

ETABS® 2013 Version 13.0.0

© Copyright Computers and Structures, Inc., 2013

Release Date: 2013-04-17

ETABS 2013 is a major and comprehensive upgrade from ETABS v9.7.4, and is distributed electronically by download from the internet using the CSI Installation Wizard.

PLEASE READ THIS FILE!

It contains important information that may be more current than what is in the Manuals.

Contents

1. Installation Instructions for ETABS 2013 Version 13.0.0
2. Installation Instructions for License Manager 8.5.0
3. New Features for ETABS 2013
4. File Compatibility with Older Versions
5. Significant Changes from Version 9.7.4

1. Installation Instructions for ETABS 2013

ETABS 2013 Version 13.0.0 is available electronically as a full installation by download from the internet using the CSI Installation Wizard, or on DVD by request. Installing ETABS 2013 will not uninstall older versions of ETABS.

ETABS 2013 is available as a 32-bit or 64-bit application. On a 32-bit operating system you can only install the 32-bit application. On a 64-bit operating system you can install either the 32-bit or the 64-bit application, but not both. Normally the 64-bit application would be recommended unless you need connectivity to a 32-bit version of Microsoft Excel or Access.

Whether you are using a standalone license or a network license, the full 32-bit or 64-bit application must be installed on each workstation where ETABS 2013 will be used.

Using the Installation Wizard will guide you step-by-step through the process of installation and licensing. If you choose instead to use the DVD, follow the instructions provided in the installation browser that automatically starts up when the DVD is inserted into the drive on your computer.

Before installation, be sure you have your Activation Key available if you are using a Standalone license. You should have received this by email from CSI or your dealer. For network licenses, it is convenient to have the licenses already activated on a license server, but this is not required.

To begin the CSI Installation Wizard, click this link:

<http://www.csiberkeley.com/go/installation-wizard>

The Wizard will start and guide you through the process. The actual files needed for installation will be downloaded as necessary. An active internet connection is required throughout the installation and licensing process.

The license activation server ports are 8080 and 8443. If either of these ports is blocked, they need to be opened. Otherwise license activation will not be possible.

Windows User Account Control (UAC)

For recent versions of the Windows operating system (Windows 7, 8, Vista, and XP SP3), User Account Control (UAC) is enabled by default. When UAC is turned on, you must explicitly give permission to any program that wants to use "Administrative" privileges. Any program that tries to use Administrative privileges without your permission will be denied access.

The installation of the ETABS and the activation of the license require "Administrative" privileges to run. When installing ETABS with UAC enabled, you should expect to be prompted to allow the installer access to system folders and Windows registry. Please allow it to continue so that the installation can complete.

2. Installation Instructions for License Manager 8.5

The information in this section does not apply if you are using Standalone licenses.

If you will be using a network license to run ETABS 2013, the License Manager and Utilities should be installed on a license server, which is usually not one of the client workstations. The Installation Wizard (and DVD) provide the following installations:

Sentinel RMS License Manager 8.5

- If you have an earlier version of Sentinel RMS License v8.x.x running, uninstall it after making sure no licenses are currently in use and no commuter licenses are checked out. Make a backup of the license file "lservc", and then proceed with the installation of License Manager 8.5.
- If you are already running the Sentinel RMS License Manager 8.5 or a later version, you can skip this installation.
- If you have an earlier version of Sentinel RMS License v7.x.x running, you will need to leave this installed as v8.5 does not recognize v7.x.x licenses. Install the Sentinel RMS License Manager 8.5 on a different server.

Sentinel RMS License Manager 8.5 Utilities

- The Sentinel Utilities for License Manager 8.5 needs to be installed even if you are running a later version of the License manager. The Utilities are to be installed on the same license server as License Manager. During the installation you will be prompted for a Network Activation Key. You should have received this by email from CSI or your dealer. Enter the key and click on Activate; a Network license will then be generated and copied to the server location or appended to an existing license at the server location. Note that the License Manager 8.5 needs to be running to activate the license.

On the client workstations

To speed up finding a network license when ETABS is launched, you can do either or both of the following:

- Create a text file, LEVEL.TXT, and enter the *ProgramLevel* in a single line. The *ProgramLevel* should be one of the following:

PLUS / NONLINEAR / ULTIMATE / PLUSC / PLUSCD / PLUSCC / PLUSCS /
NONLINEARC / ULTIMATEC / PLUSI / NONLINEARI / ULTIMATEI

Save this file to the folder where ETABS 2013 is installed. This file will cause the program to find the license faster.

- Create a text file, LMHOST.INI, and enter the network name or IP address of the machine that is running the License Manager. If you are serving licenses on more than one machine, enter each name or IP address on a separate line of text. Save this file to the folder where ETABS 2013 is installed.
- Either the LEVEL.TXT file or the LMHOST.INI file can also be placed in the user settings folder, which can be found by entering “%LocalAppData%\Computers and Structures\ETABS 2013” (without quotes) in Windows Explorer. Accessing this folder does not require administrative permissions like the installation folder does. Files located in the user settings folder will take precedence over those in the installation folder.

As an alternative to using the LEVEL.TXT file, you can specify the program level as a command-line option. To do this, use the Windows Run command or create a shortcut pointing to ETABS.exe in the installation folder. Add the following text to the command line after “ETABS.exe”

/L ProgramLevel

where *ProgramLevel* is one of the values listed above for the LEVEL.TXT file. Specifying *ProgramLevel* on the command line will supersede the value in the LEVEL.TXT file.

3. New Features for ETABS 2013 Version 13.0.0

ETABS 2013 is a major new release, and significant new features have been added or enhanced since Version 9.7.4.

For a full list of features and capabilities, please visit the ETABS 2013 news page at <http://www.csiberkeley.com/etabs2013/news>.

4. File Compatibility with Older Versions

ETABS 2013 Version 13.0.0 can open model files (*.EDB) from older versions of ETABS, as well as import older ETABS text files (*.E2K and *.\$ET.) Note that once you save or run these models in Version 13.0.0, they will not be usable by older versions of the program, so you should save them under a new name after opening or importing them in v13.0.0. By default, this is done automatically.

5. Significant Changes from Versions 9.7.4

For significant enhancements that have been made since Version 9.7.4, please see Section 3 above. Significant incidents that have been resolved are listed below. For a complete list of all changes, please see the separate file ReleaseNotes.PDF in the Manuals subfolder of the ETABS 2013 installation and available by using the *Help > Documentation* command in ETABS 2013. Note that most incidents do not affect most users.

Significant Incidents Resolved from v9.7.4 (Released 2011-12-20)

Frame Design

Incidents Resolved

Incident	Description
35291	An incident was resolved for concrete frame design using the "ACI 318-08" code in which the column design for minor-direction shear was not being checked for capacity shear in Special Moment Frames, but was instead reporting the results for major-direction shear. The column was being designed correctly for major-direction shear. This error could be unconservative.
36554	An incident was resolved for continuity-plate design at the beam-column joints of steel frames in which the reported continuity-plate areas for certain cases could be incorrect. This occurred when a continuity plate was needed at the beam-column joint and the beam-flange force was large. The required area of the continuity plate that was reported could be unconservative (too small) in certain rare cases when the continuity plate design was governed by continuity plate buckling. However, any design that uses the thickness of the beam flange for the continuity plate will be sufficient. This affected the following codes: "AISC 360-05/IBC2006", "Eurocode 3-2005", "CAN/CSA-S16-01" (no longer supported), and "CSA-S16-09". All other codes are unaffected by this issue. Users should review previous designs by these codes where continuity plates were required and the areas of the plates actually used were less than that of the corresponding beam flanges. The previous implementation was consistent with the documentation, and the documentation has also been corrected.