



CaIMAN Setup Guide

CaIMAN Software Installation

Rev. 1.1

Introduction

The software installation for CalMAN (since version 5.3.1) automatically handles the installation of Microsoft .NET Framework and the USB drivers for meters and source hardware.

Following are the hardware requirements to run CalMAN, plus download and installation information. In most cases, you will simply download the CalMAN installation file and run it to install CalMAN, to be ready to begin calibration measurements. In the event that you have difficulty, however, there is an installation troubleshooting section below.

CalMAN Hardware Requirements

Requirements (Minimum)

- Windows Vista (CalMAN 5.3.1 and newer)
- 2 Ghz Processor
- 2 GB Ram
- Microsoft® .NET Framework 4.6 or higher

Requirements (Recommended)

- Windows 7 SP1 or newer
- 2 Ghz Dual-Core Processor
- 4 GB Ram

Mac Calibration Host

A Mac computer can be the host calibration computer, running CalMAN under Windows, using Bootcamp or VMware Fusion. Due to occasional USB driver issues with Parallels, we do not recommend Parallels at this time.

Prerequisites

- Microsoft .NET Framework 4.6 is automatically installed with CalMAN, if there is a network connection. If version 4.6 is not installed, use the link below to install it.

<http://www.microsoft.com/en-us/download/details.aspx?id=48130>

- The latest video adapter device driver from the video chipset manufacturer should be installed on the computer running CalMAN 5. Drivers that are more than a couple of months old may cause some graphics to appear in the wrong place, missing graphics, or reduced performance.

Windows Update does not install the latest video drivers; you must manually install the manufacturer's updates. Following are update links for the popular chipset manufacturers:

- [Intel](#)
- [NVidia](#)
- [AMD/ATI](#)

CalMAN Software Download

To download an installer for the different versions of CalMAN software, you can go to <http://calman.spectracal.com/downloads.html>. Or, you can use one of the links below to download any of the listed software.

Broadcast, Production & Post-Production

- **CalMAN Studio** – Studio and Creative 3D Cube LUT Calibration
<http://calman.spectracal.com/calman-studio-download.html>
- **CalMAN Studio Accessory Downloads**
<http://calman.spectracal.com/calman-studio-accessory-downloads.html>

Professional AV Installation & Calibration

- **CalMAN Ultimate or CalMAN Video Pro** – Commercial and Residential Video Calibration
<http://calman.spectracal.com/business-download.html>

Photography & Design

- **CalMAN RGB** – Computer Monitor Calibration
<http://calman.spectracal.com/calman-rgb-download.html>

CalMAN ColorMatch – Free Download

- **CalMAN ColorMatch** (free license)
<http://calman.spectracal.com/colormatch-download.html>

Consumer Home Video

- **CalMAN Home Enthusiast** – Home Video Calibration
<http://calman.spectracal.com/home-video-download.html>

CalMAN Resources

- **Microsoft .NET Framework 4.6** – Windows program resource and software framework
<http://www.microsoft.com/en-us/download/details.aspx?id=48130>
- **CalMAN Client 3 (Windows and Mac)** – Monitor Profile Manager with Integrated Pattern Generator

<http://calman.spectracal.com/calman-client-3-download.html>

- **SpectraCal VirtualForge** – Software Pattern Generator for AJA and BMD video output adapters

<http://calman.spectracal.com/virtualforge-download.html>

- **SpectraCal Device Driver Pack** – Drivers for supported meters, sources, and displays

<http://www.spectracal.com/download.php?id=3>

CalMAN Software Install

To automatically install the current version of Microsoft .NET Framework during the CalMAN installation process (not required for Windows 10), you need to have a network connection that is capable of accessing www.microsoft.com.

If you run the CalMAN installation without a network connection, you will then need to manually install Microsoft .NET Framework v4.6 or later.

CalMAN Install Troubleshooting

Device Drivers

The CalMAN installer also installs USB drivers for the USB devices supported by CalMAN. However, if you have difficulty connecting a USB meter or source device to CalMAN, or, if you are connecting to a serial device, including a USB to serial adapter, you should install the Device Driver Kit. A download link is available on the SpectraCal.com Download page and is also included above.

After you have installed the Device Driver Kit, reconnect the device with which you were having difficulty.

Microsoft .NET Framework

If the CalMAN computer was network connected at the time of the CalMAN software installation, Microsoft .NET Framework v4.6 was also installed at that time.

If, for some reason, .NET Framework v4.6 or later is not installed, CalMAN may fail to load or run properly. Check under Control Panel / Programs and Features for the installed version of Microsoft .NET Framework.

Install .NET Framework version 4.6 from the link on page 4, above.

Video Adapter Device Driver

If the latest video adapter device driver from the video chipset manufacturer is not installed on the CalMAN 5 computer, some graphics may appear in the wrong place, some graphics may be missing, or the computer may suffer reduced performance.

Windows Update does not install the latest video drivers; you must manually install the manufacturer's updates. Following are update links for the popular chipset manufacturers:

- [Intel](#)

- [NVidia](#)
- [AMD/ATI](#)

Network Device Connectivity

CalMAN connects to a number of the external software and hardware products that it supports over an IP socket Ethernet interface. When you connect CalMAN to one of these devices that have an IP address, be sure that there is an open network path through the specified port number. The port number that is used is specified in the CalMAN Source Settings or Display Settings device selection field. For example, in the VideoForge HDMI Source selection “SpectraCal – VideoForge II / HDMI (Ethernet @9022,” the port number is 9022.

If there is a firewall on either end of the communication link, either the appropriate port will need to be opened, or the firewall will need to be disabled. For example:

- To open a Windows Firewall port in Windows 7:

Control Panel / Windows Firewall / Advanced Settings / Inbound Rules, or Outbound Rules / New Rule / Port / TCP / Specific remote ports: [port #] / Allow the connection

- To allow incoming connections through an active Mac firewall:

System Preferences / Security & Privacy / Firewall / Advanced / Automatically allow signed software to receive incoming connections

Microsoft XP Support

Because Microsoft no longer supports XP, CalMAN v5.3 and newer versions no longer run under Microsoft XP. CalMAN v5.3 and newer versions require Microsoft Vista or newer operating system.

Versions of CalMAN prior to v5.3 will continue to run under Microsoft XP. The latest version of CalMAN prior to v5.3 is version 5.2.3, which is still available from the SpectraCal Downloads page, or from the link below.

CalMAN All Access

Your CalMAN license is permanent and never ending. You can continue using your purchased version of CalMAN forever at no additional cost.

Initial purchases of CalMAN include free software updates and technical support for one year. At the end of that year, you can renew your All Access for CalMAN to continue to receive the latest CalMAN updates and continued

technical support. You can purchase an All Access one year renewal from the SpectraCal online store.

When you start the installation of CalMAN v5.3 or newer, you will see a maintenance information dialog that tells you whether maintenance is current for your CalMAN license. If your maintenance is not current, you can continue to run your original version of CalMAN, but you will be unable to install the current CalMAN version.

CalMAN Legacy Install

Download links for the legacy versions of CalMAN are provided below.

[CalMAN 2017 R2 \(5.8.2a\)](#) CalMAN 2017 R2 (5.8.2a) is available for customers who purchased CalMAN or All Access in September of 2016 or later.

[CalMAN 2017 \(5.8.1a\)](#) CalMAN 2017 (5.8.1a) is available for customers who purchased CalMAN or All Access in June of 2016 or later.

[CalMAN 2016 R2 \(5.7.3\)](#) CalMAN 2016 R2 (5.7.3) is available for customers who purchased CalMAN or All Access in October of 2015 or later.

[CalMAN 2016 R2 \(5.7.2\)](#) CalMAN 2016 R2 (5.7.2) is available for customers who purchased CalMAN or All Access in July of 2015 or later.

The new CalMAN license manager was first implemented in CalMAN version 5.7.2.

[CalMAN 2016 \(5.7.0a\)](#) CalMAN 2016 (5.7.0a) is available for customers who purchased CalMAN or All Access in January of 2015 or later.

[CalMAN version 5.6.1b](#) CalMAN 5.6.1b is available for customers who purchased CalMAN or All Access in January of 2014 or later.

[CalMAN version 5.4.2](#) CalMAN 5.4.2 is available for customers who purchased CalMAN or All Access in January of 2013 or later.

[CalMAN version 5.2.3](#) CalMAN 5.2.3 is available for all CalMAN 5 licensees, regardless of the original CalMAN 5 purchase date.

CalMAN 5.2.3 was the last CalMAN software release to support Windows® XP™.

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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