EIZO’s ColorEdge color management monitor supports a wide variety of creative work. This guidebook provides an introduction to calibration using ColorNavigator, EIZO’s dedicated calibration software.
If you use ColorNavigator with your ColorEdge monitor, you can achieve accurate display tailored to your purpose.

For example, when creating printed material...

- **Creating on your ColorEdge monitor**
  - ColorEdge calibrated with ColorNavigator for correct display
  - Being able to check the colors of the completed printed material on your screen improves work efficiency and product quality!

- **Creating on a regular monitor**
  - Incorrect display on an uncalibrated monitor
  - It takes time and effort and costs money to correct printed material when the screen output differs from the actual print.

Retouching digital photos

Creating Web content

Viewing microbes

Creating videos

Working on the same output

Smooth interactions between remote locations

Apply identical adjustment values

Completed

Printed material

Retouch

Creating on your ColorEdge monitor

Created

ColorEdge calibrated with ColorNavigator for correct display

Incorrect display on an uncalibrated monitor

Completed

Being able to check the colors of the completed printed material on your screen improves work efficiency and product quality!

It takes time and effort and costs money to correct printed material when the screen output differs from the actual print.
Easy! 4-step monitor calibration

**STEP 1**
Launch ColorNavigator

- For Windows
  Double-click on the butterfly icon

- For Mac
  Double-click on the butterfly icon in the Dock

Confirm in advance
Before launching the program, make sure that your monitor and PC are connected by a USB cable.

**STEP 2**
Select the adjustment target that matches how you use your monitor

Three preset adjustment targets are provided. Each of them has appropriate values preset for the intended use of the monitor.

- **For digital photo viewing and retouching**
  Target values –
  Brightness: 100 cd/m²
  Color temperature: 5500 K
  Gamma value: 2.2

- **For printed material production**
  Target values –
  Brightness: 80 cd/m²
  Color temperature: 5500 K
  Gamma value: 2.2

- **For web content production and web browsing**
  Target values –
  Brightness: 80 cd/m²
  Color temperature: 6500 K
  Gamma value: 2.2

**STEP 3**
Preparing the sensor

- **For the CG series**
  Select your monitor's built-in sensor as your measurement device. For the reference device select “None”, and click on the button.

- **For the CX and CS series**
  Attach the external calibration sensor to the monitor.

Select your sensor's name as your measurement device, click on the button, and follow the instructions on the screen.

Click on the button.

When the sensor is placed on the screen, click on the button.

- Tilting the monitor upward fixes the sensor in place and makes color measurements easier.
- After turning on the monitor, it is necessary to wait 60 minutes while the adjustment results from the external calibration sensor are saved to the built-in correction sensor.

**STEP 4**
Automatic calibration

- **For the CG series**
  The built-in calibration sensor adjusts the monitor.

- **For the CX and CS series**
  The external calibration sensor adjusts the monitor. The built-in correction sensor* saves the adjustment values from that sensor.

*Not available with the ColorEdge CS240.

After confirming on the adjustment results screen that there are no major gaps between "Target" and "Result" values, click on the button.

The display returns to the initial screen, and the adjustment target name is marked with a blue circle.

All you need to do is follow the steps – a simple job that takes only a few minutes. Now you know you can rely on the monitor for your work.
An additional 4 steps for more accurate color matchings

Now we’ll show you how to improve the accuracy of color matching for printed output after calibrating the monitor using the adjustment target “For printing”.

**STEP 1**
Select “Adjust manually” from among the buttons in the upper right side of the screen.

This is a fine-tuning function that adjusts the target values you have just calibrated. Three types of adjustments can be performed using Manual Adjustment: “Brightness”, “White point”, and “6 Colors”.

**STEP 2**
While comparing your printed output with the display on the monitor, adjust “Brightness” and “White Point”.

Adjust the screen luminance (brightness) until it approximates the appearance of the printed output. If the screen output is darker than the printed output, move the cursor to the right.

Adjust the screen color tone (whiteness) until it approximates the appearance of the printed output. If the screen output seems blue, move the pointer away from the blue spectrum and toward the red end of the spectrum to remove excess blue.

**STEP 3**
Do this only when necessary

Fine-tune the Hue and Saturation for each of the 6 Colors (RGB, CMY).

This function can also be used when you want to fine-tune the hue or saturation of one particular color.

If the light blue on the monitor is too dark when compared with the printed output, move the Hue B (Blue) cursor to the left.

If the red on the monitor is too vivid when compared with the printed output, move the Saturation R (Red) cursor to the left.

When fine-tuning is completed, click on the button.

**STEP 4**
Recalibration

Use the calibration sensor to set a new adjustment target that reflects the post-adjustment values.

When manual adjustment is correctly performed, color matching between the printed output and the monitor is further improved.

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**ColorNavigator can do much more**

ColorNavigator is equipped with a variety of application functions to suit many different uses. Here we provide a simple introduction to one of those functions.

**Adjustment targets can be added**

You can add new adjustment targets that suit your needs, rather than use the preset adjustment targets. On the lower left side of the monitor, select.

**Select the target creation method**

To make adjustments using numerical values that you specify, select “Enter manually”. To match the measurement values of ambient light and printing paper collected by sensors, select “Measure a target”. To set the target to the existing RGB profile, select “Load a profile”.

To perform “Enter manually”

Move the “Brightness” and “White point” cursors manually. (Recommended brightness: 80-120 cd/m², recommended white point: 5000-6500 K). Values for color gamut, black luminance, and gamma can also be set manually.
Maintaining stable image display with ColorEdge is effortless

Make regular adjustments

With continued use, monitors lose the ability to display colors correctly, becoming darker (the brightness dims) or the hue changes (the color temperature changes). To restore the monitor to its original state, it is necessary to readjust the settings.

**Point** This is convenient!

Leave regular adjustments to the monitor

Once you set the schedule, monitors with built-in sensors will automatically calibrate themselves based on that timing. You can set self-calibration to be performed when the computer is off or when nobody is using it, meaning that it won’t get in the way of work.

**For the CG series**

Calibration using the built-in sensor

The same sensor automatically performs regular calibrations and maintains the display.

Performance settings

Select “SelfCalibration Schedule” from the “Advanced” drop-down menu.

**For the CX and CS series**

The built-in correction sensor automatically adjusts brightness and white point at regular intervals and maintains the display.

Performance settings

Select “SelfCalibration settings” from “Advanced”.

Select up to 4 target values to be automatically adjusted by the built-in sensor.

**Selection method**

- **For Mac**
  - While holding down the control key, click on “Adjustment target” — Select “Set SelfCalibration/Self Correction target”.

- **For Windows**
  - Right click on “Adjustment target” — Select “Set SelfCalibration/Self Correction target”.

A  mark will be displayed on the selected target value.

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Select “Set SelfCalibration/Self Correction target”.

A  mark will be displayed on the selected target value.

Point

**For the CG series**

SelfCalibration schedule

- Not available with the ColorEdge CS240.

Readjusting the monitor

Do this every 200 hours!

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