Omega DataSuite Installation and Registration Guide

This document provides a detailed overview of the installation and registration procedure for the Omega DataSuite software, for configuring the OM-DaqLink data logger.

1.1. Installing DataSuite Software

Follow the software installation instructions provided below.

1.1.1. System Requirements

To work with DataSuite your system should be configured according to the following minimum specifications:

Software

- Windows XP SP3, Windows Server 2003 SP2, Windows Vista or Windows 7 (32-bit or 64-bit)
- Minimum screen resolution: 1024 x 768 (800 x 600 not supported)

Hardware

- Pentium 4, 2.0 GHz or better
- 512 MB RAM
- 250 MB available disk space for the DataSuite application

1.1.2. Language Support

DataSuite currently supports English interface only with additional languages to be added in future DataSuite versions.

To toggle the software language, go to **Help > Language**. You must then exit DataSuite for the changes to take effect.

1.1.3. Working with User Accounts

The software installation procedure and license activation process must both be carried out by a user with Administrator privileges, otherwise there will be problems accessing the software by user's with standard non-Admin privileges.

Each specific user account that accesses the DataSuite software module can commence trial period for that specific account. However, as soon as a user with Administrator privileges activates the module with the unique license serial number, then all user accounts which had previously been in Trial mode, will now be fully activated.

All users will have full access to the DataSuite module's settings and data files.

1.1.4. Installation Procedure

Note: If you are planning to use more than one Omega system e.g. OM-DAQLINK and OM-DATANET, only one DataSuite software installation is required. Each product is managed by a specific product module within the DataSuite modular application.

Please read these instructions before proceeding with the installation process.

1. Insert the DataSuite software CD into your computer's CD drive. The DataSuite Installation Wizard automatically starts running.
2. The Wizard first downloads and installs **Microsoft .NET Framework 2.0,** if not already detected on the computer. The DataSuite software requires this platform in order to run. Follow the installation instructions to install the .NET Framework on your PC. This step can take up to two minutes to complete. Click **Finish** once installation is complete.

   Note: If .NET Framework is already installed on your computer this step is skipped.
3. The main DataSuite Installation Wizard now resumes. Follow the installation instructions to install DataSuite on your computer.
4. Following DataSuite software installation is the Silicon Laboratories USB driver installation. The driver is necessary for the computer to detect the OM-DAQLINK hardware.
5. Follow the on-screen instructions to continue the installation process. The default installation location is *C:\SiLabs*.

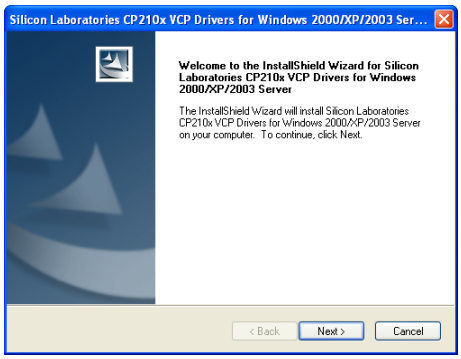


Figure 1: Installing Silicon Labs USB driver – Step 1

6. During the driver installation, the following window will pop up. Make sure to select the checkbox to launch the driver installer, and click **Finish**.

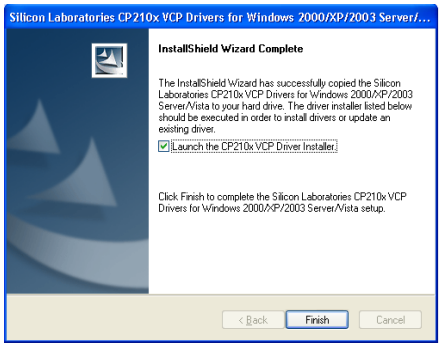


Figure 2: Installing Silicon Labs USB driver – Step 2

7. In the subsequent window, click **Install** to install the driver.



Figure 3: Installing Silicon Labs USB driver – Step 3

The installation of the driver could take up to one minute or more, depending on the system.

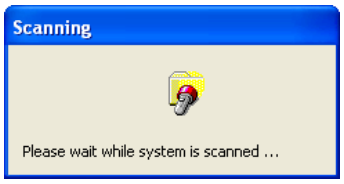
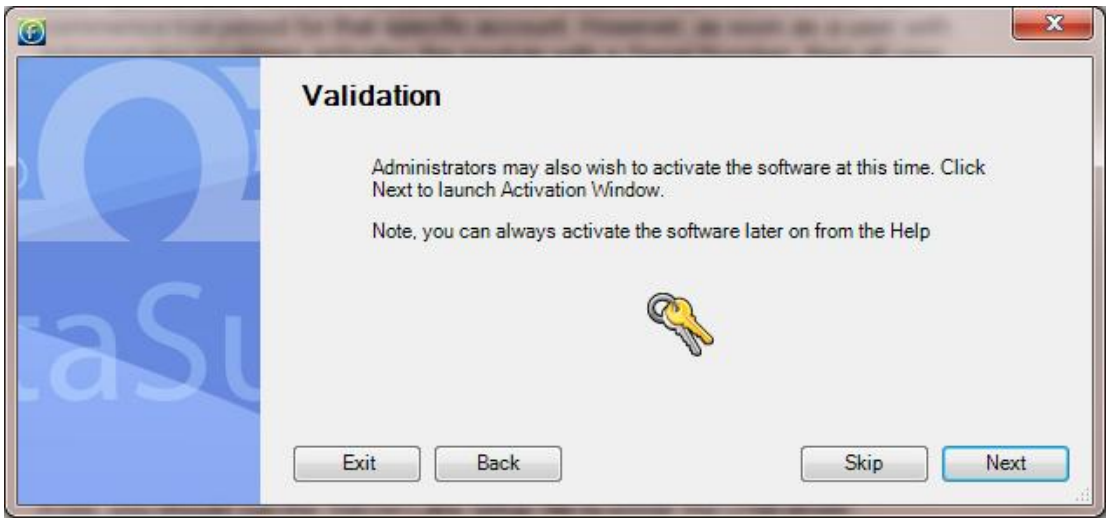
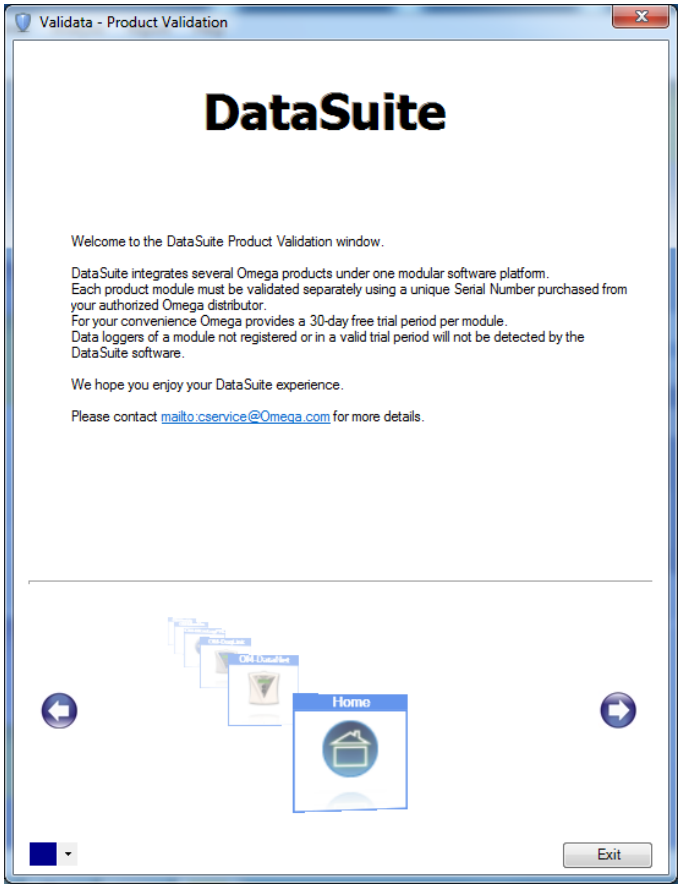


Figure 4: Installing Silicon Labs USB driver – Step 4

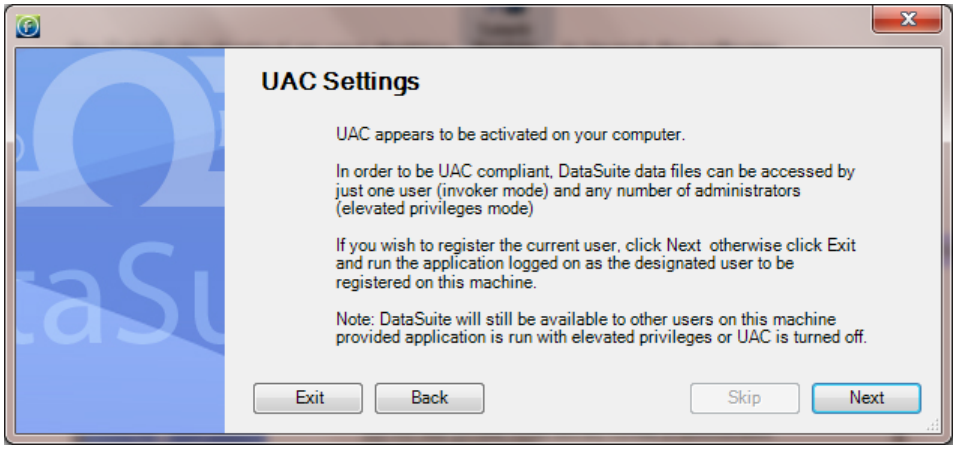
8. Once installed click **Finish** to close the USB driver Install Wizard dialog.
9. The DataSuite software and components have now been installed. Double click the DataSuite shortcut on your desktop to launch the software.
10. The DataSuite Welcome window will open, prompting the user to configure the application before use. This must be done only once when first running the software. Click **Next** to continue.
11. You are then given the choice to activate the DataSuite software now or to do so later. To activate now click **Next,** to activate later click **Skip.** Even if the software is not activated using the license Serial Number, you still need to commence the Trial period in order to use the hardware.



12. When choosing to activate the software, the DataSuite software registration window will open. Select the relevant module button e.g. OM-DAQLINK.



13. Select **Start trial** to commence the free 30-day trial and click **Next**. The module registration can be completed at a later stage. For more details refer to section **Error! Reference source not found.**.
14. Once the Trial period has started, DataSuite will detect the connected loggers. To detect more than one product module at the same time, you must ensure that each module is either in Trial mode or activated using the unique software Serial Number.
15. When completing the necessary tasks in the Validation window, click **Exit**. You will return to the window from step 11. Click **Skip.**
16. In specific versions of Windows, the user may have User Account Control (UAC) settings activated. If so, the user will be prompted the following instructions. Select the relevant option**.**



17. You have reached the end of the configuration process. Click **Finish** to launch the application.
18. Once the module is launched, connect the device to a USB port on your computer. It will automatically detect the logger as new hardware and the device will appear as a new icon in the DataSuite Map View.

1.1.5. Working with Multiple User Accounts

Each specific user account that accesses the DataSuite software module can commence trial period for that specific account. However, as soon as a user with Administrator privileges activates the module with a Serial Number, then all user accounts which had previously been in Trial mode, will now be fully activated.

All users will have full access to the DataSuite module's settings and data files.

1.1.6. Installation Troubleshooting

When connected to the PC USB port the device was not detected by the software.

Ensure that the USB driver was installed properly.

Go to **Control Panel > Add/Remove Programs** (in WinXP), and check that the driver is installed:



If not, you should run the Silicon Labs setup file to install the USB driver: CP210x_VCP_Win2K_XP_S2K3.exe setup.exe to install the driver.

If the driver is installed, ensure that there is no other device sharing the USB com port with the device.

If you didn't select the **Launch CP210x VCP Driver Installer** checkbox during step 2 of the driver installation wizard (see section 1.1.2), then the driver wasn't installed. Run the wizard again and be sure to select the checkbox.

1.2. DataSuite Software Registration

DataSuite requires the OM-DAQLINK modules to be registered within 30 days of installation, using a serial number provided with purchase of the DataSuite OM-DAQLINK module (OM-DAQLINK-SOFT).

When the initial 30 day Trial period is over, the user will not be able to operate the OM-DAQLINK via the software until a valid serial number is registered.

Note: The software activation feature protects Omega's intellectual property for both its software and hardware.

Please note that:

- Each serial number is good for unlimited installations on a single computer. You cannot install the software using the same serial number on another computer.

  If you have replaced your computer and must reinstall DataSuite using the same serial number, contact Omega Customer Support for assistance.
- Registration can be performed from the computer with DataSuite installed, or if there is no Internet connection from that computer, then via another computer with Internet connectivity.

1.2.1. Software Registration Process

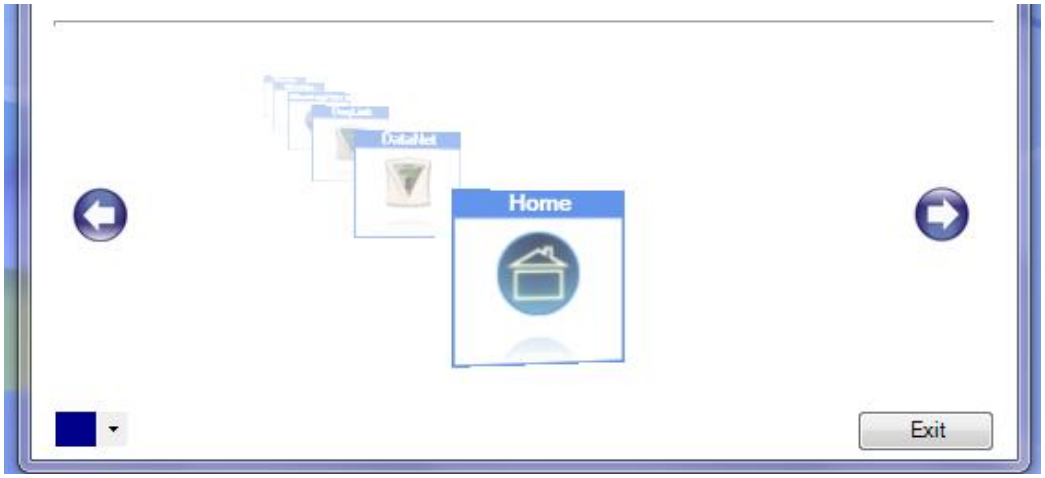
Note: The software registration forms are all case sensitive. Incorrect entry will result in invalid registration.

To register any one of the DataSuite modules, follow the instructions below:

1. Locate the DataSuite module serial number (SN). The SN label is found on the DataSuite box as well as on the software CD case.

Note: If you cannot locate your serial number, contact Omega Customer Support directly.

2. Launch DataSuite. The registration wizard will open.
3. To open the registration wizard from within DataSuite go to **Help > Register**.
4. From the bottom of the wizard Home screen, select one of the module buttons to proceed to the registration screen for that module.



5. Three choices are presented. Select the relevant option and click **Next** to proceed:



- **Activation via the Internet**

  Select to proceed with registration on the same computer on which DataSuite is running, ensuring it has a live Internet connection.

- **Activation via an Internet connection on another computer**

  Select if the computer on which DataSuite is running does not currently have Internet connectivity.

- **Start trial**

  Select to commence the 30 day free trial period and continue working in DataSuite.

6. After selecting one of the two available options for continuing with the registration process, and after clicking **Next** in step 4 above, you will be prompted to enter the software SN. Enter the SN and click **Next**.

Note: Each serial number provides a single user license for the specific module. You cannot use a serial number already registered on another computer.

7. The registration process now differs, depending on which option was selected in step 4 above. Read the relevant section below for further registration instructions.

Activation via the Internet

1. After entering the software serial number, click **Next**.
2. DataSuite will now establish communication with the Omega server to complete the registration process. If successful, a confirmation message will appear. In the event of any problem in the registration process, please contact your Omega Customer Support.
3. Click **Close** to return to the DataSuite software.

Activation via Internet Connection on another Computer

1. After entering the software serial number, a window providing additional registration instructions will open.



2. Follow the steps as outlined in the window.

Note: It is recommended to generate a text file containing both the Application Key and the Web registration form URL. Press the  icon. Transfer this file to the computer with Internet connection, as the registration process must be continued from there.

3. Record the License Key obtained from the Web registration form. Enter it into the License Key field in Step 3 and click **Unlock**.
4. DataSuite will now establish communication with the Omega server to complete the registration process. If successful, a confirmation message will appear. In the event of any problem in the registration process, please contact Omega Customer Support.
5. Click **Close** to return to the DataSuite software.