Datacolor Spyder3™ Installation Guide
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Overview

This installation guide covers the assembly of the Datacolor Spyder3, and the procedure used to calibrate the monitor using the Datacolor Spyder3.

System Requirements

Hardware Requirements

- See requirements for the Datacolor SPECTRUM package you will be using.
- USB port for the Datacolor Spyder3.

Software Requirements

- Datacolor program from the Datacolor SPECTRUM suite of programs.
- Windows XP or higher.

NOTE

The Datacolor Spyder3 is designed for use with Datacolor SPECTRUM software and Datacolor PAINT software version 1.2 and higher. It will not work with any other software package.

Installation Instructions

1. Install the Datacolor SPECTRUM program(s). Refer to the installation instructions provided with the program.
2. Connect the Datacolor Spyder3 to the computer via a USB port.
3. Calibrate the monitor using the Datacolor Spyder3.
Datacolor Spyder3 Assembly

The Datacolor Spyder3 consists of:

- Calibrator
- Counterweight
- Suction cup - detachable

LCD Monitor Configuration

- If you are using an LCD monitor, you must detach the suction cup before use.

CRT Monitor Configuration

- If you are using a CRT monitor, you must attach the suction cup before use.
For **LCD monitors**, use the counter-weight provided to secure the SPYDER against the monitor.

**Counter-weight**
The counter-weight is intended to hang over the back of the monitor.

For **CRT monitors**, use the suction cup to secure the SPYDER against the monitor before use.

**WARNING**
Do NOT use the suction cup to secure the Datacolor SPYDER3 against the LCD monitor. IT WILL DAMAGE THE SCREEN.
Monitor Calibration

The Datacolor Spyder3 is used along with Datacolor SPECTRUM products to perform the monitor calibration, to adjust the color displayed on the monitor. After calibrating the monitor, all color patches displayed on the screen should more closely approximate the perceived color of the measured sample.

NOTE
When evaluating the sample visually, the sample should be held at some distance from the monitor. The evaluation should not be done holding the sample directly against the monitor.

Two procedures are documented below for monitor calibration. One explains the screens seen by Datacolor PAINT POS customers, and the other explains the screens that appear in other Datacolor SPECTRUM products such as Datacolor TOOLS, Datacolor MATCH Pigment, Datacolor ENVISION, etc.

WARNINGS
Disconnect the Datacolor Spyder3 from the USB port BEFORE INSTALLING DATACOLOR SPECTRUM SOFTWARE.

The Datacolor Spyder3 does not work with a Terminal Server application.

NOTES
Refer to the documentation above to become familiar with the components and operation of the device.

The monitor calibration software is part of the Datacolor SPECTRUM program you are using (Datacolor PAINT, Datacolor ENVISION, Datacolor TOOLS, Datacolor MATCH Pigment, etc.).
Accessing the Calibration Software

The procedure for accessing the monitor calibration software is different depending on the Datacolor program you are using.

**NOTE**
For best results, perform the monitor calibration on a monthly basis.

*Launching the Software from Datacolor PAINT*

1. Connect the calibration device to a USB port on the computer.
2. From the main screen, select **Options**. A series of icons will be displayed. Click on the **Calibrate Display** icon.

3. Click in the icon that identifies the type of display you are using, LCD or CRT.

   ![Calibrate Display Icon](image)

The procedure differs slightly depending on the type of monitor you are using.

*See LCD Calibration (page 8) or CRT Calibration (page 9) for instructions to complete the calibration.*
Launching the Software from Datacolor SPECTRUM Programs

The Datacolor Spyder3 monitor calibration procedure for most Datacolor SPECTRUM products is included on one of the drop-down menus.

1. Connect the calibration device to a USB port on the computer.

2. To access the software module, do one of the following:
   • *Datacolor TOOLS* users, select **System Menu, Calibrate Monitor**.

   ![Software Module Menu](image)

   • *Datacolor MATCH Pigment* users, select Formula Central’s **View Menu, Calibrate Monitor**.

   ![Formula Central Menu](image)

   • For other SPECTRUM programs, consult the User’s Guide to find the menu containing the option **Calibrate Monitor**.
The window below displays:

The field labeled *Datacolor Spyder3* identifies the device you are using to calibrate the monitor.

3. The field labeled *CRT* identifies the type of monitor, CRT or LCD, which you are using. Click on the down arrow to view the choices, and highlight the correct monitor selection.

4. Click the **Calibrate** button. The screen will refresh and you are ready to start to Spyder3 calibration.

See *LCD Calibration* (page 8) or *CRT Calibration* (page 9) for instructions to complete the calibration.
LCD Calibration

1. When you select the LCD monitor type, the screen below appears:

![Screen Image]

2. Position the Datacolor Spyder3 over the square on the screen, and click **Accept** to start the calibration.

**NOTE**

It is recommended that you place the mouse pointer in the gray area of the screen during the calibration.

3. Continue holding the Datacolor Spyder3 against the monitor until the message, **Calibration Completed** appears in the lower left corner of the window.
   (approximately 5 minutes)

4. When the calibration is completed, click **Exit**.
CRT Calibration

When you select the CRT monitor type, you must adjust the contrast and brightness settings on the monitor before you calibrate the Datacolor Spyder3.

1. When you select CRT, a message will appear in the lower left corner of the screen regarding the contrast setting:

   ![Please set Monitor Contrast to Maximum... (normally a circle or half moon symbol)]

2. Set the monitor contrast to maximum, and click **Accept**. The next instruction appears:

   ![Please increase the Monitor Brightness until you can see the sun symbol. (Or the brightness is at maximum)]

3. Increase the monitor brightness until you can see the sun symbol.

   **NOTE**
   For some monitors the symbol never appears. In this situation:
   - Reset the monitor settings to the default.
   - Click **Accept** for the remaining screens used for adjusting monitor brightness.
   - Resume the calibration procedure at step #8.

4. Click **Accept**. The next instruction appears:

   ![If you can see the sun symbol, please reduce the Monitor Brightness until it disappears]

5. Reduce the monitor brightness until the symbol disappears.

   **NOTE**
   For some monitors the symbol never disappears. In this situation:
   - Reset the monitor settings to the default.
   - Click **Accept** for the remaining screens used for
adjusting monitor brightness.
 – Resume the calibration procedure at step #8.

6. Click **Accept**. The message below appears:

   Please increase the monitor brightness slowly until you can just see the sun symbol again. (As the brightness is at minimum)

7. Increase the monitor brightness again until you can see the symbol, and click **Accept**. The window refreshes.

8. The screen instructs you to place the Spyder3 on the monitor. Position the Datacolor Spyder3 over the square on the screen, and click **Accept** to start the calibration.

   **NOTE**

   It is recommended that you place the mouse pointer in the gray area of the screen during the calibration.

9. Continue holding the Datacolor Spyder3 against the monitor until the message, **Calibration Completed** appears in the lower left corner of the window.

10. When the calibration is completed, click **Exit**.