CalMAN Software Installation Setup Guide

The software installation for CalMAN version 5.3.1 and newer has changed slightly from previous versions, to make it more user friendly. The CalMAN installation file now 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*

Requirements (Recommended)

- *Windows 7 SP1*
- *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, Parallels, or VMware Fusion. Due to occasional USB driver issues with Parallels, however, we do not recommend Parallels at this time.

Prerequisites

- Microsoft .NET Framework 4.5.1 is automatically installed with CalMAN, if there is a network connection. If version 4.5.1 is not installed, use the link below to install it. http://www.microsoft.com/en-us/download/details.aspx?id=40773

- 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 the different versions of CalMAN software, you can go to http://www.spectracal.com and click the Downloads page. Or, you can use one of the links below to download any of the listed software.

Pro Users

- **CalMAN Ultimate** – Commercial and Residential Video Calibration
  http://studio.spectracal.com/calman-ultimate-download
- **CalMAN Professional** – Commercial and Residential Video Calibration
  http://studio.spectracal.com/calman-professional-download
- **CalMAN Expert** – Commercial and Residential Video Calibration
  http://studio.spectracal.com/calman-expert-download
- **CalMAN Studio** – Studio and Creative 3D Cube LUT Calibration
  http://studio.spectracal.com/calman-studio-software
- **CalMAN for Resolve** – Resolve Video Output Calibration
  http://studio.spectracal.com/calman-for-davinci-resolve-download

CalMAN ColorChecker – Free Download

- **CalMAN ColorChecker** (free license)
  http://studio.spectracal.com/calman-colorchecker

Home Users

- **CalMAN 5** – Home Video Calibration
  http://store.spectracal.com/calman5/download
- **CalMAN RGB** – Computer Monitor Calibration
  http://color.spectracal.com/downloads/calman-rgb

CalMAN Resources

- **Microsoft .NET Framework 4.5.1** – Windows program resource and software framework
  http://www.microsoft.com/en-us/download/details.aspx?id=40773
- **CalMAN Client 3 (PC)** – Profile Manager with Integrated Pattern Generator
  http://studio.spectracal.com/calman-client-3-pc
- **CalMAN Client 3 (Mac)** – Profile Manager with Integrated Pattern Generator
  http://studio.spectracal.com/calman-client-3-mac
- **VirtualForge** – Software Pattern Generator
  http://studio.spectracal.com/virtual-forge-pattern-generator

- **SpectraCal Device Driver Kit v2.4** – Drivers for supported meters, sources, and displays http://www.spectracal.com/download.php?id=3

CalMAN Software Install

In order to automatically install the current version of Microsoft .NET Framework during the CalMAN installation process, 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 v4.5.1 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 Pro and Home Download pages 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 v4.5.1 was also installed at that time.

If, for some reason, .NET Framework v4.5.1 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 version 4.5.1 from a SpectraCal Downloads page, or from the link 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 "AV Foundry – VideoForge II / HDMI (Ethernet @9021," the port number is 9021.

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

CalMAN Legacy Install

Microsoft XP

Because Microsoft no longer supports XP, CalMAN v5.3 and newer no longer run under Microsoft XP. CalMAN v5.3 and newer requires 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.x, which is still available from a SpectraCal Downloads page, or from the link below. A CalMAN v4 download link is also provided below.

Maintenance

When you buy CalMAN, you receive one year's maintenance and support at no additional charge. At the end of the year, you can renew your maintenance to continue receiving maintenance benefits, including access to major releases.

CalMAN v5.3 is a major release and does enforce maintenance. When you begin the installation of CalMAN v5.3 or newer, you will see a maintenance information dialog that tells you whether maintenance is current on your CalMAN license.

If your maintenance is not current, you can continue to run legacy versions of CalMAN, but you will be unable to install the current version 5.3. Download links for the legacy versions of CalMAN are provided below. You can purchase a maintenance update from the online SpectraCal store.

Pro Users Legacy Software

- CalMAN 5.2.3 Ultimate/Professional/Expert – Commercial and Residential Video Calibration
  http://studio.spectracal.com/commercial-user-legacy

- CalMAN 5.2.3 Studio/ColorChecker – Studio and Creative Calibration
  http://studio.spectracal.com/studio-user-legacy

Home Users Legacy Software

- CalMAN 5.2.3 – Home Video Calibration
  http://store.spectracal.com/calman5/download/legacy

- CalMAN v4 Video Calibration Software
  Xxxxxxxxxxxxxxxxx