



ColorPlus™



User Guide

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System Requirements:

CRT or LCD Monitor, Windows® 98, ME,
2000, XP Home or Pro; USB port

ColorPlus Product Manual

Before You Start

1. Disable any anti-virus software you have installed on your system. After you have installed the product, you may re-enable the anti-virus software.
2. Make sure that you do NOT plug the ColorPlus hardware sensor into the computer before installation.
3. Video Card Support: Most video cards that were made within the last two years should be compatible with the ColorPlus software. To be absolutely sure, we have a test program called OptiCheck that you can download and run to test the video card on your system. OptiCheck can be downloaded from the software download pages of either the ColorVision (www.colorvision.com), or Pantone (www.pantone.com) Web sites.

Many manufacturers' video cards support ColorPlus for Windows 98, 98SE, ME, 2000 and XP. These include ATI, Matrox, GeForce, Nvidia, plus many others that are not listed here.

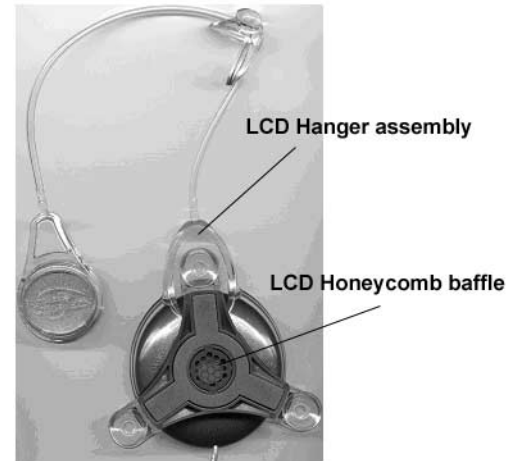
4. Set your Hardware Acceleration to Full. Click the **Start** button, click **Settings** and open your **Control Panel**. From there, double-click the **Display** icon; this will bring up the **Display Properties**. Go to the **Settings** tab and click **Advanced**, click the **Troubleshoot** tab and set your **Hardware Acceleration** to **Full**.

Some video cards may vary as to exactly where the Hardware Acceleration will be found. Please refer to your video card's manufacturers User guide or Web site in this case.

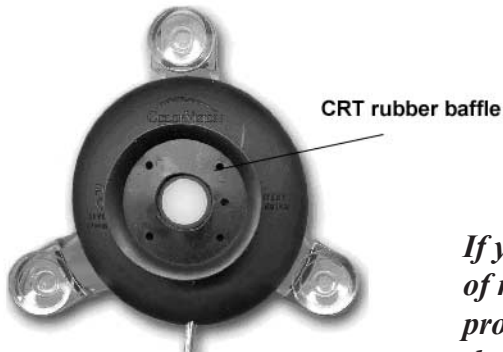
5. The recommended minimum setting that the display resolution can be set to is 640 x 480.
6. The recommended minimum number of colors that the display can be set to is 16 million colors (24-bit color).
7. Adaptec and Roxio CD burning software should be disabled when calibrating. Typically this can be done by right-clicking burning software's icon in the system tray, located on the bottom right-hand side of your screen, and selecting **Exit** or **Disable**.
8. The hardware sensor should only be plugged into the USB port located at the back of the computer, not into a USB hub or keyboard.
9. If you are running Windows 2000, please make sure you are logged on as Administrator or a user with FULL Administrator privileges.
10. Remove Adobe Gamma Loader.exe and/or any third party calibrating software from your startup folder. Click the **Start** button and click **Programs**. Go to **Startup**. If you see the **Adobe® Gamma Loader** icon right-click once on the icon and choose **Delete**. If you are prompted click **Delete Shortcut**.
11. Download the latest drivers for your video card and monitor by going to the manufacturer's web site and searching for your model.
12. For optimal results, you should run ColorPlus in the same lighting conditions in which you view, edit and print your images. There should be no light source shining directly on the screen.

13. For LCD monitors, please make sure that the triangular honeycombed baffle is attached to the bottom of the hardware sensor. Place it on the monitor using the “A” shaped hardware sensor attachment (*LCD Hanger assembly*).

14. For CRT monitors, the round rubber baffle should be attached to the hardware sensor. The hardware sensor is shipped with the LCD triangular baffle attached. If you have a CRT monitor, please make sure you pull off the triangular baffle and attach the round rubber one.



ColorPlus hardware sensor with LCD baffle and hanger attached



ColorPlus hardware sensor with CRT baffle attached

If you have the wrong baffle on the hardware sensor for your type of monitor, the hardware sensor will give false readings, the program may display errors, and the suction cups may damage the LCD screen if the triangular baffle is not attached.

15. During the calibration process, do not move the ColorPlus on-screen window. It is placed in an ideal position to read colors from the RGB guns of your monitor. If you are changing the settings of your monitor, please wait until after the monitor’s on-screen control window disappears to make readings with the hardware sensor.

16. During the calibration process, please do not remove the hardware sensor from the screen until prompted to do so.

17. When not using the hardware sensor, please store it in the original box.

ColorPlus Installation Instructions

Reminder: Disable any anti-virus software you have installed on your system. After you have installed the product, you may re-enable the anti-virus software.

1. Insert the ColorPlus CD into your CD-ROM drive.
2. Double-click on the **ColorPlus Installer** or select **Install ColorPlus**.
3. Click the **Next** button in the first two windows.

Reminder: Make sure that the hardware sensor is not plugged in.

4. Click **Next**.
5. To continue you will then be asked to read through the License Agreement and click **Yes** if you agree.
6. Enter your information and serial number that was included in your package. *Please remember to include the dashes in the serial number.*
7. Click **Next** in the Destination Directory window.
8. Click **Next** in the Program Folder window.
9. Click **Next** in the Install Files window.
10. Click **Next** in the Last Minute Notes window.
11. Click **Yes** to reboot.
12. Please wait to plug-in the hardware sensor until the computer has fully restarted. After you plug it in, Windows will build a database for the new hardware.

Using ColorPlus

For CRT monitors:

- a. To start ColorPlus: Double-click the **ColorPlus icon** on your desktop.
- b. After reading the Introduction window, click **Next**.
- c. Select CRT for the type of monitor you have; click **Next**.
- d. Through the controls on your monitor, set the contrast control on the monitor to its maximum setting. Click **Next**.
- e. Through the controls on your monitor, set the brightness control on the monitor so that you see a very slight difference between the two left boxes. An easy way to tell if the setting is correct is to look at a white wall then look back at the two left squares. If it takes 2-3 seconds to see the difference, then the setting is correct. Click **Next**.
- f. Attach the hardware sensor onto the screen so that it covers the picture of the hardware sensor in the ColorPlus software window. Click **Next**.
- g. The hardware sensor will now measure luminance. Adjust the white luminance by adjusting the contrast control on the monitor. Remember to wait about 10 seconds after the monitor's on-screen controls disappear before clicking the **Update** button to make a new luminance measurement. Keep adjusting the contrast control and clicking Update until it measures an optimum reading. Click **Next**.

Some monitors will not reach the recommended range, this will have no affect on the overall color correction of you monitor. In this case, simply adjust your contrast to maximum.

- h. The hardware sensor will now initialize and take measurements.
- i. Remove the Hardware sensor when prompted. Click **Next**.
- j. The **Before/After** window will appear. Follow the instructions on screen to see the effect of ColorPlus on your monitor.
- k. Click **OK**.
- j. After reading the final instructions, click **Finish**.

Congratulations, you have successfully calibrated your monitor!

For your convenience, the custom profile you have just created with ColorPlus will be automatically stored in the Windows operating system. Any time you view, edit or print through your digital imaging software you will be doing so through that custom profile.

For LCD monitors:

- a. To start ColorPlus: Double-click the **ColorPlus icon** on your desktop.
- b. After reading the Introduction window, click **Next**.
- c. Select LCD for the type of monitor that you have. Click **Next**.
- d. Reset your monitor to its factory default settings for Brightness and Contrast through the controls on your monitor.
- e. The photograph shown earlier in the “Before you start” section of this document shows the LCD baffle and hanger assembly. The triangular baffle must be on the hardware sensor. The hanger needs to be clipped onto the top of the hardware sensor to suspend the hardware sensor from the display. Never fasten the hardware sensor with the suction cups. It could damage the LCD screen. Click **Next**.
- f. Hang the hardware sensor via the hanger and make sure that the hardware sensor is right on top of the hardware sensor in the picture shown on your ColorPlus software and resting flat on the screen. If necessary, lean the monitor back and/or adjust the USB cable so that the hardware sensor lays flat on the screen. Click **Next**.
- g. The hardware sensor will now initialize and take measurements.
- h. Remove the hardware sensor when prompted. Click **Next**.
- i. The **Before/After** window will appear. Follow the instructions on screen to see the effect of ColorPlus on your monitor.
- j. Click **OK**.
- k. After reading the final instructions, click **Finish**.

Congratulations, you have successfully calibrated your monitor!

For your convenience, the custom profile you have just created with ColorPlus will be automatically stored in the Windows operating system. Any time you view, edit or print through your digital imaging software you will be doing so through that custom profile.