

SES



CDEGS

SES Software
Installation Guide
Version 18.0, 2022

sestech.com



info@sestech.com



1 450 622-5000



Contents

Installation Guide	1
Software Installation	3
1. Installation Preparation	3
2. Installing SES Software	3
3. Updating SES Software	4
Hardware and Operating System Requirements	5
1. Hardware	5
2. Operating System.....	6
Troubleshooting Software Installation	7

Software Installation

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

1. Installation Preparation

As with any installation, all SES programs should be closed during an SES Software installation. 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

Start the installation package program, SES[XY].EXE, where [XY] represents the version number of the release. It will unpack the installation and documentation files¹ to a default distribution folder, SETUP.[Z], where [Z] represents the build number of the release. The distribution folder will be created under the SES Software documents folder (e.g., C:\Users\Public\Documents\SES Software\[X.Y]\Setup.[Z]). The installation will automatically start following the unpacking. If, for any reason, you need to manually start the installation, then run SETUP.EXE from the distribution folder.

The installer will take you through three phases of the installation: prerequisite installations, core installation, and the Sentinel LDK Run-time Environment installation (includes the driver).

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. Make sure that you log in with the same account after each reboot.

Prior to running any SES Software applications, it is required for you to set up the software's security profile.

Depending on the license type that you have chosen for SES Software, refer to one of the following documents from the distribution folder for further details:

- a. Personal License: PDF\PersonalInstall.pdf
- b. Network License: PDF\NetInstall.pdf

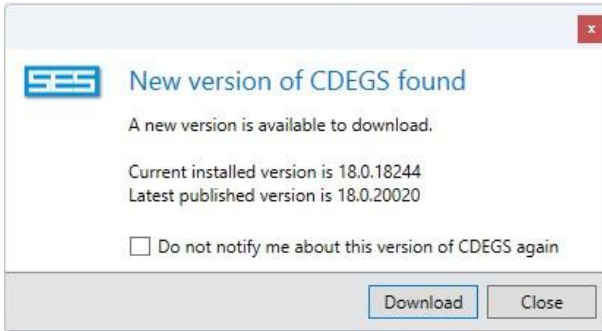
¹ For example, if your Windows operating system is using the English system locale, then the English documentation package, XYLNPK[EN].EXE, should be present in the same directory as the installation package before starting the unpacking.

NOTE: These documents are installed with the software as well. They can be accessed under the shortcut location, **SES Software X.Y > Documentation > Support**, using their corresponding shortcuts:

- Setting up the Personal License
- Setting up the Network License

3. Updating SES Software

Programs can notify at start-up whenever there is a new version of an SES Software update available to download and install.

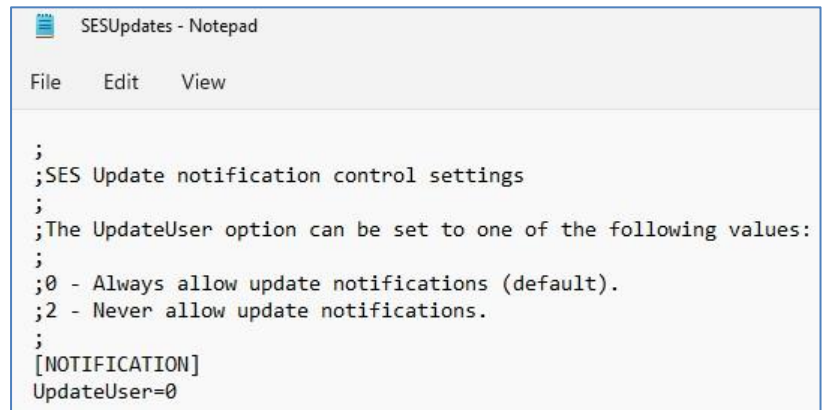


If desired, the update notification can be disabled during the installation in the **Update Notification** dialog.

Once the software has been installed, the setting is stored in the SESUPDATES.INI file in the installation directory, %programfiles(x86)%\SES Software\[X.Y].



An administrator can reset the update notification setting back to its default state by manually editing the settings file in Notepad. This is the master setting, since the setting can only be changed by those who have administrative privileges. The



notification can also be disabled from within the programs of SES Software for the latest detected update. The **New version of CDEGS found** window that pops up at the start-up of a program has an option, **Do not notify me about this version of CDEGS again**, which can be selected to disable the notification until the next update.

This setting is stored in the SESUPDATES.INI file in the SES Software documents folder, %public%\Documents\SES Software\[X.Y].

Keep in mind that if the master settings have disabled the notification, manipulating the setting in the SES Software documents folder cannot re-enable the notification. The reverse is also true.

Hardware and Operating System

The following sections list the required and recommended computer hardware and operating system to successfully install the software.

1. Hardware

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

Description	Minimum Requirements	Recommended
CPU	Intel I3 or equivalent	Core i9, multicore or equivalent
Platform	64-bit	
Memory¹	16 GB	64 GB (for parallel core runs)
Video adapter²	Minimum SXGA display (1280x1024)	UHD display (3840x2160)
Disk space	10 GB required by the installer	500 GB for storing computation files
Software protection dongle port³	USB 2.0	USB 3.0

¹ Depends on complexity of models built

² DirectX-capable

³ Not required for Software-based licenses

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.

2. Operating System

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

SES Software was tested and passed validation on the following operating systems:

Professional Operating Systems	Consumer Operating Systems
Windows 11 Pro †	Windows 11 Home †
Windows 10 Pro †, Windows Server 2022, or Windows Server 2016/2019	Windows 10 Home †
Windows 8.1 Pro++ or Windows Server 2012 R2	Windows 8.1

† 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 or Windows 11.

++ Since Windows 8.1 will reach end of support by Microsoft by the second week of January 2023, SES will not be able to offer support as well for users who are still on Windows 8.1 after the official support ends. It is recommended to upgrade to either Windows 10 or Windows 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 hardware key is connected to your computer. For a software-based key, it needs to be set up.
- The driver for either type of key is installed, and SES Software is configured to use the driver. Refer to the file, *PDF\personalinstall.pdf*, in the SES Software distribution folder 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 acting as a license server is configured, connected to the network, and has the hardware key connected. For a software-based license, it needs to be set up. The port 1947 for TCP and UDP must be open between your computer and the license server.
- Your computer can communicate with the license server.
- SES Software is configured to use the license server. Refer to the file *PDF\netinstall.pdf* in the SES Software distribution folder 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. Contact us for more details; refer to the *PDF>ContactSES.pdf* document (in the SES Software distribution folder) for numerous ways by which you can reach us.



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 Website: www.sestech.com