



Color Management Software

# ColorNavigator™



Dedicated software for ColorEdge calibration

# ColorNavigator™ 6

## Easy-to-understand How-to-Use Guide

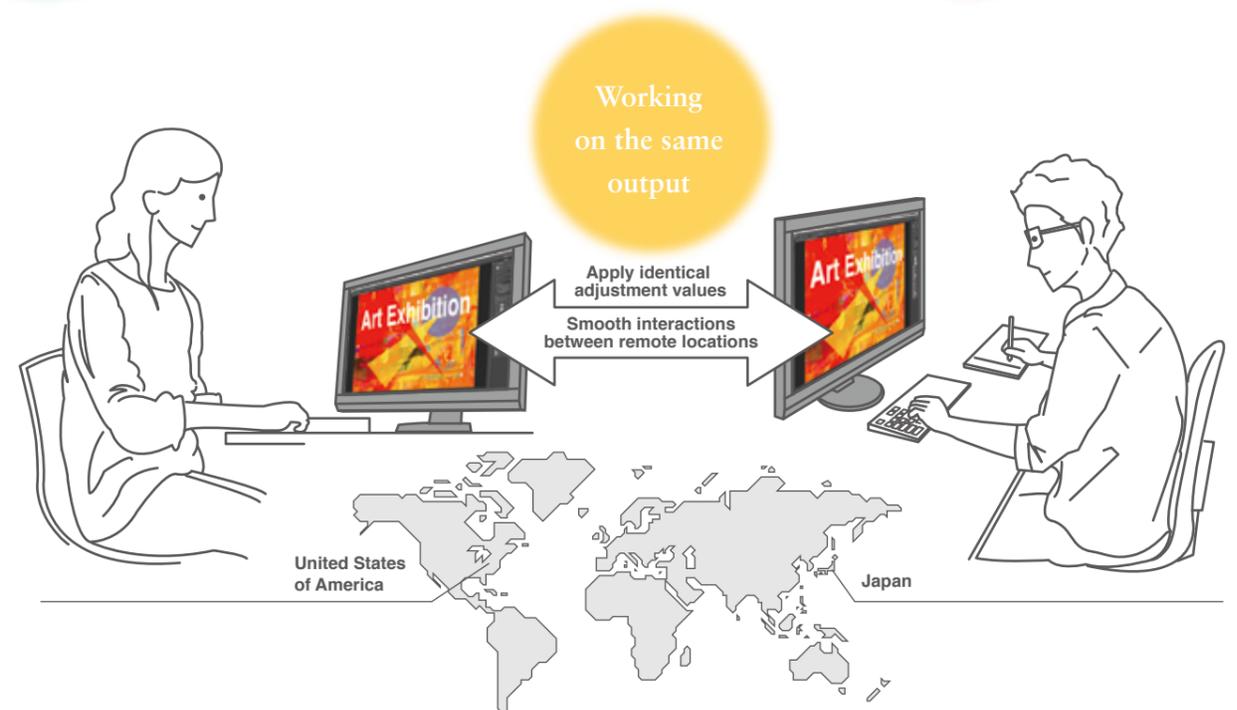
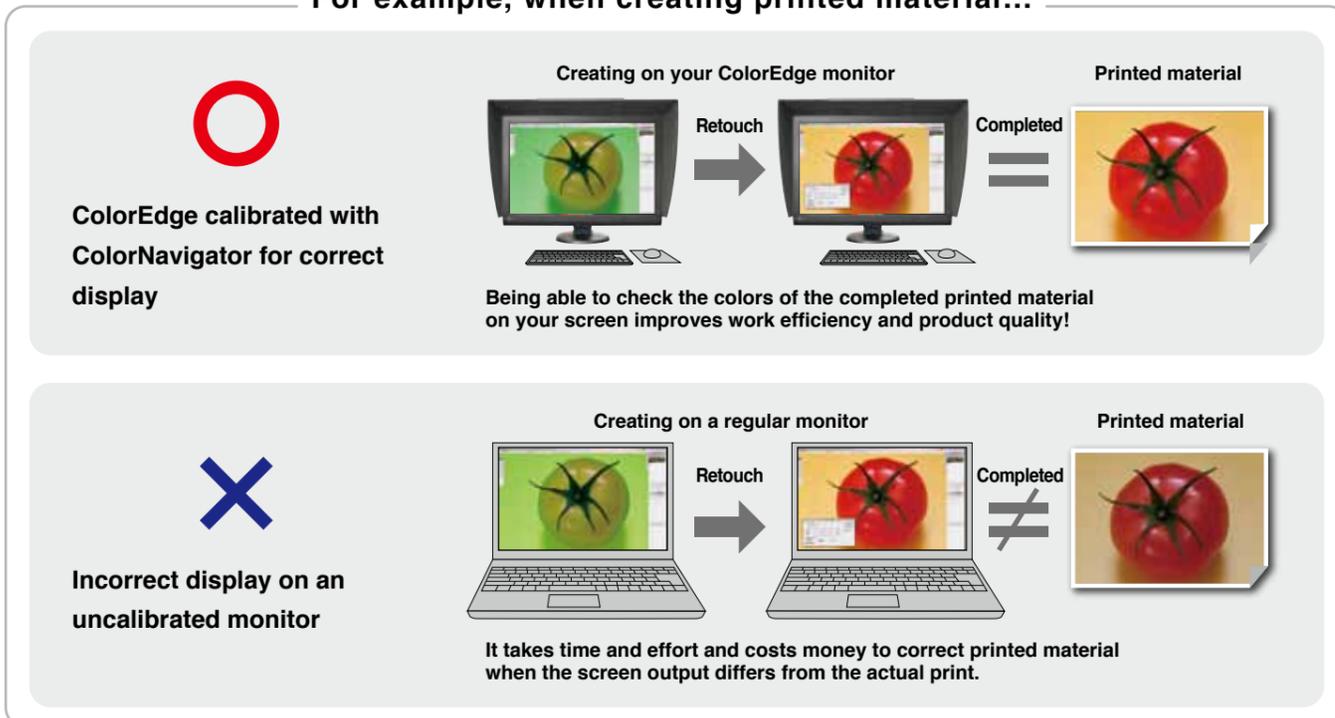
EIZO's ColorEdge color management monitor supports a wide variety of creative work. This guidebook provides an introduction to calibration using ColorNavigator, EIZO's dedicated calibration software.



If you use ColorNavigator with your ColorEdge monitor, you can achieve accurate display tailored to your purpose.



For example, when creating printed material...



# Easy! 4-step monitor calibration

STEP 1

## Launch ColorNavigator

**For Windows**

Double-click on the butterfly icon



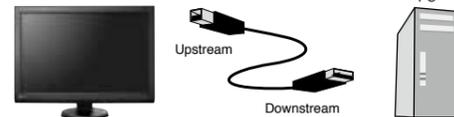
**For Mac**

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/m<sup>2</sup>  
 Color temperature: 5500 K  
 Gamma value: 2.2



### For printed material production

Target values –  
 Brightness: 80 cd/m<sup>2</sup>  
 Color temperature: 5000 K  
 Gamma value: 2.2

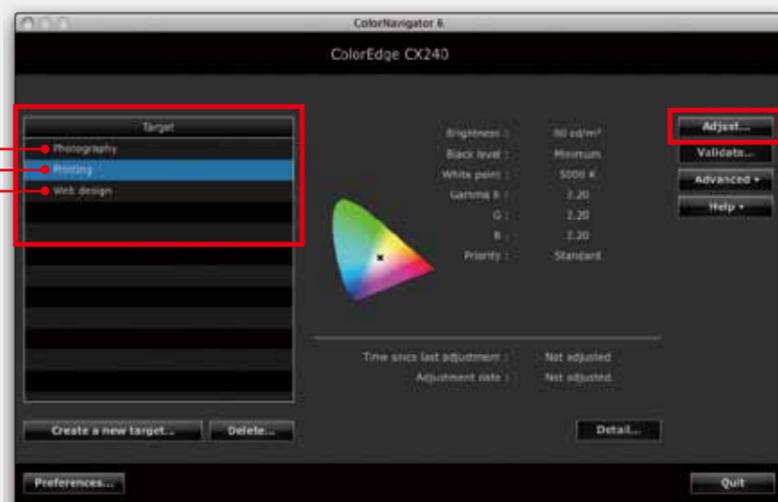


### For web content production and web browsing

Target values –  
 Brightness: 80 cd/m<sup>2</sup>  
 Color temperature: 6500 K  
 Gamma value: 2.2



Select your preferred target value and click on the **Adjust ...** button.

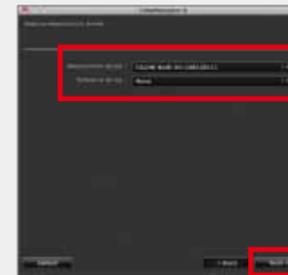


STEP 3

## 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 **Next >** button.



Click on the **Proceed** button.

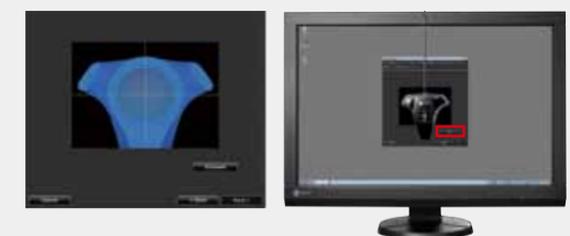


**For the CX and CS series**

Attach the external calibration sensor to the monitor.



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



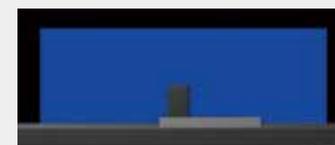
When the sensor is placed on the screen, click on the **Proceed** button.

- 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

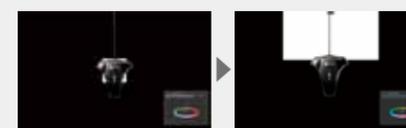
## Automatic calibration

**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.

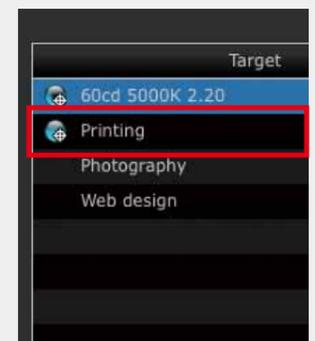
The built-in correction sensor\* saves the adjustment values from that sensor.

\*Not available with the ColorEdge CS240.

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.

- At this time, the monitor color data and profiles that are necessary for color management are also created and saved automatically.

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.

# 4

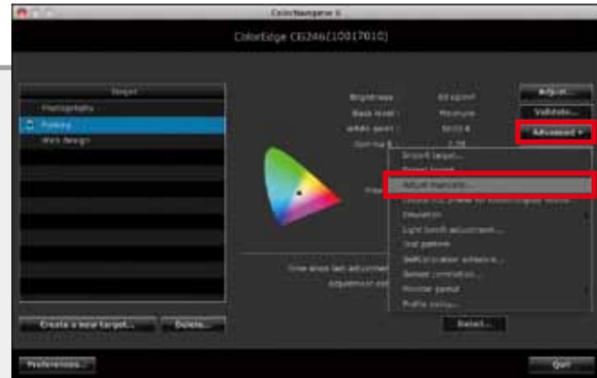
## An additional 4 steps for more accurate color matchings

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 **Advanced** 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".



Compare the colors of your printed output with the colors displayed on the monitor



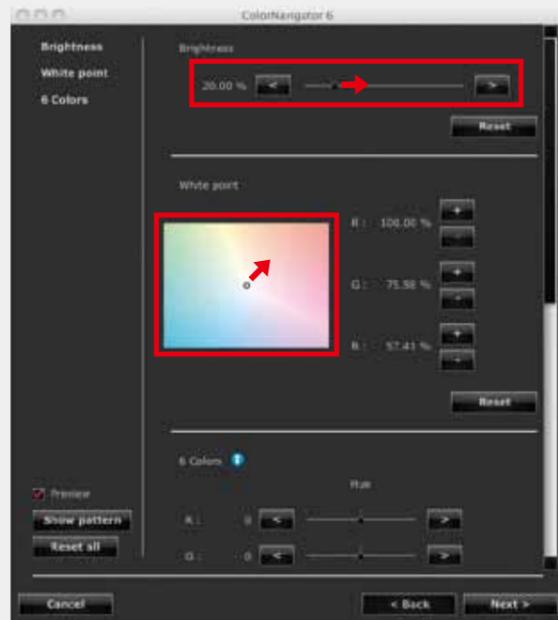
### STEP 2

#### 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.

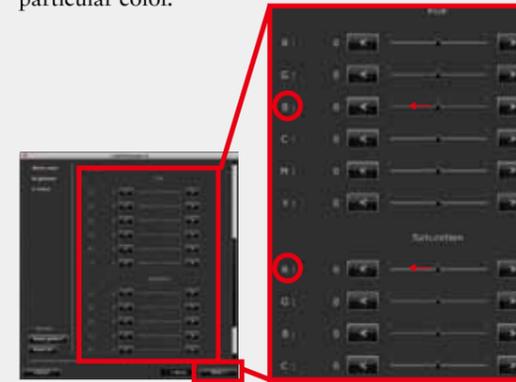


### STEP 3

#### 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.



The light blue is too dark



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.

The red is too vivid.



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 **Next >** button.

### STEP 4

#### Recalibration

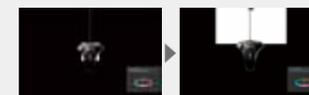
Use the calibration sensor to set a new adjustment target that reflects the post-adjustment values.

##### 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.

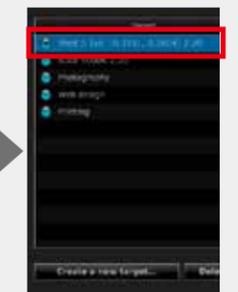
Calibration completed.



When the adjustment results are displayed, click on the **Next >** button.



Create a new target name and click on the **Finish** button.



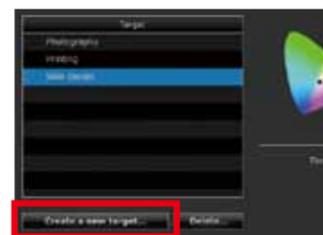
The new adjustment targets are added to the target list.

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

## 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



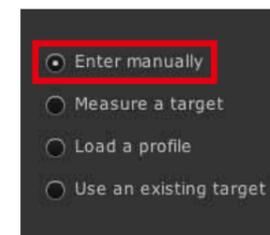
You can add new adjustment targets that suit your needs, rather than use the preset adjustment targets.

On the lower left side of the monitor, select

Create a new target ...

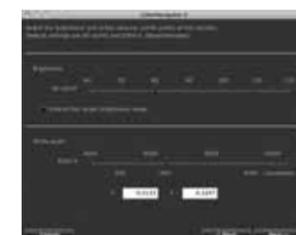
### Select the target creation method

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"

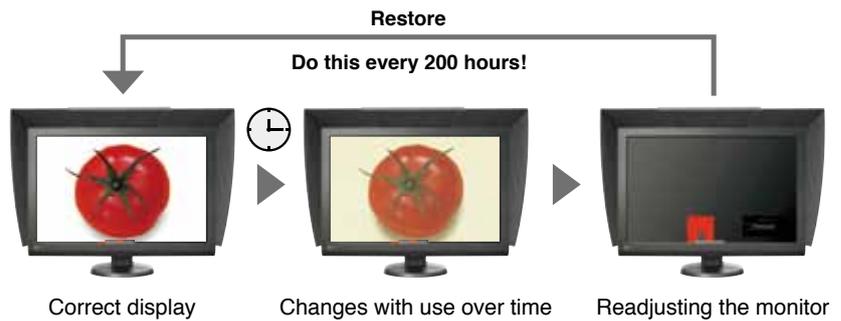
Move the "Brightness" and "White point" cursors manually. (Recommended brightness: 80-120 cd/m<sup>2</sup>, recommended white point: 5000-6500 K) Values for color gamut, black luminance, and gamma can also be set manually.



# 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.

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 globe mark will be displayed on the selected target value.

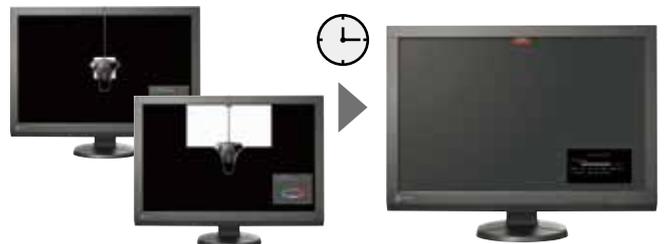
### For the CG series



Calibration using the built-in sensor

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

### For the CX and CS series

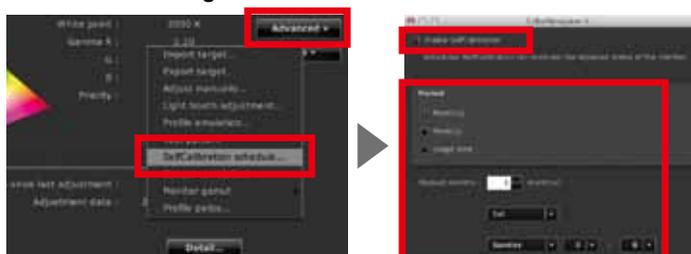


The built-in correction sensor\* saves the calibration results of the external sensor.

\*Not available with the ColorEdge CS240.

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

### Performance settings



Select "SelfCalibration settings" from "Advanced".

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

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