

COMSOL QUICK INSTALLATION GUIDE

VERSION 3.4



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Patent pending

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Before You Begin

CHECK SYSTEM REQUIREMENTS

Make sure your system satisfies all applicable requirements. Go to <http://www.comsol.com/products/requirements/> to check our requirements list.

OBTAIN LICENSE FILE OR PASSCODE

Have your license file or passcode (Windows and Mac installations only) ready.

A passcode has a form similar to:

FFFFFF-CUSV-123456-1234567-123456789

You need a license file or a passcode to install COMSOL 3.4. You should have received it in an e-mail or letter from your sales representative. If you have not received a passcode or a license file, contact your local COMSOL representative.

LICENSE SERVER INSTALLATION NEEDED?

Some COMSOL license types require that you also install a license manager before running a COMSOL software product. If you install COMSOL software with a passcode, no license manager is needed. If you install it with a license file, you need to install the license manager if the license file contains a line starting with the word SERVER. Please see the section “License Manager Installation” on page 24 in the *COMSOL Installation and Operations Guide*.

NEED MORE INFO?

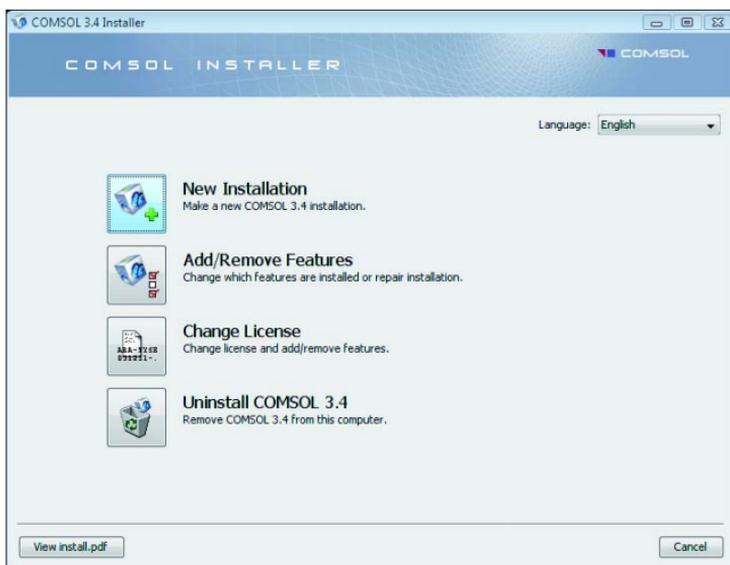
For complete installation instructions, information about installing and running the COMSOL software with various license options, license manager, and client/server configurations, system

requirements, and license error troubleshooting, see the *COMSOL Installation and Operations Guide*, which is included as a PDF file on the installation DVD or CD 1. It is also available in the COMSOL Help Desk after installation in HTML and PDF formats.

Also see the COMSOL Support Knowledge Base at www.comsol.com/support for up-to-date information about specific issues that might concern certain hardware or operating system versions.

Installing COMSOL 3.4 on Windows

- 1 Before starting, make sure you have administrative privileges.
- 2 Insert the COMSOL 3.4 DVD/CD 1 into the DVD or CD-ROM drive. The **COMSOL Setup** window should appear automatically; if not, run the file `setup.exe` on the installation CD.
- 3 Click the **New Installation** button.



- 4 Continue with the installation according to the instructions that appear. If you install using CDs, be prepared to eject CD 1 from the CD-ROM drive. Then follow the instructions in the dialog box and insert CD 2, CD 3, and so on.
- 5 When the installation is complete, you get a chance to view the installation log. Click **Finish** to exit the installation program.

Installing COMSOL 3.4 on Linux and Sun

- 1 You need root privileges to install COMSOL in a system directory. You may also need root privileges to mount the CD-ROM.
- 2 The COMSOL installer is an X-windows application so you need to be logged in with access to an X-windows display.
- 3 Insert the COMSOL 3.4 DVD/CD 1 into the DVD or CD-ROM drive. If the CD is not mounted automatically by your operating system, use the `mount` command to mount the CD.
- 4 To start the installation, enter the command

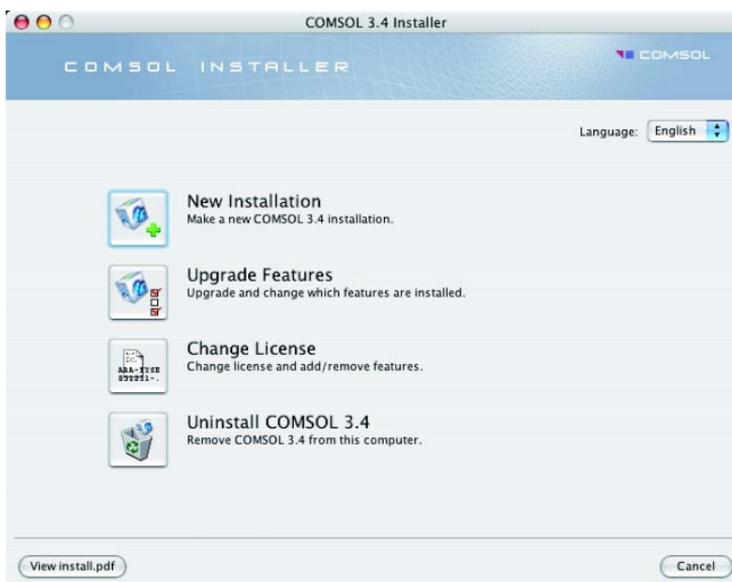
```
sh /mnt/cdrom/setup
```

The path `/mnt/cdrom` is the mount point of the CD-ROM drive.

- 5 Continue with the installation according to the instructions that appear. If you install using CDs, be prepared to unmount and eject CD 1 from the CD-ROM drive when the corresponding dialog box appears. Use the `umount` and `eject` commands to unmount and eject the CD. Some Linux and Sun configurations automatically unmount and eject the CD when you press the CD drive button. Insert CD 2, CD 3, and so on, making sure that the CD is mounted, and click **OK**.
- 6 When the installation is complete, a **Finish** window appears. Click **Finish** to exit the installation program. The installation program writes an installation log to the text file `comsolsetup.log` in the COMSOL installation directory.

Installing COMSOL 3.4 on Mac

- 1 You need administrative privileges to install COMSOL in a system directory.
- 2 Insert the COMSOL 3.4 DVD/CD 1 into the DVD or CD-ROM drive. Launch the **COMSOL Installer** application from the Finder. The **COMSOL 3.4 Installer** window appears.
- 3 Click the **New Installation** button.



- 4 Continue with the installation according to the instructions that appear. If you install using CDs, be prepared to eject CD 1 from the CD-ROM drive. Then follow the instructions in the dialog box and insert CD 2, CD 3, and so on.
- 5 When the installation is complete, you get a chance to view the installation log. Click **Finish** to exit the installation program.

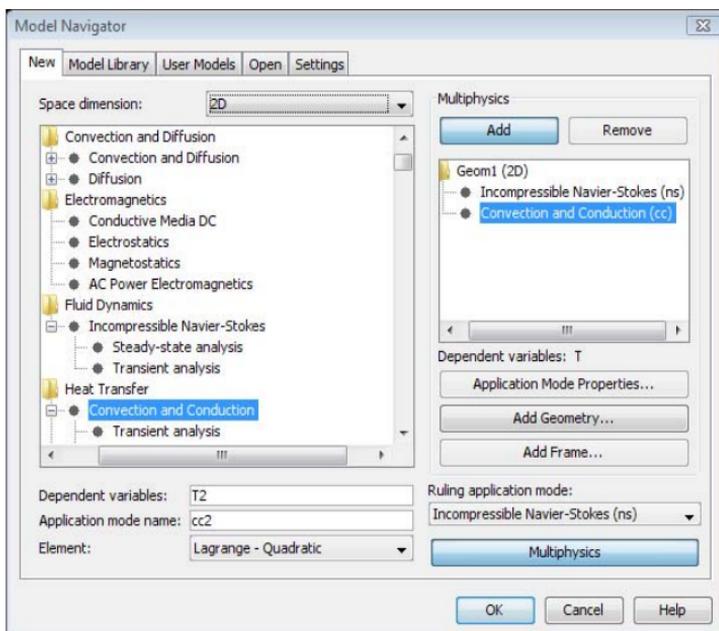
Getting Started

In addition to this manual, we supply many other resources to help you get the most out of COMSOL products.

COMSOL Multiphysics Quick Start and Online Help

The easiest way for new users to get an overview of COMSOL Multiphysics' capabilities and how to use them is to read the *COMSOL Multiphysics Quick Start and Quick Reference* manual. Further, the full COMSOL documentation set is available on your computer in the COMSOL help resources and as a set of PDF files. In the COMSOL Multiphysics user interface, choose **Help Desk (HTML/PDF)** from the **Help** menu to access all documentation. To get started with COMSOL Script, have a look at the *COMSOL Script User's Guide*.

The model libraries in COMSOL Multiphysics and the modules provide many fully-documented example models that you can study to learn about modeling techniques and to use as starting points for your own models. To open models, click the **Model Library** tab in the **Model Navigator**, which is the dialog box that appears when you start COMSOL Multiphysics. Click the **New** tab to create a new model by first choosing the space dimension and then one or more application modes for the types of physics or equations that you want to model.



Technical Support

If any questions arise regarding COMSOL software products, do not hesitate to contact your local COMSOL representative or send your questions to support@comsol.com.

Further, at www.comsol.com/support you can find a broad range of technical support resources including the searchable COMSOL Knowledge Base.

Running COMSOL Multiphysics

On Windows, you find COMSOL program icons on the desktop and by pointing to **COMSOL 3.4** on the **Start** menu.

On Mac, the COMSOL programs are available in the **COMSOL34** folder, which you find in the **Applications** folder.

On Sun an Linux, run the `comsol` command to start COMSOL Multiphysics and the `comsol script` command to start COMSOL Script.

For further information about the COMSOL commands, available client/server options, and about running the COMSOL software in parallel, see the *COMSOL Installation and Operations Guide*.