Datacolor Spyder2™ Installation Guide
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Overview

This installation guide covers the assembly of the Datacolor Spyder2, and the procedure used to calibrate the monitor using the Datacolor Spyder2.

System Requirements

Hardware Requirements

• See requirements for the Datacolor SPECTRUM package you will be using.
• USB port for the Datacolor Spyder2.

Software Requirements

• Datacolor program from the Datacolor SPECTRUM suite of programs.
• Windows 98 or higher.

NOTE

The Datacolor Spyder2 is designed for use with Datacolor SPECTRUM software and Datacolor PAINTMAKER software version 3.0.22 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. Install the Datacolor Spyder2 driver (Datacolor Spyder2 CD).
3. Assemble the Datacolor Spyder2.
4. Connect the Datacolor Spyder2 to the computer.
5. Calibrate the monitor using the Datacolor Spyder2.
Datacolor Spyder2 Assembly

The Datacolor Spyder2 consists of two components:

- Calibrator
- Baffle. *This is an optional part inserted into the calibrator. It is used with LCD monitors.*

LCD Monitor Configuration

- If you are using an LCD monitor, you must **attach** the optional baffle before use

CRT Monitor Configuration

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

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

**WARNING**
Do NOT use the suction cups to secure the Datacolor SPYDER2 against the LCD monitor. THEY WILL DAMAGE THE SCREEN.
Monitor Calibration

The Datacolor Spyder2 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 Paintmaker 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 Spyder2 from the USB port BEFORE INSTALLING DATACOLOR SPECTRUM SOFTWARE.

The Datacolor Spyder2 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 (Paintmaker, 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 Paintmaker/ 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.

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 Spyder2 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 the computer.

2. To access the software module, do one of the following:
   - *Datacolor TOOLS* users, select **System Menu**, **Calibrate Monitor**.
   - *Datacolor MATCH Pigment* users, select **View Menu**, **Calibrate Monitor**.
   - 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 Spyder2** 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.

   - CRT
   - LCD

4. Click the **Calibrate** button. The screen will refresh and you are ready to start Spyder2 calibration.

   See **LCD Calibration** (page 8) or **CRT Calibration** (page 9) for instructions to complete the calibration.
1. When you select the LCD monitor type, the screen below appears:

2. Position the Datacolor Spyder2 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 Spyder2 against the monitor until the message, **Calibration Completed** appears in the lower left corner of the window.

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 Spyder2.

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 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:

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Please increase the Monitor brightness slowly until you can just see the sun symbol again (or the brightness is at minimum).
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7. Increase the monitor brightness again until you can see the symbol, and click **Accept.** The window refreshes.

![Symbol on Screen]

8. The screen instructs you to place the Spyder2 on the monitor. Position the Datacolor Spyder2 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 Spyder2 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.**