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 6 with your ColorEdge monitor, you can achieve accurate display tailored to your purpose.

For example, when creating printed material...

- **Creating on your ColorEdge monitor**
  - 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**
  - 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 6
- For Windows: Double-click on the butterfly icon
- For Mac: Double-click on the butterfly icon in the Dock

**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 or external sensor as your measurement device.
- For the reference device select “None”, and click on the button.
- Click on the button.

**For the CX and CS series**
- Attach the external calibration sensor to the monitor.
- 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**
- After confirming on the adjustment results screen that there are no major gaps between “Target” and “Result” values, click on the button.
- The external calibration sensor adjusts the monitor.
- The built-in correction sensor saves the adjustment values from that sensor.
  - *Only available with the CX Series and CS230.

**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”.

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”.

2. While comparing your printed output with the display on the monitor, adjust “Brightness” and “White Point”
   Adjust the screen color tone (whiteness) 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 luminance (brightness) 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.

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.

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

   - Values for color gamut, black luminance, and gamma can also be set manually.

ColorNavigator 6 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:

- Create a new target

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.

Correct display
Changes with use over time
Readjusting the monitor

Restore

Do this every 200 hours!

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.

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.

For the CG series
Calibration using the built-in sensor
The same sensor automatically performs regular calibrations and maintains the display.

For the CX and CS series
The built-in correction sensor* saves the calibration results of the external sensor.
*Only available with the CX Series and CS230.

Point: This is convenient!
For the CG series
Select SelfCalibration schedule from the “Advanced” drop-down menu.
Check “Enable SelfCalibration” and you can set the timing in months, weeks or elapsed time of use.

For the CX and CS series
Select from “Advanced”.
Check “Enable SelfCorrection” and you can set the timing in elapsed time of use.