

CaIMAN Setup Guide

SpectraCal C3 Colorimeter

Rev. 1.2

Introduction

The SpectraCal C3 Colorimeter provides highly accurate readings of flat panel displays, specifically LCD CCFL, LCD white LED, and plasma technologies. The SpectraCal C3 has advanced filters engineered to provide highly accurate readings when compared with previous generation colorimeters.

Note: The C3 is intended for LCD CCFL, LCD white LED, and plasma flat panel calibration only.

SpectraCal C3 Features

- Supports the most popular flat panel display technologies (LCD CCFL, LCD white LED, and plasma)
- Excellent speed and accuracy for its price-point
- Stable at low light measurements
- 4-color correction matrix technology (RGBW)
- Advanced color and light filters
- Easy-to-use counterweight for positioning over flat panels

SpectraCal C3 Included Parts

- SpectraCal C3 Colorimeter
- Meter counterweight

CalMAN Required Version

- CalMAN version 5.2.0 or newer

SpectraCal C3 Computer Connection

1. Install the *SpectraCal Device Driver Kit*, available for download from the SpectraCal web site. <http://www.spectracal.com/download.php?id=3>
2. Plug the C3 into a USB port on your computer.

If the C3 device driver is properly registered, the C3 colorimeter will be listed in Windows Device Manager under *X-Rite Devices* as “ColorMunki Smile.” If it is not listed that way, the driver is not yet properly installed.

CalMAN Connection to SpectraCal C3

1. Plug the C3 into a USB port.
2. On the *Meter Settings* page, click *Find Meter*.
3. On the *Find Meters* popup dialog:
 - a. Leave *Com Port* set to default.
 - b. Maintain the *All Meters* selection
 - c. Click *Search*.

When the Search progress indicator closes, the SpectraCal C3 meter will be the actively selected meter.

CalMAN Meter Settings for C3

Meter Mode (Target Display Type)

- LCD (CCFL)
- LCD (LED)
- Plasma

Select the Meter Mode that corresponds to the display backlight/pixel technology that you wish to measure or calibrate.

Sync Mode

The Sync Mode is preset to the mode that usually works best for each different display technology.

- Off
- Auto

If meter readings are unstable, try the other setting. (Also, try *Source Delay*, *Optimize*.)

Standard Exposure Mode

- 0.5 Seconds
- 1.0 Seconds
- 1.5 Seconds (default)
- 2.0 Seconds
- 2.5 Seconds

- 2.0 Seconds
- 3.0 Seconds
- 3.5 Seconds
- 4.0 Seconds

Meter Positioning

The C3 should be positioned with the face of the meter squarely in contact with the center of a flat panel, to block ambient light. The cable counterweight can be draped over the top of the display to facilitate this.

About / Contact

About Portrait Displays

Portrait Displays, Inc., since 1993, is a leading application software provider (ASP) for PC, smartphone, and tablet displays. The Portrait Displays team now includes **SpectraCal**, the world's leading provider of video display calibration software. The combined companies offer value-added, feature-rich solutions to both OEM display manufacturers and end users seeking improved accuracy and manageability of their displays.

Portrait Displays, an Intel Capital Portfolio company, is a private corporation with headquarters in Pleasanton, California, USA with representatives in Europe, Taiwan, China, Japan, and Korea.

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