

Sencore Video Generators

VP401/403 Series, MP500, S802BT

CalMAN Setup Guide

The Sencore Video Generator test patterns can be automatically controlled by CalMAN Display Calibration Software. The generators provide test patterns for visual performance evaluation, grayscale luminance ramp calibration, color gamut (CMS) calibration, and validation measurements of white, primary, and secondary luminance ramps. These generators do not provide RGB triplet support. These generators cannot provide test patterns for saturation sweeps, ColorChecker patterns, or 3D LUT calibration.

Required CalMAN Version:

- 5.6.0 or later

Recommended CalMAN Workflows:

- All available measurement and calibration workflows

Required Sencore Generator Firmware:

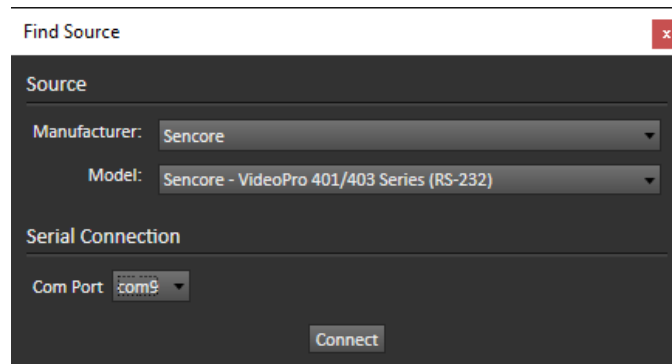
- All firmware versions are acceptable

Sencore Generator Control Connection:

- Serial (VP40x series)
- USB (MP500)

CalMAN Connection Procedure

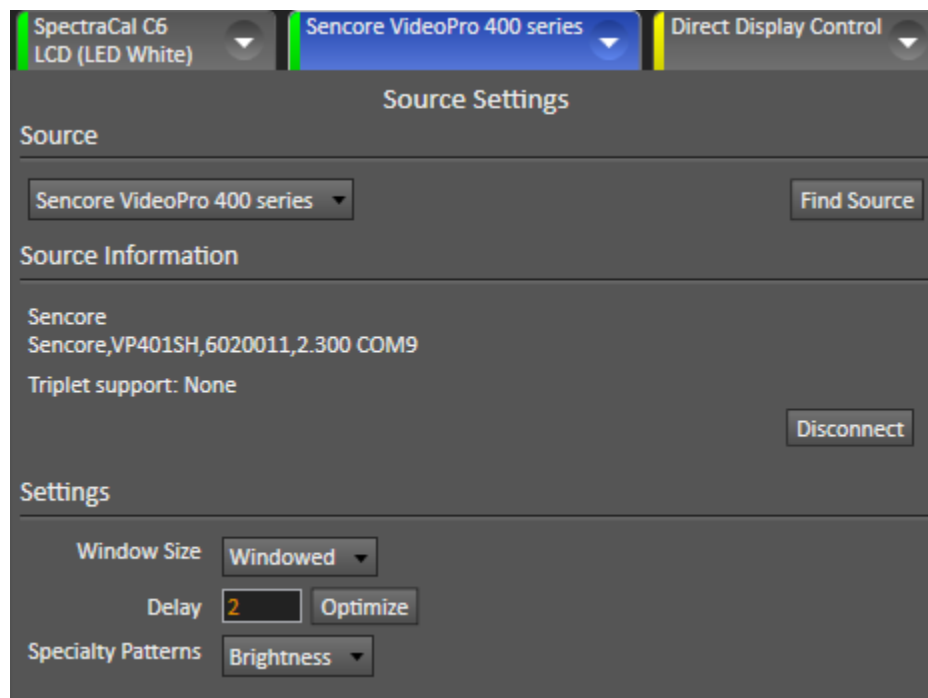
1. Connect the Sencore generator to the computer with a USB cable.
2. Be sure that the proper USB driver is installed. If necessary, run the SpectraCal Device Driver Pack from this link: <http://www.spectracal.com/download.php?id=3>
3. On the CalMAN Source Settings tab, click “Find Source.”
4. On the Find Source dialog (below), select “Sencore” as the Manufacturer.
5. Select the Model to match your Sencore generator. When using a USB to Serial adapter, select the manufacturer of the adapter, usually FTDI or Prolific.
6. Select the Com Port assigned to the connected generator (check this in Device Manager).



7. Click *Connect* on the Find Source dialog.

CalMAN Source Settings Tab

The CalMAN Source Settings tab provides Source Information and Settings for the connected Sencore Video Generator.



Settings

Window Size

Select the desired test pattern size and type from the Window Size selection box.
(Note: For Plasma and CRT displays, Constant APL 50 works well.)

Delay

CalMAN provides a default measurement delay time of 2 seconds to accommodate the test pattern settling time of the Sencore generator and an attached display. To optimize the delay time for a particular configuration, potentially speeding up all measurement times, click the Optimize button.

Specialty Patterns

The pattern selection field allows you to select patterns from the Sencore generator other than the automated measurement windows or fields.