

Basic Manual Stair Design



www.sema-soft.com

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This manual is subject to changes without notice and specification of reasons. As every version of our software is reviewed and updated for your benefit, we would appreciate any ideas and suggestions from users. With constructive criticism you can help us to further improve and develop our programs and documentation.

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Brief Introduction with the Help of a Exemple

Target: Creation of a L-shaped Staircase

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Dear SEMA customer!

Welcome to your new SEMA program. You have chosen a state-of-the-art, innovative and comprehensive program system that will make your work a lot easier.

What's special about the new version, are its many functions and features in combination with a userfriendly and modern user interface and a clear program structure. Thanks to the complete integration into the Windows operating system, you will quickly get familiar with the way it works and appreciate its excellent performance.

Nevertheless, only "practice makes perfect" so you need some training to get familiar with all the tricks and knacks and to be able to fully use this comprehensive system.

How to start

Insert the dongle into a free USB port on your computer. Connect to the internet and go to the following download page in your browser: www.sema-soft.com/version-en

After downloading, run the EXE-file. The SEMA installation program will start. The EXE-file is automatically saved in the Windows download folder.

You also find a detailed description of the installation of the SEMA programs in the SEMA basic manual, section 1-3.

SEMA Basic Manual

To make things easier for you, we created a simple basic manual. With this manual you can start immediately and create your first simple building project. In this introduction to the SEMA program, the first steps are described in a simple but detailed way.

We recommend to place the list of contents of this basic manual right next to you when you go through the first steps with our program. It is a kind of guideline that shows one step after the other. If you follow the instructions closely for your first project, (almost) nothing can go wrong.

SEMA Homepage

Always up-to-date and well maintained our website is the place to go for everything around SEMA.

At www.sema-soft.com you can

- read the latest news
- update your SEMA software
- talk to other SEMA customers in our forum
- information on SEMA (including photos and a short description of almost all our staff – so you know who you are dealing with)
- ... and, and, and.

SERIA	English V Q. ▲ Home Software College Support Download	f in O
SEMA College	SEMA COLLEGE The SEMA College comprises the entire school,	•
Timber Construction	Learn more	
Stair Design	The distance of	
Facade & Metal Cladding		
SOFTWARE DESIGN AS 1 304A provide software in all for the seen related work has been used include software in the seen used and seen software in the software in the seen seen software in the customers can share be seen software the	FOR TIMBER CONSTRUCTION AND STAIR NELL AS FOR SHEET METAL WORK	C PRAHA Reference Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Provide Prov

Homepage of the SEMA website

There is a lot to discover.

Take the time and take a look at our website - you will be surprised how much else there is.

The Program's Help Function

To make sure that after the introduction to our program with the manual you can quickly move on, we integrated an extensive F1 Help function for our program.

The context-sensitive Help follows your movements, so to speak, and you will always find the necessary help and information for the currently active command or part of the program.

In addition to that, you can also go through the guided help topics function by function and read the information there.

That means you no longer have to study thick volumes of user manuals. Right after the Installation Guide of this basic manual, you find a detailed description of the integrated program Help.



context-sensitive Help in the program (you can also click the links in the graphics/illustrations)

Seminars and Trade Fairs

But even the best descriptions for self-instruction cannot replace professional training courses.

With our qualified, professional instructors you will quickly learn to operate the program without losing endless time by try and error.

We have put together a comprehensive, varied training program for our customers, so that everybody will find the right course for her/his specific needs. It goes without saying that all our courses are held in small groups.

But what is most important: our instructors have practical experience and train you for your practical work!

And please: Do not hesitate to contact us if you have any problems. Let us know if there are any problems with your system's environment and also if you have specific suggestions and wishes. We need your feedback to perfect our programs. Thus we can show you that we are not a slow machinery but a spirited enterprise.

We wish you every success with your SEMA Software!

| //www.

Alexander Neuss Managing Director

P.S.: Should you h our customer	nave any questions, please do not hesitate to contact service:
E-Mail: Phone: Fax:	support@sema-soft.com +49 8304 - 939 140 +49 8304 - 939 245
If for once you message on o soon as poss	u cannot reach anybody in our office, please leave a our answering machine – we will call you back as ible.

Installation Guide

General Information on Setting up



Before setting up, please close all other applications. When you install SEMA, it does not affect old versions of our timber construction programs – these versions will neither be deleted nor altered in any way! The settings can be taken over from older versions.

The installation program sets up the SEMA programs on the hard disk of your computer. Please note that the installation forms the basis of your future work with the program. Please proceed very carefully!

Therefore, take your time and carry out the installation step by step as described in the installation guide. We can only guarantee the proper functioning of our programs if you install them using this installation program.

SEMA Installation

The installation of the SEMA program system under Windows is done via a separate installation program.



Starting the EXE-file under Windows:

After downloading, run the EXE-file. The SEMA installation program will start. The EXE-file is automatically saved in the Windows download folder.

*.EXE

Next Steps after the start:



The entry page of SEMA appears. Please select the desired language and type of installation:

Click with the left mouse button on the **"Setup SEMA**" box.

SEMA Installation

Installing the SEMA Programs



Please read the instructions on the screen very carefully before you take the next step or before you continue with the installation!

Please close all other programs under Windows before starting the installation. After having installed the SEMA program, we recommend to close Windows and to restart your computer!

In the following, we deal with the installation type most commonly used: the *complete local* installation of the SEMA on your computer.

Depending on whether and which type of program version is already set up on your computer, the installation program distinguishes three cases:

1. First Installation

If no SEMA program version has yet been installed on your computer, the installation program will automatically start under this option.

2. First Installation with SEMA already installed

If an older SEMA version has already been installed on your computer, a dialog box will appear after starting the installation. There you can decide whether or not to adopt the settings of this older version.

3. Change, Repair (Update Installation) or Remove (De-install Program) Program

If a SEMA program version has already been installed on your computer, you will be shown which BUILD No. has been installed.



The installation of SEMA can here be changed, automatically updated or completely removed from your system!

1. First Installation





License Agreement

Please confirm the license agreement to continue with the setup.

Choose Destination Location	
Select folder where setup will insta	all files.
	SOFTWARE
Setup will install SEMA in the follow	wing folder.
To install to this folder, click Next. another folder.	To install to a different folder, click Browse and select
Destination Folder	1 Click "Next >" with the left mouse button.
Destination Folder C:\SEMA	1 Click "Next >" with the left mouse button. Browse
Destination Folder C:\SEMA	1 Click "Next >" with the left mouse button. Browse
Destination Folder C:\SEMA	1 Click "Next >" with the left mouse button. Browse

Select Target Path

As a standard, the program is filed under drive "C:" in the folder "SEMA".

Select Type of Installation

SEMA		×
Type of version		
Select the type of version you want to install.		SOFTWARE
Select the required de	sktop icon for the program start and the click "contin	ue".
● <u>Normal Version</u> SEMA	You are already a SEMA customer, have a SEMA k the full version of the SEMA program. Please note: runs in combination with a SEMA key.	ey and want to install The full version only
⊖try & learn SEMA TL	You are interested in our advected and want to test the SEM Click "Next left mouse b	>" with the putton.
nstallShield ————		
	< <u>B</u> ack <u>N</u> ext >	Cancel

Select Type of Setup

SEMA			\times
Type of setup Select the type of the setup.		5	
Please select the type of the setup.			
Local setup (Stand The program, t installed on the Setup on network, The program is The projects, th re installed loca	ard) he projects, the master dat local hard disk. program installed locally installed locally on the har e master data and the pre illy or on the server. lick with the left nouse button.	a and the pre-se d disk. settings can eith	ettings are er
InstallShield			
	< <u>B</u> ack	<u>N</u> ext >	Cancel

Display Installation Data

tart Copying Files		
Review settings before copying files.	_	SOFTWARE
Setup has enough information to start copying the change any settings, click Back. If you are satisfie copying files.	e program files. If you want d with the settings, click Nex	to review or t to begin
Current Settings:		
Language: English		^
Target path of the program: C:\SEMA		
Type of setup: Local setup (Standard) The program, the projects, the master data installed on the local hard disk.	Click "Next >" left mouse butt	with the con.
<		>

SEMA Installation

Copying the Programs

Here you can keep track of the progress of the program installation. A diagram shows you how much of the program has already been installed.

In the background sample projects of the current version are introduced.



Ending the Installation Process





Please restart your computer after the installation of the SEMA programs. Leave **YES**, *I* want to restart my computer now selected and click *Finish*!

> SEMA Installation

2. First Installation with SEMA already Installed



Adoption of Data of an Older Version.



Here you can adopt the data from the older version, which has already been installed. Later on in the installtion process you have to specify which data exactly you want to adopt.

If you confirm this query here with Yes, the selected installation path, type of installation and type of setup (e.g. standard) will be adopted.

If you do not want to adopt the data, please click *No*. The installation process will be continued as described under FIRST INSTALLATION.

Still, if you want to adopt the data later on after having already installed the SEMA program, you can do this via the "*Extras*" menu \rightarrow "*Options*" \rightarrow "*Data transfer from ...*"

Display Installation Data

MA	,
Choose Destination Location	
Select folder where setup will install	files.
Setup will install SEMA in the following	ing folder.
To install to this folder, dick Next. To another folder.	o install to a different folder, dick Browse and select
	1 Click "Next >" with the
Destination Folder	1 Click "Next >" with the left mouse button.
Destination Folder C:\SEMA	1 Click "Next >" with the left mouse button. Browse
Destination Folder C:\SEMA stallShield	1 Click "Next >" with the left mouse button. Browse

Copying the Programs

Here you can keep track of the the progress of the program installation. A diagram shows you how much of the program has already been installed.

In the background sample projects of the current version are introduced.

×
Cancel

Query for Data Transfer from older version to new version

Taking over of the SEMA-data	X
Please de-activate data you do not want to adopt and activate	the data which you do want to adopt.
☑ Company address	☑ Processings for single member variants
Building project headlines, BP mode	Custom-designed constructions
☑ Display options(F7)	Templates for material lists
Presettings(Alt + F7)	Templates for plans
Icon bars/palettes	Templates for projects
Colour settings	Templates for measurement and quick calculation lists
Component hint setting	Energy performance templates
Processing arguments	✓ All master-data stock
Import/export path material list/single member	
✓ Hundegger P8, P10, K1, K2 machine data	 ✓ Self-defined placeholders ✓ Other settings
Switch all on Switch all off	
03	%
File:	
	OK Cancel

Please de-activate data you do not want to adopt and activate the data which you do want to adopt. Click on *OK* and the copying process is started.

Ending the Installation Process

SEMA	1
	he setup of the SEMA wood building construction software is finished. The program setup has been successful. Before you can use the program, the computer must be started anew.
	• Yes, I want to restart my computer now.
	○ No, I will restart my computer later.
	Click on Finish to 1 Click "Finish" with the
	Thank you for ha
	< Back Finish Cancel



Please restart your computer after the installation of the SEMA programs. Leave **YES**, *I* want to restart my computer now selected and click *Finish*!

SEMA programm-icon und SEMA Presenter



When installing the SEMA software you will find a SEMA program icon and a SEMA Presenter icon on your desktop. The SEMA Presenter is a module for the visualization of projects created with a full SEMA version. However, it's not possible to modify these projects by means of the SEMA Presenter.

SEMA Installation

3. Modify, Repair (Update Installation) or Remove (De-Install Program) Program

Here a installation can be changed, automatically updated or completely removed from your system.

If a SEMA program version has already been installed on your computer, you will be shown which BUILD No. has been installed. A submenu with two further options will appear after clicking the button.



After clicking the installation button opens a drop-down menu with following options:

3.1 Modify Program

- 3.2 Repair Program
- 3.3 Remove Program

SEMA Installation

3.1 Modify the Program



Click the option *Modify* to

Select Components



Select the components you want to install, and clear the components you do not want to install (e. g. company adress or display settings).

Copying the Programs

Here you can keep track of the the progress of the program installation. A diagram shows you how much of the program has already been installed.

SEMA	×
Setup Status	SEMA
SEMA is configuring your new software installation.	
Installing of the program files.	
C:\SEMA\SEMAV222EN\SEMSYS_64_0\STWEBSHOP.DLL	
estal/Chield	
uzranomain	Cancel
	Cancer

3.2 Repairing



The setup option *Repair* installs all program data anew. In addition, all master data, the plan administration etc. are installed anew. Data which has been newly created or edited will not be affected.

Copying the Programs

Here you can keep track of the the progress of the program installation. A diagram shows you how much of the program has already been installed.

In the background sample projects of the current version are introduced.

SEMA	×
Setup Status	SEMA
SEMA is configuring your new software installation.	
Installing of the program files.	
C:\SEMA\SEMAV222EN\SEMSYS_64_0\STWEBSHOP.DLL	
InstallShield	
	Cancel

Ending the Update Installation

We recommend to restart your computer after the update installation.

Close all open programs under Windows and click -> Shut Down... to end Windows and to restart your computer!

3.3 Removing (De-installation)



Click the option *Remove* to de-install the already installed program version.

Confirm Uninstall		×
Do you want to completely remove features?	the selected application	n and all of its
	ОК	Cancel

Safety check to make sure you really want to de-install. This is your last chance to cancel the process. Once you confirmed with OK, the de-installation process starts.

SEMA	×
Setup Status	SEMA
SEMA is configuring your new software installation.	JOFTWARE
Installing of the program files.	
C:\SEMA\SEMAV222EN\SEMSYS_64_0\STWEBSHOP.DLL	
InstallShield	
	Cancel

Online Licensing of Software Modules

Activation of Software Modules

We provide your individual module combination of the SEMA program with all modules you have acquired online for activation. This means, you can either enable an already installed Try&Learn version to become a full SEMA version or activate later acquired modules for your SEMA program.

Automatic Online Licensing via Internet



The <u>automatic</u> online activation only works if your computer is connected to the internet and the SEMA program or the SEMA Try&Learn version has been correctly installed on your computer.



To start the online licensing process, insert the supplied key in a free USB port of your computer!

Now start the already installed SEMA program or SEMA Try&Learn version.



E SEMA Software Licence



SEMA Software Licence Upgrade

730BF62F1855E97C609C87C72C07ED0D7342C071A50D6C36

Here you can automatically activate or upgrade recently acquired SEMA licence or module upgrades to your program system. By clicking onto "Check for licence upgrades" you can check and compare your currently installed modules with our clickbase. Modules bought and not yet activated are detected and hen activated. The following data for your upgrade check has been automatically produced by the program.

Check licence upgrade

V181 Build 8701 English

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After starting the program, the "New license" window will open if you are connected to internet. Please confirm by the button "Start online licensing now"!

Click the "Check license update" button.

This triggers a check of your locally installed modules with your data filed at SEMA.

	SEMA Software Licence Upgrade
FTWARE Co Suc Youri been The S progr	gratulation - your licence upgrade has been cessful! ence and/or module upgrade has been successful and the new licence/module has divated. After restarting the program, the upgrade/new module will be available. MA program is automatically closed when you close this window. After starting the n again, the new upgrades are available.

If your license has been successfully enabled or your modules updated, the corresponding message will appear.

When you then close the window, the program is closed as well.

After restarting the program, you can use the SEMA program with all acquired modules.

Online Licensing

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Manual Offline Licensing without Internet Connection



For manual licensing, the SEMA program or the SEMA Try&Learn version needs to be correctly installed on your computer.



To start the manual offline licensing process, insert the supplied key in a free USB port of your computer.

Now start the already installed SEMA program or SEMA Try&Learn version.

SE SE	MA 003 -	- DG (S	tandard G	irundriss)							
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	E <u>x</u> tras	<u>W</u> indow	2	DG	• 🔒 f	1 🔒			
	1/2	$\ominus \ominus$		A∯ :ģ:	6 ?	<u>H</u> elp	F1 [1. 💽 🥜 - 🌍 🗤	1 2 13 📑	1	- • B 💽 •
Master data container	• 🖈 [DG	×	?€) ®	Start centre <u>G</u> uided help Search Help for <u>t</u> erms What is <u>n</u> ew? SEMA <u>s</u> eminars SEMA <u>w</u> ebsite SEMA <u>u</u> pdate					
						SEMA <u>Online</u> Versions Upda HBV update SEMA newsletter subscriptio <u>E</u> -mail request Licence	te on •	Upgrade	•	automatic	
						About / Info		Extend	•	manual	
					L			Iraining dongle a	activation		57

After starting the SEMA program, go to "?" -> "Licensing" -> "Upgrade your current license" -> "manual".

Upgrade of your SEMA program licence.	×
Code number	
	OK

Please insert manually the license code number which you can find on the delivery note and confirm by **OK**.



If your license has been successfully enabled or your modules updated, the corresponding message will appear.

When you then close the window, the program is closed as well.

After restarting the program, you can use the SEMA program with all acquired modules.



If you encounter any technical problems or get error messages during the activation process, please contact SEMA customer support at +49 8304 - 939 140.

Online Licensing

Short Description of the Program Help

Introduction

To make things easier for you and to make sure you don't have to go through substantial manuals, we created a comprehensive Help function for our program.

It is completely integrated into the SEMA system and thus working with our programs becomes even easier and more efficient.

When we created this help feature, we focused on the most important points and illustrated them with practical examples – so that you can find everything you need at a glance.

This summary is to give you an overview of how the Instant Help works as well as to introduce you to the manifold possibilities this help tools offers.



System Requirements

To be able to use the integrated Instant Help, you need to have an Internet Explorer for Windows, Version 4.x or higher.

Accessing Instant Help

So, if you don't know how to continue or have some kind of problem, simply press the **function key F1** and the relevant Help topic will appear.

Interesting Facts about Help

The Help function feature has been fully integrated into the SEMA program system, so you can work parallel on the project at any time.

Context-sensitive help means that always the relevant help topic for the active command is available, e.g. for the creation function "Place rafter" you automatically find the relevant information on placing rafters when you click the "?".

When you move on to another command, the Help function automatically "follows" and the help topic for this specific command is immediately displayed.

About Using Help

After you have clicked the "?", the drawing area will be divided into two sections and the help topic will be displayed on the left side of the screen in a separate window. And here you find further explanations for the command you are currently using.

In some cases (display options, presettings etc.) the Help topic is presented in a separate window to explain it better. Here you can switch between the Help topic and the SEMA program with the alt+tab key combination (= task change). Otherwise, everything works the same way as in the context-sensitive Help.

<u>Text underlined in blue</u> shows a link to further relevant topics. If you click on such a link, the program automatically goes to that help topic.



To keep the Instant Help fairly short and also to give it a clear layout, graphics (mainly buttons) have been linked as well. If you move with the mouse to such a linked graphic you will see that the mouse pointer changes into a hand. You find this feature for example for the graphical display of the additional options for the creation commands.



If there is no function or command active or if there is no help topic for it, some general information about the program is displayed.

Icon Bar of the Integrated Help

Button	Meaning
4	To navigate through the context-sensitive Help. Goes back to the previous Help topic.
+	To navigate through the context-sensitive Help. Goes to the next Help topic.
	To print out the active Help topic.
S	To go to the Features + Release History of the current version.
7	To open the general Help for the program. Here you can get a general overview of how to use the program.
S. The second se	To open the context-sensitive Help for the program. Here you can get a general overview of the Help topics for all parts of the program.
Q	Search function of the context-sensitive Help.
\times	To close Help.

Program Help

Brief Introduction with the Help of an Example

Creation of a L-shaped Staircase

Task:

To enter a staircase with a rectangular ground plan of 3.2 m x 1.8 m according to the following details:



Result:

In the end, you will see the 3D image of the staircase.



1. Creating a New Building Project

After the start of the SEMA program, the following Start Center will appear:



1.1 Filing a Building Project

5 Create new building project	
Welcome to project creation	
The fastest way to Your ideal project	
Building project header Statistics Notes Query text Preview Settings	
Order no. 002	
Project no.	
Bauvorhaben	
Town	
Draughtsman	
Customer no.	Here you can enter any name or symbol.
Customer name	Confirm your input with enter.
First name	
Street	Contirm with the left mouse button,
ZIP CODE	i.e. adoption of the input data.
Town	
Country	
Update more ^	
Blank project Project with Building Assistant Assistant	

The menu window is closed and the building project which you have created is opened in the drawing area.

Creating a New Building Projekt

2. Creating the Ground Plan

Create the ground plan for the staircase with the dimensions 3.2×1.8 m with the program part "Ground Plan".



Creating the Ground Plan





Now, the ground plan is finished.



Creating the Ground Plan

3. Creating the Stairs Contour

Here you can create the stairs contour on the lines of the ground plan created before.

Click "Stairs".

















Now you see the finished outline of the stairs.



4. Creating the Strings

Insert the strings into the stairs contour created before.





Creating the Strings



Now you can see the strings in the drawing.



Creating the Strings

5. Creating the Handrail





Creating the Handrail





Creating the Handrail



The handrail is finished.



Creating the Handrail

6. Creating Newel post





Creating Posts





2-16









2-18









Close the function with Esc ((ESC)).

All desired posts have been created.

Creating Posts

2-20

7. Creating Balusters





Creating Palings





Creating Palings

2-22



Close the function with Esc ((ESC)).

The balusters are finished.



Creating Palings

8. 3D View

Now you can display the stairs three-dimensionally.





3D View

2-24

Note:

3D view 4 K B 0 N S 🛈 \odot ٥Į 0 9 . R 嚕 Eà ► Close 3D view Save current 3D view ► Horizon on/off (in the visualization) Texture on/off (in the visualization) Areas Overview To get an overview of all areas with all edges hidden ► 3D Show ➤ View: representation of areas ➤ View: hidden edges ➤ View: wire grid model Change viewpoint

In the tool bar of the 3D view you can access the following functions by clicking the symbols with the left mouse button:

We have arrived at the end of our brief introduction. As you could see for yourself, working with the SEMA program is simple and efficient. Nevertheless, it takes some training and exercise to get to know all the many different functions and all the ins and outs of the program.

The developed Instant Help is a powerful tool that will make your work a lot easier and enjoyable. And whenever you are stuck in the program, simply push the function key F1 ((F1)) and you will find the appropriate help topic.

We wish you every success with your first own projects.

P.S.: Should you have any questions, please do not hesitate to contact our customer service:

E-Mail:	support@sema-soft.com
Phone:	+49 8304 - 939 140

If you call outside our normal office hours, please leave a message on our answering machine – we will call you back as soon as possible.





www.sema-soft.com