

Matchprint Virtual

for Smart Review System

Version 5.0

Quick Start Guide

English

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What Is Matchprint Virtual?

Kodak® Matchprint® Virtual software allows users who run Apple® Mac OS® X systems with an approved color monitor to perform color-accurate proofing of files in Smart Review. The monitor is calibrated against a color target, and then the file can be checked in Smart Review for color accuracy and approved, rejected, or marked for corrections.

This document explains how to set up your system for color management of files in Smart Review. The steps are:

- Install Matchprint Virtual monitor calibration software on your Mac® computer, and connect the calibrator—see page 1.
- Set system preferences—see page 2.
- Calibrate the color monitor—see page 3.
- Set monitor luminance levels—see page 4.

Software/Hardware Requirements

You must use an approved and calibrated Mac system to ensure color-accurate viewing. For the latest hardware and software requirements, see the *Matchprint Virtual 5.0 Release Notes*, available under **Product Documentation** at http://graphics.kodak.com/matchprintvirtual/.

Installing Matchprint Virtual Calibration Software

Before you view color-accurate files, you need to be sure that your monitor can consistently display a standard quality of color. Use only a qualified EIZO® ColorEdge® or Apple Cinema Display™ color calibration monitor. For a list of qualified monitors, see the *Matchprint Virtual 5.0 Release Notes,* available under **Product Documentation** at http://graphics.kodak.com/matchprintvirtual/.

Matchprint Virtual calibration software runs the monitor through a sequence of color patches, measures each color, compares it to predefined color settings, and records the results.

Install the latest version of Matchprint Virtual calibration software on each Mac computer that will be used to perform monitor proofing.

If you have version 3.2 of Matchprint Virtual calibration software installed, you must remove it first—see *Removing Matchprint Virtual Calibration Software* on page 5.

To install the latest Matchprint Virtual calibration software:

1. Log on to the Mac computer as an Administrator.
2. Open a Web browser and locate the Matchprint Virtual Web site at http://graphics.kodak.com/matchprintvirtual
3. Download the Matchprint Virtual software and all updates to your Mac desktop.
4. Double-click the installer icon and follow the prompts to complete installation of the software.
5. Restart your computer.
6. Double-click any updater icon and follow the prompts to complete installation of the updates.
7. Restart your computer.
8. Connect the calibrator to the USB port on the computer or monitor, or to a self-powered USB hub.

   Important: Do not use the USB port located on the keyboard.

To use the calibration software, see *Calibrating Color Monitors* on page 3.

Setting System Preferences

If your computer system is running the Energy Saver feature, or your screen saver is set to start frequently, you need to adjust the settings so that they do not interfere with monitor calibration.

Configuring the Energy Saver

The Energy Saver feature puts your computer and your monitor into sleep mode whenever they are inactive for a defined period of time. It can also be set to start your computer automatically each working day.

If the Energy Saver shuts down your monitor and it stays off for more than five minutes, you must wait an hour for it to warm up before you can calibrate. To avoid the wait, ensure that the sleep mode is disabled. You may also want to set the Energy Saver to start the computer each working day at least an hour before you expect to calibrate.

To configure the Energy Saver:

1. From the **Apple** menu, select **System Preferences**.
2. Click **Energy Saver**.
3. If the lock at the bottom of the Energy Saver window is closed, it must be unlocked before changes can be made. Click the lock and enter the administrator username and password to unlock it.
4. Under **Put the computer to sleep when it is inactive for**, set the sliding scale to **Never**.

5. Under **Put the display to sleep when the computer is inactive for**, set the sliding scale to **Never**.

   Important: Matchprint Virtual software will not calibrate a monitor if it detects an Energy Saver setting other than **Never**.

6. Ensure that the check box beside **Put the hard disk(s) to sleep if possible** is cleared.
7. Click **Schedule**.
8. Select the check box beside **Start up or wake**.
9. From the menu, select a day or days. Beside **at**, type a time of day.
10. Click **OK**.
11. Click the lock to prevent anyone else from changing the settings.
12. Close the Energy Saver window.

Configuring Screen Savers

You must prevent your screen saver from launching during calibration and interfering with measurement.

To configure a screen saver:

1. From the **Apple** menu, select **System Preferences**.
2. Click **Desktop & Screen Saver**.
3. Click the **Screen Saver** tab.
4. Select a screen saver.
5. Under **Start screen saver**, set the sliding scale to at least 1 hour 30 minutes.
6. Close the Desktop & Screen Saver window.

Calibrating Color Monitors

After you have installed the Matchprint Virtual calibration software, you must calibrate your monitors every 24 hours to ensure accurate color viewing.

Note: Monitors must be turned on for at least one hour before they can be calibrated.

1. At the Dock, click and hold the **Matchprint Virtual** icon. 
2. Select **MVP Calibrate System**.
3. Follow the prompts to calibrate the monitors.

During calibration, your Matchprint Virtual calibration software checks the deltaE and white point luminance of your monitor. If the deltaE exceeds 2.5, or if the display cannot achieve the luminance value that is set in the software, calibration fails.

Monitor Calibration Reminder

When calibration expires, a reminder appears. You can select **Dismiss for 24 hours**, or **Calibrate**.

The reminder may also appear when the ambient room temperature increases or decreases by 5°C or more, or when the calibrator is left on the monitor.

For more information about calibrating color monitors, see the *Matchprint Virtual Monitor Calibration Quick Reference Card*, available under **Product Documentation** at http://graphics.kodak.com/matchprintvirtual/.

Setting Monitor Luminance Levels

The first time you calibrate the monitor, check its maximum luminance setting and change it to a lower, fixed luminance value to increase the viewing lifetime.

In a dual-monitor system, it is also important that the luminance of the two monitors matches so that color perception is not affected.

To check the maximum luminance settings of a new monitor:

1. At the Dock, click and hold the **Matchprint Virtual** icon. 
2. Select **MVP Preferences**.
3. Click the **Settings** tab, select a monitor, and click **Show Settings**.

   Tip: You can also double-click the monitor name to open its **Preferences** dialog box.
4. Ensure that **Maximum Luminance Method** is selected.
5. Click **Save**.
6. If you are calibrating a dual-monitor systems, repeat steps 1 to 5 for the second monitor.
7. Calibrate the monitor—see *Calibrating Color Monitors* on page 3.

   When calibration is complete, the following message appears:

   ```
   Calibrate System on this monitor passed
   Color Verification:
   Luminance:
   ```
8. Record the color verification and luminance values.

To change to a fixed luminance setting:

1. At the Dock, click and hold the **Matchprint Virtual** icon. 
2. Select **MVP Preferences**.
3. Click the **Settings** tab, select the monitor, and click **Show Settings**.

   Tip: You can also double-click the monitor name to open its **Settings** dialog box.

   a. Select **Fixed Luminance Method**.

   b. Type a value that is 10% less than the lower of the two luminance values you recorded when you calibrated the monitors.

Example (calibrating a single monitor):

Your monitor has a luminance value of 255. Type 230 (255 - 25). This is the luminance value that the monitor must achieve for calibration to succeed.

Example (calibrating a dual-monitor system):

Your first monitor has a luminance value of 280 and your second monitor has a luminance value of 255. Since 255 is the lower value, type 230 (255 - 25). This is the luminance level that both monitors must achieve for calibration to succeed.

4. Click **Save**.
5. Wait 15 minutes and recalibrate the monitor.
6. If you are calibrating a dual-monitor system, repeat steps 1 to 5 for the second monitor.

Troubleshooting: The monitor fails to calibrate.

As monitors age, they may fail to calibrate because they cannot achieve the fixed luminance level or the required deltaE (2.5 or less). When this happens:

1. Change back to the maximum luminance method.
2. Wait 15 minutes and recalibrate the monitor.
3. Record the maximum level that each monitor can achieve.
4. Change to the fixed luminance method and set a value that is 10% less than the lowest maximum luminance value you recorded.
5. Wait 15 minutes and recalibrate the monitor.

Removing Matchprint Virtual Calibration Software

This section describes how to remove Matchprint Virtual calibration software.

Note: You do not need to remove Matchprint Virtual calibration software before you upgrade to a later version, as long as you are replacing version 4.0 or later.

To uninstall Matchprint Virtual calibration software, version 3.x:

1. Log on to the Mac computer as an Administrator.
2. Delete the **MATCHPRINT Virtual** icon from the Dock.
3. Insert the Matchprint Virtual calibration software CD, version 3.x, into the CD drive.
4. Double-click the **MVP-LCD v3.x.x Installer** icon on your desktop.
5. Double-click the **MVP LCD v.3.x.x Installer** icon.
6. Type your Administrator password.
7. In the License dialog box, click **Accept**.
8. In the Installer dialog box, select **Uninstall** from the menu and click **Uninstall**.

9. Click **Continue**.

   The Matchprint Virtual calibration software is removed. A confirmation message appears.

10. Click **OK** and **Quit**.

To remove Matchprint Virtual calibration software, version 4.0 or later:

1. Log on to the Mac computer as an Administrator.
2. Open your Apple Safari™ browser software and type `http://graphics.kodak.com/matchprintvirtual/`
3. Under **MATCHPRINT Virtual Monitor Calibration Software**, click **Download now.**
4. Under **Uninstallers**, click the version of Matchprint Virtual calibration software that you want to remove and download it to your desktop.
5. Double-click the Uninstaller icon on your desktop.
6. Type your Administrator username and password.

   The Matchprint Virtual calibration software is removed. A confirmation message appears.

7. Click **OK**.