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Dedicated software for ColorEdge calibration

ColorNavigator™ 6

Easy-to-understand How-to-Use Guide

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...

- **ColorEdge calibrated with ColorNavigator 6 for correct display**
  - 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!
  - Printed material

- **Incorrect display on an uncalibrated monitor**
  - 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.
  - Printed material

United States of America

Japan
Easy! 4-step monitor calibration

1. **Launch ColorNavigator 6**
   - **For Windows**: Double-click on the butterfly icon.
   - **For Mac**: Double-click on the butterfly icon in the Dock.

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**: Brightness: 100 cd/m², Color temperature: 5500 K, Gamma value: 2.2
     - **For printed material production**: Brightness: 80 cd/m², Color temperature: 5000 K, Gamma value: 2.2
     - **For web content production and web browsing**: Brightness: 80 cd/m², Color temperature: 6500 K, Gamma value: 2.2

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 **Proceed** 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 **Proceed** button.

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.
   - **Calibration completed.**
     - After confirming on the adjustment results screen that there are no major gaps between “Target” and “Result” values, click on the **Finish** button.
   - The display returns to the initial screen, and the adjustment target name is marked with a blue circle.

   - **Tips**
     - 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.

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 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.

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.

**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.

**STEP 4**
Recalibration

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

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.

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.

Performance settings

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

The built-in correction sensor saves the calibration results of the external sensor.

*Only available with the CX Series and CS230.

Performance settings

Select “SelfCalibration settings” from “Advanced”.

Check “Enable SelfCorrection” and you can set the timing in elapsed time of use.

Calibration using the built-in sensor

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