in an inset window. The Picture-by-Picture (PBP) mode allows to display images from two or more video sources side-by-side.

1. Make sure your have enough video sources and cables are connected properly between the monitor and the video sources. You can connect either 2 or 4 input sources. Available settings vary accordingly.
2. Click from the widget to enable **PIP / PBP**. The sources are detected and displayed automatically.
3. Click the function name **PIP / PBP** from the widget to determine how the windows are arranged on your monitor.
4. (Available if supported) Select **Swap** to switch the position of two input sources.



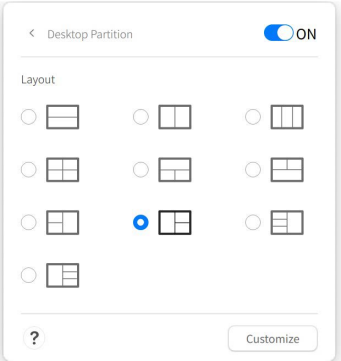
Managing the layout of multiple windows (**Desktop Partition**)

Select a preferred layout and arrange multiple application windows as desired. You can manage to show up to four windows simultaneously.

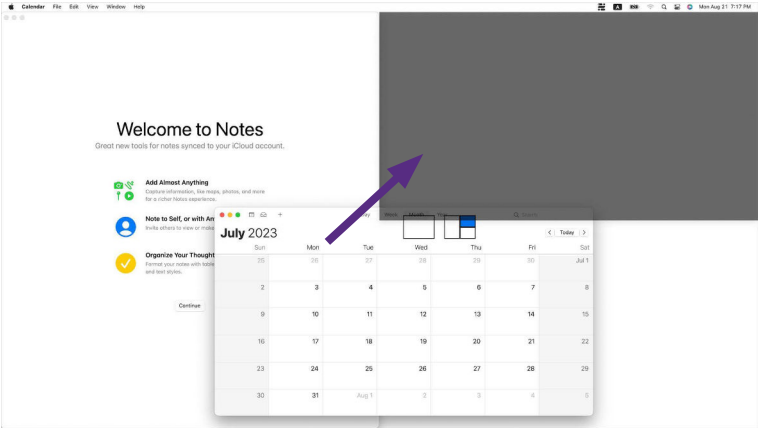
Using a preset layout

1. Click from the widget to enable **Desktop Partition**.

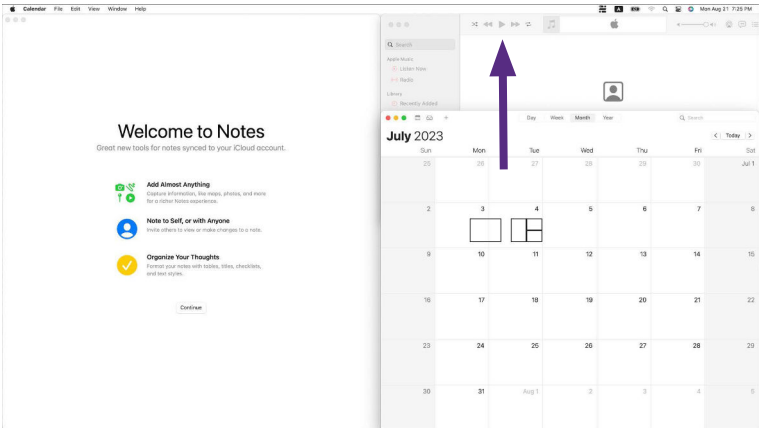
2. Click the function name **Desktop Partition** from the widget to choose a preset layout.



3. Go to one of the application windows and drag to move it. While a small layout appears as you move the window, drag and drop the window to the desired partition.

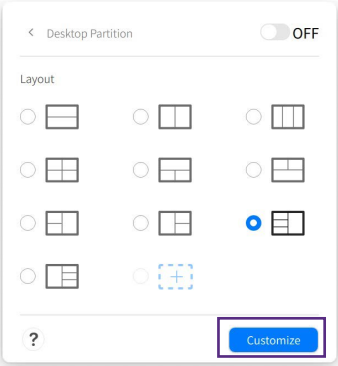


4. The window is then resized and fits into the selected partition. Repeat step 3 until all windows are organized as planned and are displayed simultaneously.
5. Resize a partition by dragging and dropping its edge if desired. Note that the changed layout is applied yet not saved. To save a resized layout, see Customizing a layout on page 50.

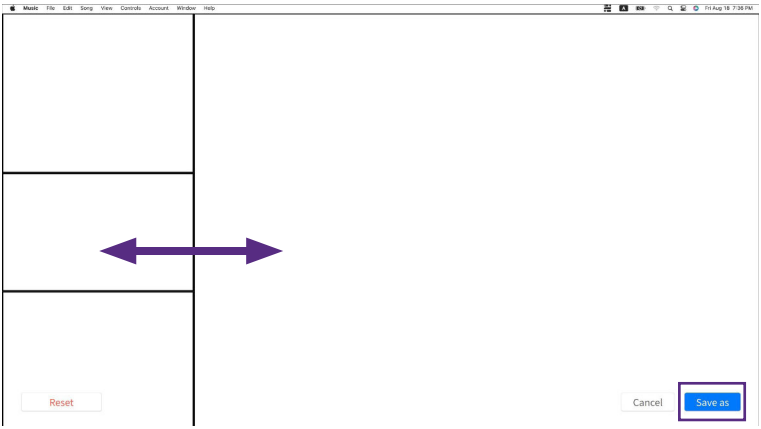


Customizing a layout

1. Click the function name **Desktop Partition** from the widget.
2. Select a preset layout as a base for modification.
3. Click **Customize**.



4. Resize a partition by dragging and dropping its edges.
5. After the adjustment is done, click **Save as** to save the new layout. The customized layout is then created for future use and is available from the layout list.



6. You can save up to two customized layouts. Delete a customized layout if you wish to create a new one.

Protecting screen privacy (**EcoPrivacy**)

Available on: RD series

EcoPrivacy helps save power and protect screen privacy by dimming your monitor once inactivity.

1. Click from the widget to enable **EcoPrivacy**.
2. Click the function name **EcoPrivacy** from the widget to adjust advanced options such as activation time and sensor sensitivity.

Using combination of keys to adjust monitor settings (**Shortcuts**)

Available on: RD/EW series

Note

Adjustment items vary depending on the series and OS.

Display Pilot 2 provides **Shortcuts** to help you quickly adjust monitor settings without using the mouse.

Using preset shortcuts

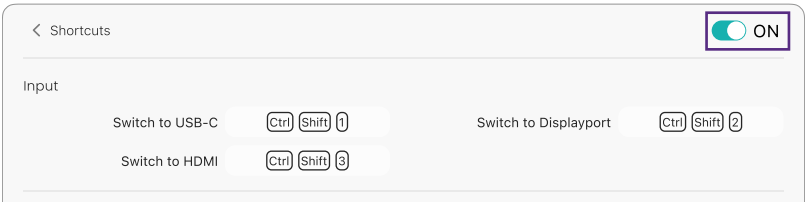
1. Click from the widget to enable **Shortcuts**.
2. Click the function name **Shortcuts** from the widget to view all available shortcuts.
3. Use the combination of keys to complete commands with your keyboard.

To set your own combination of keys, see Customizing shortcuts on page 52 for details.

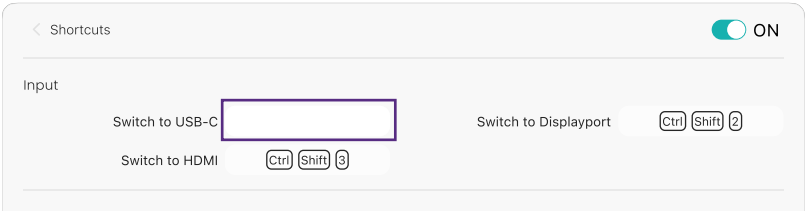
Customizing shortcuts

In addition to using the preset shortcuts, you can also customize your own combination of keys.

1. Click the function name **Shortcuts** from the widget.
2. Make sure the function is enabled.

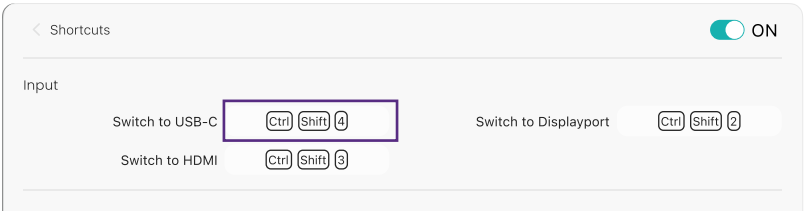


3. Click on the combination of keys that you want to customize. The area turns blank.

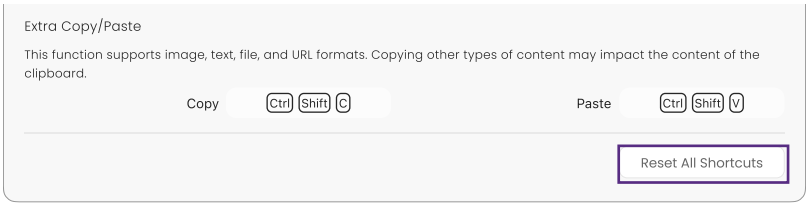


4. Press the combination of keys that you want to assign. Changes will be saved automatically.

> **Note**
>
> If the shortcut is already used, a notification message will pop up and the shortcut will return to the last settings.



5. To restore shortcuts to default, click **Reset All Shortcuts** at the bottom of the **Shortcuts** settings window.



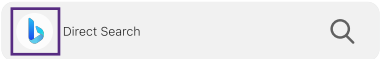
Accessing search engines directly (**Direct Search**)

Available on: RD series

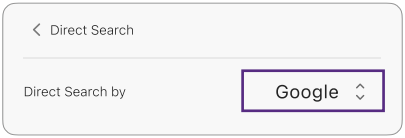
> **Note**
> Current available options include Google, ChatGPT, Bing, and Baidu. Available options vary by region.

With **Direct Search**, you can access commonly used search engines and search directly through the **Display Pilot 2** interface.

1. Click the search engine icon to access the setting window.



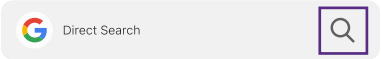
2. From the setting window, choose a search engine that you prefer.



3. Click the search area and type your search term directly.

> **Note:** Typing in the search area is not available for ChatGPT. Directly click → to open ChatGPT in your browser.

4. Click 🔍 to open the browser and find the search result.



Customizing your own focus scenarios (**FocuSync**)

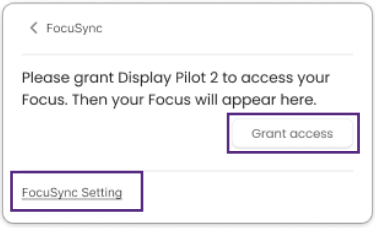
Available on: MA series (macOS only)

FocuSync automatically synchronizes the Focus status of your macOS and applies your preset display settings to each Focus mode.

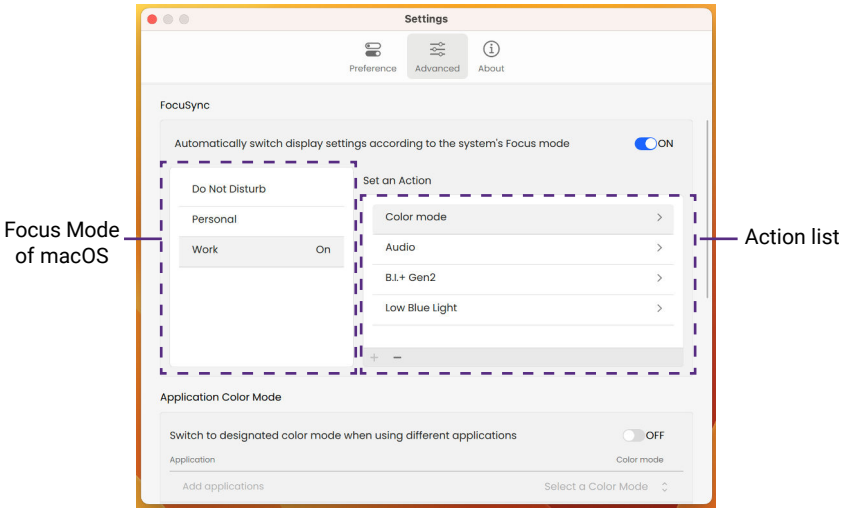
1. To start using this function, click or the function name **FocuSync** from the widget and make sure you have granted access to **Display Pilot 2**.

   > **Note**
   >
   > To manually grant access to Display Pilot 2, go to **System Settings** > **Privacy & Security** > **Full Disk Access** in macOS and turn on the toggle for **Display Pilot 2**.

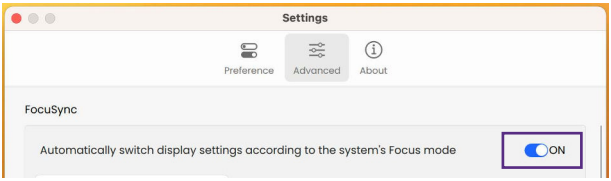
2. To set your own display settings that goes with your macOS Focus , select **FocuSync Setting**, or go to (**Settings**) > **Advanced**> **FocuSync.**



3. In the **FocuSync** section, the left column shows all the Focus mode from your macOS. Select a Focus mode in the left column, and then click + from the right column to set actions or corresponding settings that you want to apply to this Focus mode.



4. To remove an action from the list, select it and click −.
5. Switch on **FocuSync** or click from the widget to turn the function on or off.

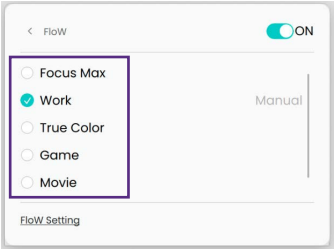


Arranging bundled display settings based on daily scenarios (**FloW**)

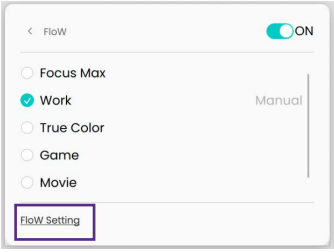
Available on: RD series

By using **FloW**, you can set up a group of display settings that goes with your daily scenarios and switch the scenarios manually or schedule a time to trigger the settings automatically.

1. Click from the widget to enable **FloW**.
2. Click the function name **FloW** from the widget and select a scenario to apply.

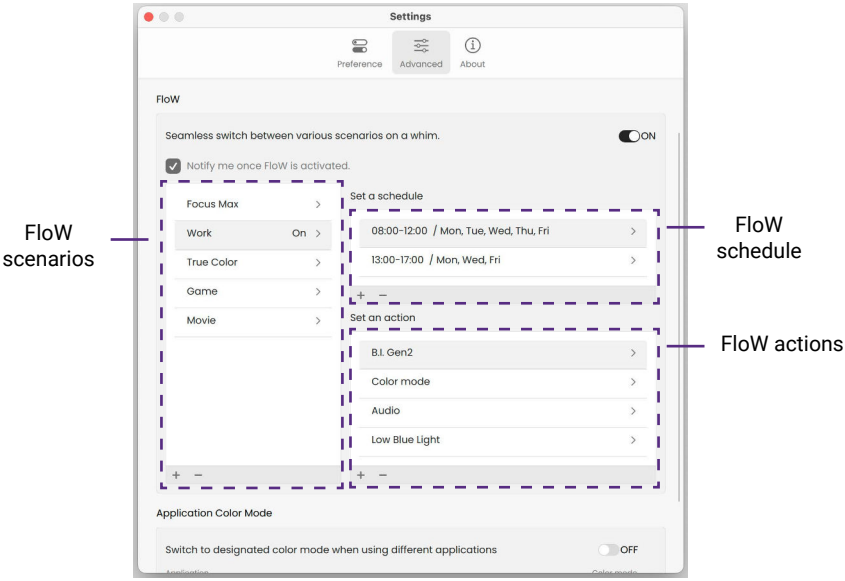


3. To start and adjust the scenario settings, click **FloW Setting**. Or go to (**Settings**) > **Advanced**> **FloW**. See Adjusting FloW settings on page 56 for more information.

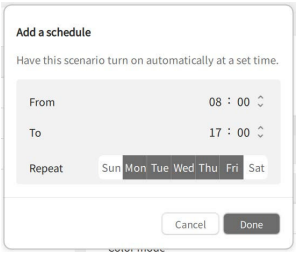


Adjusting **FloW** settings

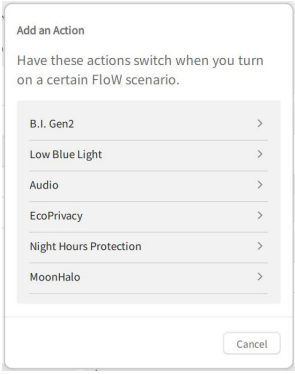
Go to ••• (**Settings**) > **Advanced**> **FloW** to set your scenario rules.



1. In the left column, select a preset scenario from the list. Click + to add a scenario and click > to rename.
2. After a scenario is selected, in the upper right column, click + to set a schedule to trigger the scenario automatically. If no schedule is set, you can still switch between different scenarios by selecting it manually.



3. In the lower right column, click + to arrange corresponding settings that you want to apply to this scenario. Besides applying customized display settings, you can also select "**Open Application**" and add designated apps to the action list. This way, when the scenario is activated, the apps will launch automatically.



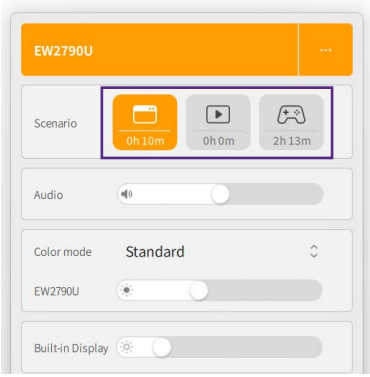
4. To edit a current schedule or action from the list, select it and click > .
5. To remove an item, select it and click − .

Switching monitor settings quickly for preset scenarios (**Scenario**)

Available on: EW series

Your monitor may be used for various tasks and different settings may be required. Save three sets of preferred settings for work/study, video/audio playback, and gaming respectively, and apply them in just one click.

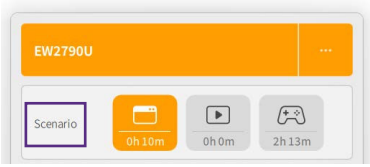
1. Click one scenario to apply immediately. The scenario is applied when its icon is highlighted.



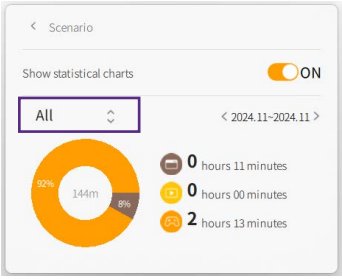
2. If you adjust the following settings on a scenario, the changes are applied immediately and the scenario settings are updated.
   - volume
   - audio mode
   - color mode

- brightness
- Low Blue Light

3. Decide how to display the time each scenario was applied. To change the setting, click **Scenario**.



4. Decide if you want to display the statistics and the range of values to be displayed.



Adjusting contrast automatically in real-time (**AI Contrast**)

Available on: EW series

With **AI Contrast** enabled, the image contrast can be dynamically adjusted according to the displayed content. This function helps ensure optimal detail presentation, which is particularly beneficial for HDR content, where details in dark areas are easily lost.

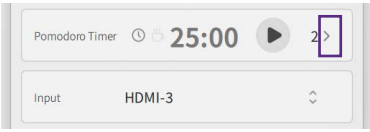
Click from the widget to enable **AI Contrast**.

Managing your time efficiently by **Pomodoro Timer**

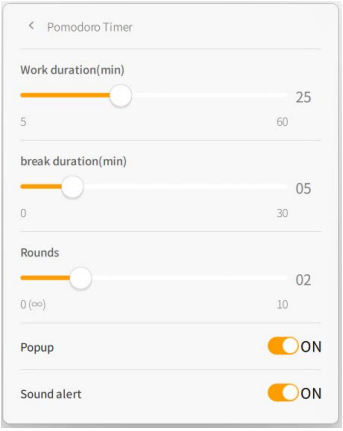
Available on: EW series

This function helps remind you of time to work and rest by a countdown timer.

1. To set the time duration, click > .



2. Drag the sliders to adjust the timer for work and break respectively. And set how many times to repeat in **Rounds**. If the **Rounds** is **0**, the timer keeps repeating.
   You can decide whether to be notified by a popup message or a sound alert when a session ends.



3. You need to manually start a timer. Click from the widget to start the countdown timer. The icon shows it is a work session.

4. When the work session ends, click from the popup window or widget to start the break timer. The icon shows it is a break.

> **Note**
>
> You can't change the timer setting during a countdown. Stop the timer first by clicking .

Backing up your settings to cloud storage

> Available only when you are logged in to Google, WeChat, or Apple account.

The cloud storage service is provided for logged-in users of the software. You can back up the following software settings to the cloud.

- All settings and customizations from ••• (**Settings**) > **Preference/Advanced**
- Changed color settings for each color mode
- Customized ICC profiles
- Customized **Desktop Partition** layouts

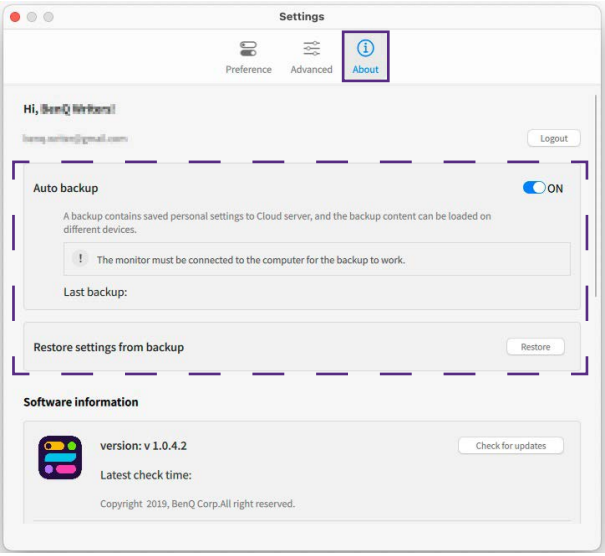
Once the settings have been saved to the cloud, if you need to work with another computer or monitor, or restore your preferences, you can load the software settings from the cloud.

Function	Backup frequency	Backup file(s) on cloud
Auto backup	Twice a day	The cloud service saves the last backup file.
Manual backup	Anytime	The cloud service saves the last three backup files.

Uploading software settings to the cloud

1. Make sure the computer is connected to the Internet and you are logged in to one of the supported account services.
2. Go to ••• (**Settings**) > **About**. The **Auto backup** function is switched on by default since you are logged in. Auto backup is performed as scheduled if the external monitor is properly connected and powered on. Switch **Auto backup** function off and the **Backup** button is displayed. You can manually back up as desired.

Function	Backup frequency	Backup file(s) on cloud
Auto backup	Twice a day as preset by software	Only the latest backup file is saved on the cloud.
Manual backup	Anytime	You can name and save up to three backup files on the cloud. To save a new one after that, you need to select an old file and replace it by a new one.



Loading settings from the cloud

1. Make sure the computer is connected to the Internet and you are logged in to one of the supported account services.
2. Go to ••• (**Settings**) > **About**.
3. Click **Restore** and select to load one of the backup files and restore your monitor to the selected settings. Follow the on-screen instructions.

Looking for assistance

Should you have any problem, go to Troubleshooting on page 59 to see if your problem can be resolved.

Alternatively, go to ••• (**Settings**) > **About** for more support.

Reading the latest user manual

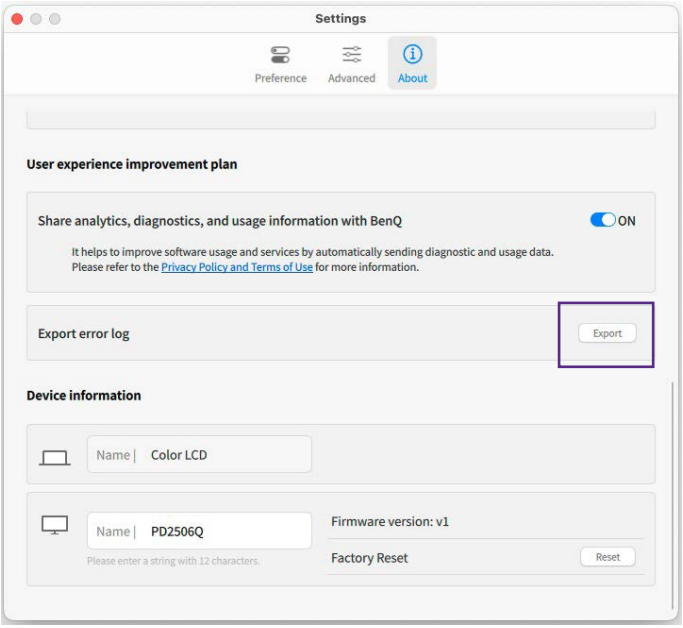
> Network connection required.

Click **Display Pilot 2 user manual** from ••• (**Settings**) > **About**. You can access the latest manual version from BenQ website.

Contacting customer service

> Network connection required.

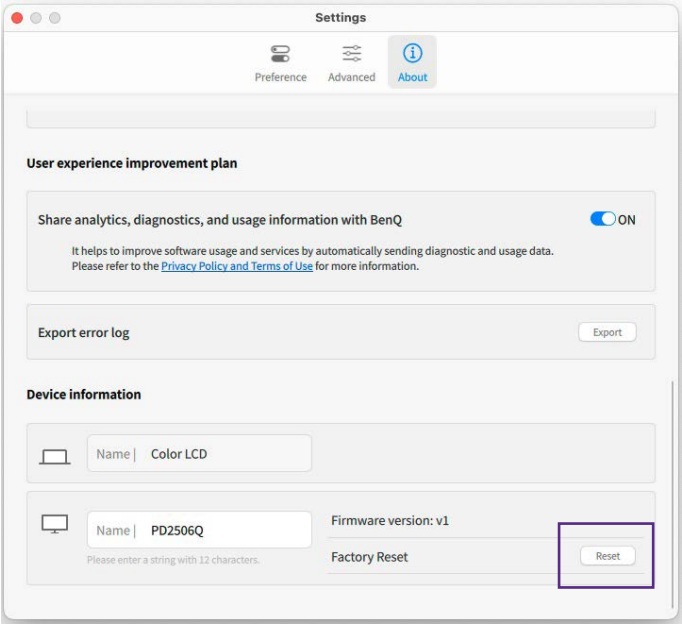
Click **Export** from ••• (**Settings**) > **About** to provide the log ID generated by the software to customer service. With the log ID, the personnel will be able to look into your problem from the system backend.



Resetting the system

If you prefer to restore the system to factory default settings, go to (**Settings**) > **About** > **Reset**. All the customized changes will be reset.

> **Note**
>
> To set a color mode only, set the color mode from the widget and go to the color mode setting. Select **Reset Color**.



Exiting the software

Right-click the icon in the system tray/menu bar, and select **Quit Display Pilot 2**.

Troubleshooting

How to obtain the latest software automatically?

Enable **Automatically check for updates** from ••• (**Settings**) > **About** and you will be notified when an software update is available. See Updating the software on page 9 for more information.

I can't change to other color modes in Display Pilot 2. There is only HDR mode available on the list.

The monitor is switched to HDR mode if it is enabled from the operating system (OS) of your computer and the input source is HDR-compatible.

Disable HDR setting from the OS if you prefer to work with other color modes. Depending on the operating system on your computer, different procedures should be followed. Refer to the help document of your operating system for details or the following links to access the HDR settings.

- On Windows: https://support.microsoft.com/en-us/windows/hdr-settings-in-windows-2d767185-38ec-7fdc-6f97-bbc6c5ef24e6
- On macOS: https://support.apple.com/en-us/HT210980

The monitor does not respond to my setting changes of a color mode.

Check the following.

1. Make sure HDR is disabled from the OS. Refer to the help document of your operating system for details or the following links to access the HDR settings.
   - On Windows: https://support.microsoft.com/en-us/windows/hdr-settings-in-windows-2d767185-38ec-7fdc-6f97-bbc6c5ef24e6
   - On macOS: https://support.apple.com/en-us/HT210980
2. Make sure the DDC/CI control is enabled from the monitor's OSD menu. Go to **System** > **Advanced** > **DDC/CI** > **ON**.

iKeyboard Control is not working.

Check the following.

- Quit the software as instructed in Exiting the software on page 58.
  Restart the software and follow the instructions in Brightness adjustment by iKeyboard Control on page 33.
- Make sure **Display Pilot 2** is available under the **Applications** folder on your Mac. If it is not, reboot your computer and install the software again.
- Make sure you have granted access to this software to use accessibility and input monitoring features. Go to **System Settings** > **Privacy & Security** > **Accessibility** and **Input Monitoring**.
  - If **Display Pilot 2** is not available, click + and add it from **Applications**. Make sure the software is allowed to control the computer.
  - If **Display Pilot 2** is available and disabled, enable it so it is allowed to control the computer.
  - If **Display Pilot 2** is available and enabled. Select it and click − to delete. Click + and add it from **Applications** again. Make sure the software is allowed to control the computer.

  Reboot your computer and restart **Display Pilot 2**. Try with **iKeyboard Control** again.

FocuSync is not working.

Check the following.

- Make sure **Display Pilot 2** is available under the **Applications** folder on your Mac. If it is not, reboot your computer and install the software again.
- Make sure you have granted full disk access to this software. On your Mac, go to **System Settings** > **Privacy & Security** > **Full Disk Access**.
  - If **Display Pilot 2** is not available, click + and add it from **Applications**. Make sure the software is allowed to control the computer.
  - If **Display Pilot 2** is available and disabled, enable it so it is allowed to control the computer.
  - If **Display Pilot 2** is available and enabled. Select it and click − to delete. Click + and add it from **Applications** again. Make sure the software is allowed to control the computer.

  Reboot your computer and restart **Display Pilot 2**. Try with **FocuSync** again.
- Go to **System Settings** > **Control Center** > **Focus**. Make sure to choose either **Show When Active** or **Always Show in Menu Bar**.

Some certain function is not working.

In **Display Pilot 2**, click **Export** from ••• **(Settings)** > **About** to provide the log ID generated by the software to customer service. See Contacting customer service on page 57 for more information.

Need more help?

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

Support.BenQ.com

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