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# CDEGS

**SES Software**

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## Installation Guide

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**Version 17.1**

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[sestech.com](http://sestech.com)



[info@sestech.com](mailto:info@sestech.com)



1 450 622-5000

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# Software Installation

This section provides a summary of the steps required to successfully install the SES Software on your computer system.

## 1. Installation Preparation

### Note

If this is your first installation of the software, you should wait to plug in your software license protection key (USB) until after you have installed the driver for the software license protection key. The driver will automatically be installed at the end of the SES Software installation.

As with all software installations, it is preferable to have no applications running while you install SES Software. To successfully install the software, you will need the following:

1. Hardware and operating system that meet the software's requirements.
2. Critical and important updates for your operating system installed.
3. Full administrator privileges for your computer.

## 2. Installing SES Software

Execute the *Setup.exe* program from the SES Software distribution media folder.

The installer will take you through three phases of the installation: prerequisite installations, core installation, and driver installation.

The driver installation is only required for a personal license. The installer will not invoke the driver installation if you are installing the software to be used with a network license.

### Note

If the installer requests a reboot of the computer in any of the phases of the installation, please do so. If the installation was not completed at the time of the reboot, it will automatically continue with the installation after the reboot.

1. If you are installing the software for a personal license, and you have a software license protection key plugged into a USB port of your computer, please disconnect it before running the installer.
2. Install all of the requested prerequisites that the installer displays in the requirements list.

3. For the installation, select the default options in most of the settings dialogs and install the software. Each dialog has detailed information on the options for your convenience.
4. If you are installing the software for a personal license, please allow the installer to proceed with the installation of the driver for the software license protection key. The driver installation is automatically started only if an older driver is found on your computer or no driver has yet been installed. Note that if the installer requests a reboot before starting the phase for the driver installation, then reboot the computer; the installer for the driver will start automatically once you have logged back into your account.
5. Once you have successfully installed the software for a personal license, you may now plug the software license protection key into a USB port of your computer and wait for the red LED on the key to illuminate.
6. Prior to running SES Software, please ensure that the software's security profile has been established. Depending on the license type that you had chosen for SES Software during its installation, refer to the corresponding one of the following document below for details on how to configure the software protection:
  - a. Personal License: PDF \ PersonalInstall.pdf
  - b. Network License: PDF \ NetInstall.pdf

# Hardware and Operating System Requirements

This section lists the required and recommended computer hardware and operating system to successfully install the software.

## 3. Hardware

This section lists the required and recommended computer hardware and operating system to successfully install the software.

	Required	Recommended
CPU	Intel Pentium IV or higher	Intel Core i9, multi-core
Platform	64-bit	
Memory*	8 to 12 GB	
Video Adaptor	High-resolution display (1280 x 1024 pixels minimum), DirectX9-capable	
Disk Space	10 GB required by the installer	
Software Protection Dongle Port	USB 1.1, USB 2.0 (or higher) port	

\* Depends on complexity of models built.

In addition, it is recommended that the Windows font size be left at the Windows default as some custom font sizes may cause some labels within SES Software to display incorrectly. To be able to simulate large and complex environments, it may be necessary to have a large Windows swap (page) file if RAM is not sufficient. In such cases, it is recommended that a swap file that is twice the size of physical memory be used. You should also allow room on your hard disk to accommodate input files, temporary run files, output files, database files, and plot files. The above-mentioned free hard disk space requirements are in addition to these disk space needs.

## 4. Operating System

Professional Operating Systems	Consumer Operating Systems
<ul style="list-style-type: none"><li>• Windows 11 Pro</li><li>• Windows 10 Pro†, Windows Server 2022, or Windows Server 2016/2019</li><li>• Windows 8.1 Pro or Windows Server 2012 R2</li></ul>	<ul style="list-style-type: none"><li>• Windows 11 Home</li><li>• Windows 10 Home†</li><li>• Windows 8.1</li></ul>

† Stable feature update. Since Windows 10/11 feature updates are now being released annually by Microsoft, SES Software is fully tested on a feature update version that has been available for a few months. Technically, SES Software should work satisfactorily on all feature updates of Windows 10/11.

### Note

Older versions of SES Software (e.g., v13, v12, v11, etc.) are not fully compatible with Windows 10/11 and Windows 8.1 operating systems.

# Troubleshooting Software Installation

The computation modules are only available in the presence of a valid license.

If you are running SES Software with a personal license, check the following:

- The software license protection key is connected to your computer.
- The driver for the software license protection key is installed and SES Software is configured to use the driver. Refer to the file, *PDF \ personalinstall.pdf*, on the software distribution media or in your software box, *if you are a new licensee*.

If you are running SES Software with a network license, check the following:

- The server hosting the software license protection key (i.e., the license server) is configured, connected to the network, and has the software license protection key connected.
- Your computer is able to communicate with the server hosting the software license protection key.
- SES Software is configured to use the license server. Refer to the file *PDF \ netinstall.pdf* on the software distribution media or in your software box, if you are a new licensee.

SES specialists are available to answer your questions during normal working hours, eastern time. SES also welcomes your comments regarding improvements you would like to see implemented in the software and documentation. Do not hesitate to ask for help in:

- Installing the software, running the software, and understanding the input data required by each program.
- Understanding engineering concepts associated with the software.
- Defining an appropriate computer model for an engineering problem.

For more extensive help, SES organizes regular training seminars and can provide training at your site. An SES instructor can lead your engineering team through the modeling of one or more engineering problems of your choice and lecture on selected topics. Call us for more details.



SES & technologies, Ltd.

3055 Blvd. Des Oiseaux, H7L 6E8, Laval, Québec, Canada

Tel.: 1 450 622-5000 - Fax: 1 450 622-5053

email: [support@sestech.com](mailto:support@sestech.com)

Website: [www.sestech.com](http://www.sestech.com)