



# Getting Started

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## Table of Contents

1	Overview .....	3
2	Starting radCASE .....	4
3	First-time Setup of radCASE .....	5
3.1	Select the Language of radEDIT .....	5
4	Finding Resources (Documentation & Samples) .....	6
5	Testing radCASE and Visual Studio .....	7
6	Getting Started .....	10
6.1	First Steps .....	10
6.2	Further Information .....	10
7	Documentation Overview .....	11
7.1	Getting Started (this document) .....	11
7.2	Installation Manual .....	11
7.3	Tutorial .....	11
7.4	Quickstart Guide .....	11
7.5	Guidelines Manual .....	12
7.6	IDE-CC Manual .....	12
7.7	Monitoring Manual .....	12
7.8	Reference Manual .....	12
7.9	Integration Manual .....	12
8	Sample Projects Overview .....	13

## 1 Overview

This document gives you information on how to get started with **radCASE**.

**It is assumed that **radCASE** has already been installed as described in the document *Readme\_First*.**

Complete steps 1 to 5 first before trying to use radCASE.

1. [Starting radCASE](#)
2. [First-time Setup of radCASE](#)
3. [Finding Resources \(Documentation & Samples\)](#)
4. Installing Visual Studio: Follow the appropriate chapter in the *Installation Manual*.
5. [Testing radCASE and Visual Studio](#)
6. Licensing radASE

If you bought a license for radCASE, follow the steps in chapter Licensing Procedures in the *Installation Manual*. If not, skip this step. You can still work in the trial mode (refer to the Information on the radCASE Trial License in the *Readme\_First*)
7. Recommended steps for [Getting Started](#) with **radCASE**
8. [Documentation Overview](#)
9. [Sample Projects Overview](#)
10. Troubleshooting: If problems occur, check out the document **FAQ.pdf**.

## 2 Starting radCASE

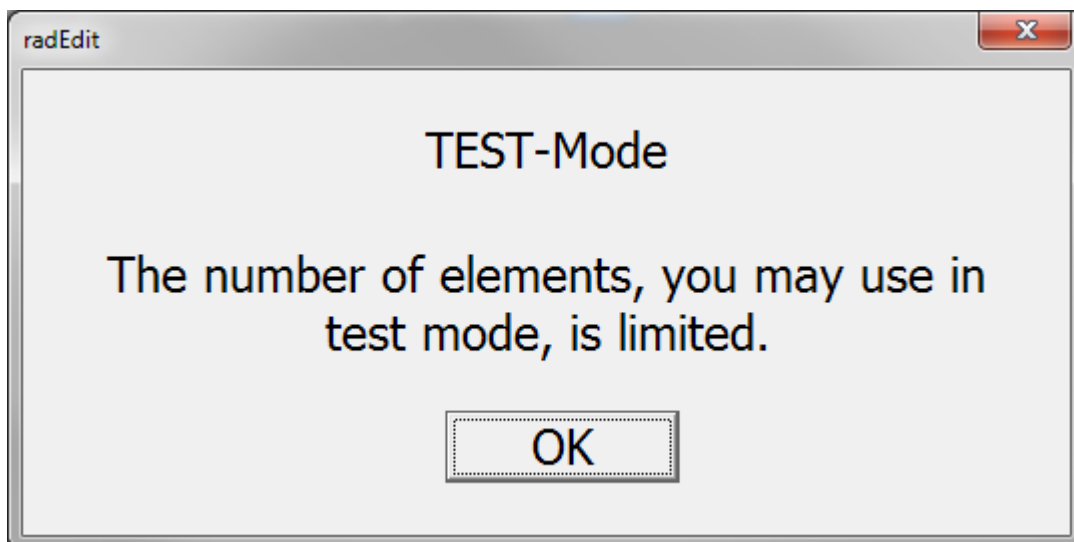
- You can start radCASE by clicking on the desktop symbol



- Alternatively, radCASE can be started through the Windows Start Menu:  
(All Programs –) radCASE – radCASE.

The radCASE IDE **radEDIT** will be opened.

In case of trial edition, radCASE will run in “Test Mode”:



Confirm the corresponding message dialog with OK.

Continue with the next step in chapter [Overview](#).

### 3 First-time Setup of radCASE

#### 3.1 Select the Language of radEDIT

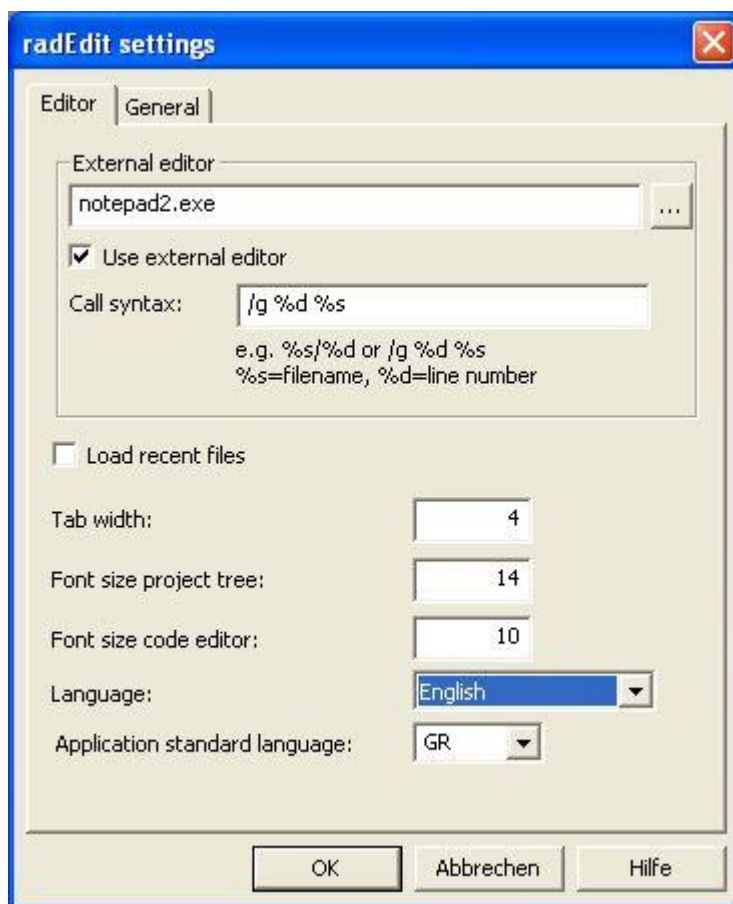
The IDE of radCASE (radEDIT) offers 2 languages: English and German.



It is recommended to set the language to “English”, since all the manuals are in English.

To set the language, do the following:

1. Start radCASE, (see [Starting radCASE](#)):
2. In the radEDIT menu, select the following (depending on the current language setting):
  - a. English: Tools – Settings, Tab Editor – Language
  - b. German: Extras – Einstellungen – Tab Editor – Sprache

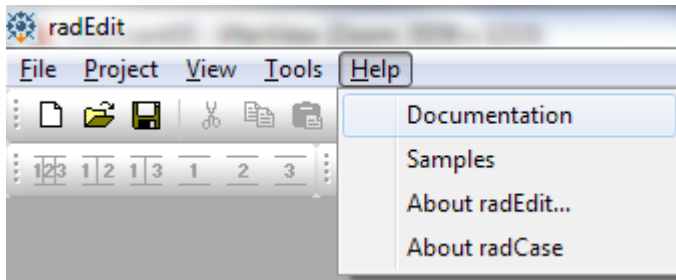


3. Choose the language to be used.
4. Restart radEDIT for the change to take effect.

Continue with the next step in chapter [Overview](#).

## 4 Finding Resources (Documentation & Samples)

- You can find the available documentation and access the provided sample projects through the radEDIT menu: Help – Documentation / Samples:



- Alternatively, you can find the resources using the following links (in the *windows start menu* and *on the desktop*) after the installation of radCASE (unless you chose to not install the links).

Link	Further information
<b>radCASE Documentation</b>	See <a href="#">Documentation Overview</a> .  Hyperlinks to other manuals in the GettingStarted.pdf only work, when the installed copy of this document is used.
<b>radCASE Projects / radCASESamples</b>	See <a href="#">Sample Projects Overview</a>



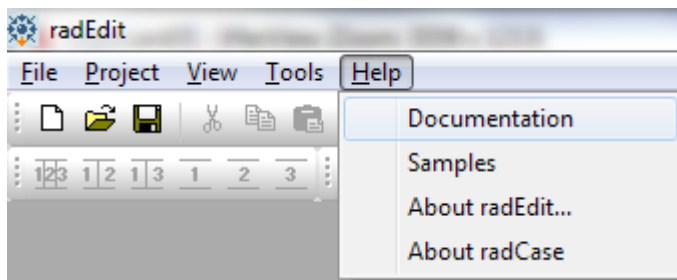
Make sure to follow the documentation until chapter [Testing radCASE and Visual Studio](#) before trying to run the samples.

Continue with the next step in chapter [Overview](#).

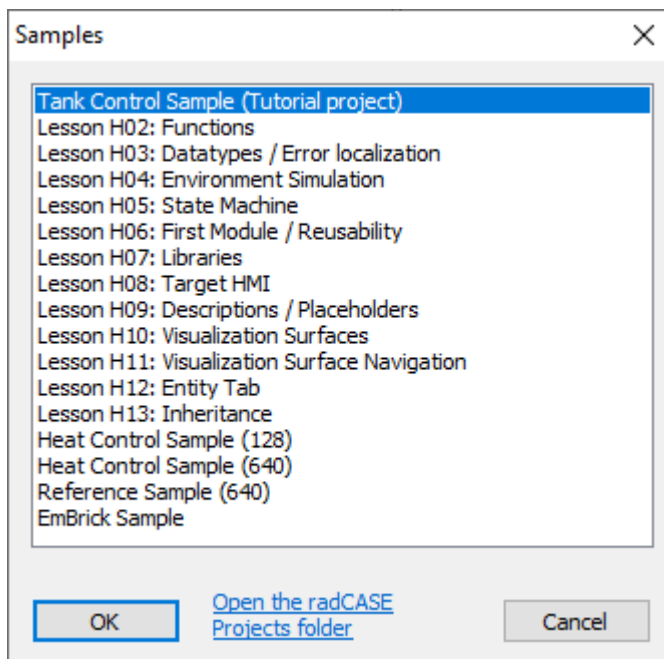
## 5 Testing radCASE and Visual Studio

Verify the correct operation of radCASE and Visual Studio by building and running the provided sample project “TankControl” in the simulation:

1. Start radCASE (see [Starting radCASE](#))
2. Open the sample project “Tank Control Sample”
  - a. In the radEDIT menu, choose Help – Samples:

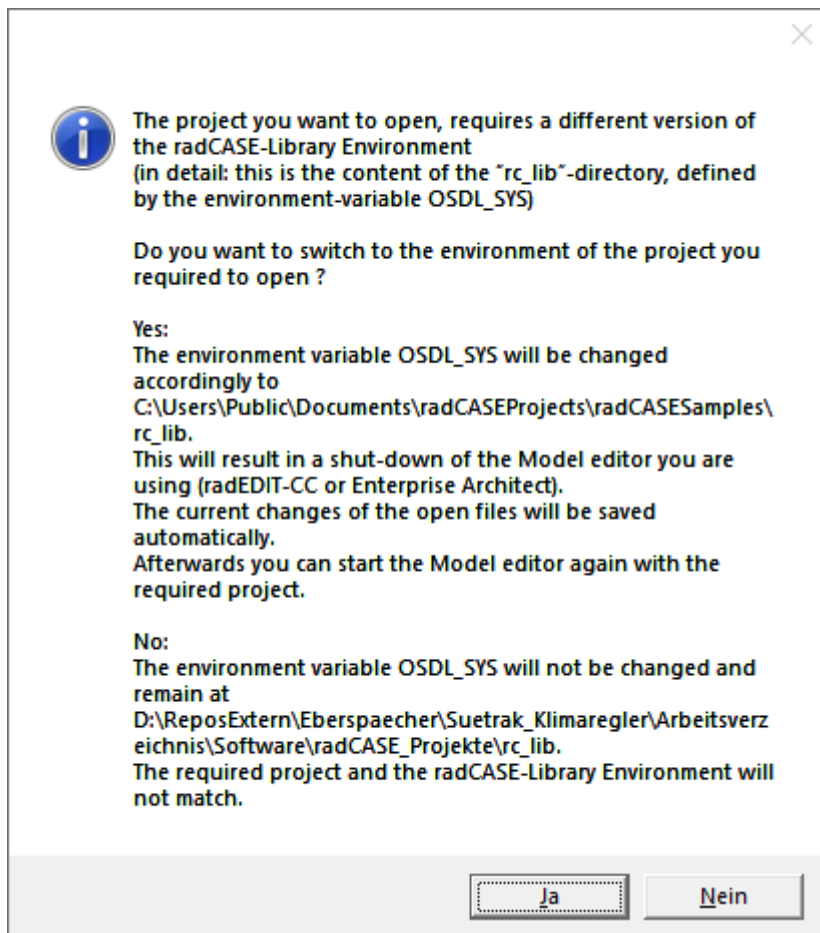


- b. Select “Tank Control Sample”, then click “OK”

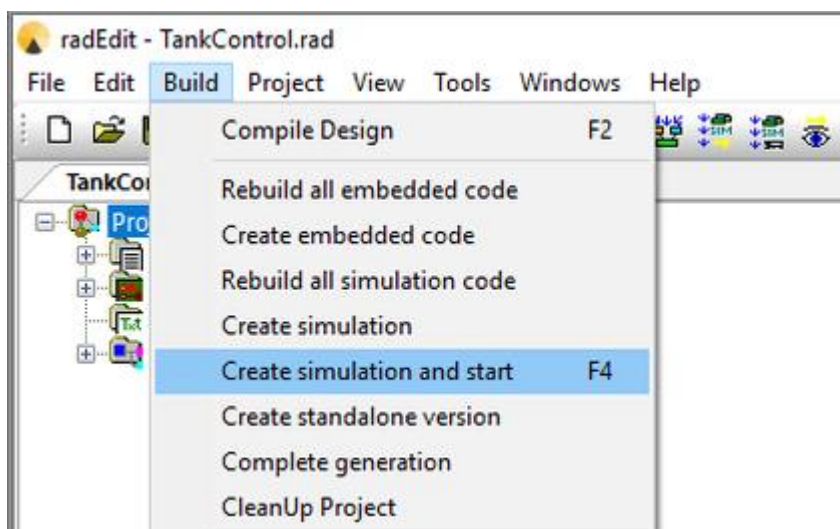




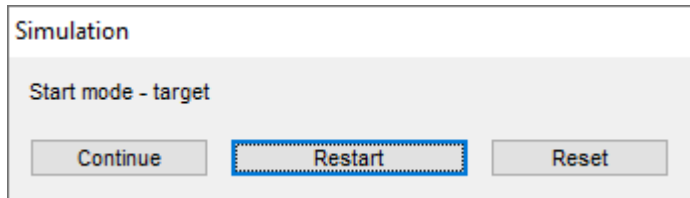
3. Switch the radCASE-library if required: If the following dialog shows up, choose “Ja”/”Yes”. radEDIT will close. Start radCASE again and open the sample project “Tank Control Sample” again.



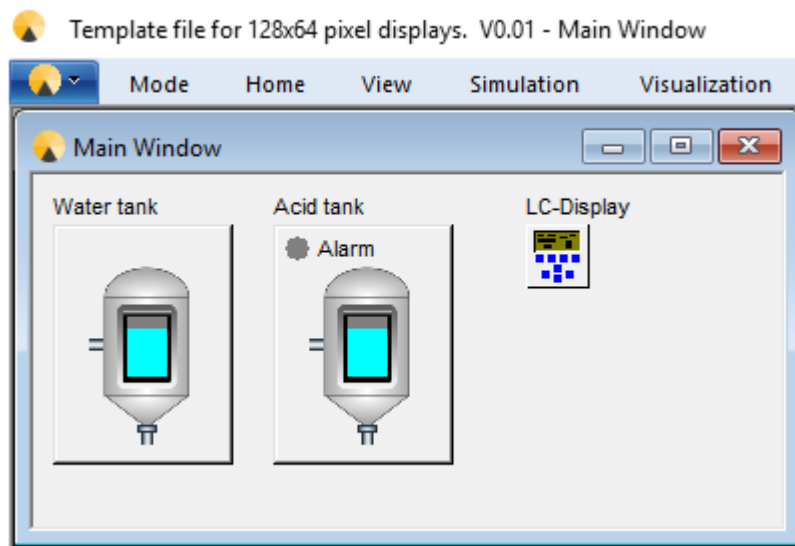
4. Build the sample project and start the simulation:
  - a. Press F4 – OR –
  - b. In the radEDIT menu, choose Build – Create simulation and start



5. Wait, then Confirm the start mode:
  - a. Click Restart or just press Enter



6. The simulation will start and you should see the following:



If everything worked so far, the radCASE & Visual Studio setup works ok.

Continue with the next step in chapter [Overview](#).

## 6 Getting Started

### 6.1 First Steps

This chapter lists recommended steps for first-time users to get started with radCASE. Depending on your preferences you can choose different ways:

- If you want a **quick introduction** to the basic principles of radCASE:

Use the [Tutorial](#) and follow it until and including “Lesson I02: The process”. This will show you a very simple sample application created in radCASE and explain it when running in the simulation mode.

- If you want to get **hands on** and create a radCASE application yourself:

Follow the [Tutorial](#) and work yourself through Lesson by Lesson.

This will introduce you to the most important features and language constructs of radCASE and will enable you to write your own software applications.

- If you want to get a **profound background** on the radCASE philosophy, principles and design methodology:

Read the [Guidelines Manual](#).

This will help you to create state-of-the-art radCASE models.

Follow the [Quickstart Guide](#) to see the whole workflow starting with a ready-to-use sample project down to having it running on the target, monitoring the target as well as automatically creating your software documentation.

### 6.2 Further Information

You can find further comprehensive information on the following topics in the respective manuals:

- Editing a radCASE design:

Refer to the [IDE-CC Manual](#) on how to model the different aspects of your software.

- Simulating & monitoring (debugging) of a radCASE model:

Refer to the [Monitoring Manual](#) to find out about the comprehensive monitoring features.

- Looking up everything about the radCASE modelling language

Refer to the [Reference Manual](#) to get an overview as well as a complete description of the entire radCASE modelling language.

For more information on the available documentation see chapter [Documentation Overview](#).

## 7 Documentation Overview

This chapter provides an overview of the available radCASE documentation.

Please open the installed documentation as shown in chapter [Finding Resources \(Documentation & Samples\)](#).

### 7.1 Getting Started (this document)

This Getting Started document helps you get started with radCASE. It also provides an overview of the available radCASE documentation and the provided sample projects.

**Goal** You know how to get radCASE up and running, get familiar with radCASE and where to find further information and resources.

### 7.2 Installation Manual

The [Installation Manual](#) provides the information for setting up the radCASE environment on your computer. This includes the configuration of radCASE and installation of required third-party software. It also explains how to license radCASE.

**Goal** radCASE is ready for use on your computer.

### 7.3 Tutorial

The [Tutorial](#) will enable you to start modelling software with radCASE on your own. It walks you lesson by lesson through a very simple sample application. The lessons introduce you to the most important radCASE features and language elements.

**Goal** You will be able to model your own software applications using radCASE.

### 7.4 Quickstart Guide

The [Quickstart Guide](#) familiarizes you with the different development steps using a provided sample project.

**Goal** You know the workflow from opening a project to having it running on the target.

## 7.5 Guidelines Manual

The [Guidelines Manual](#) provides deep insight into the concepts of radCASE design methodologies and best practices.

Goal You are able to create state-of-the-art radCASE models.

## 7.6 IDE-CC Manual

The [IDE-CC Manual](#) describes radEDIT-CC which combines the radCASE model editor and the radCASE-IDE. The manual describes how to use the graphic editor to create and edit your model. It also shows how to use the IDE to generate and start the target application and the monitoring software (simulation and visualization) and to generate application documentation.

Goal You know how to edit your model and generate your software application.

## 7.7 Monitoring Manual

The [Monitoring Manual](#) describes the usage of the PC Offline Simulation and the PC Online Visualization. The Simulation allows the execution of the generated application on the PC, independent of the target hardware. The Visualization is used to interact with the application running on the target hardware. Both can be used for design level debugging of your application.

Goal You know how use the simulation and visualization of your application.

## 7.8 Reference Manual

The [Reference Manual](#) provides a *short* overview of all radCASE language items (RC-Items) as well as in-depth explanation and *complete* syntax information of the features. In addition, it contains a “Best Practices” and a “Troubleshooting” section.

Goal You have an overview of *all* radCASE language items and are able to select and use the most suited solution for you modelling task.

## 7.9 Integration Manual

The [Integration Manual](#) covers the integration of a radCASE application (which is by itself platform-independent) onto a given hardware platform.

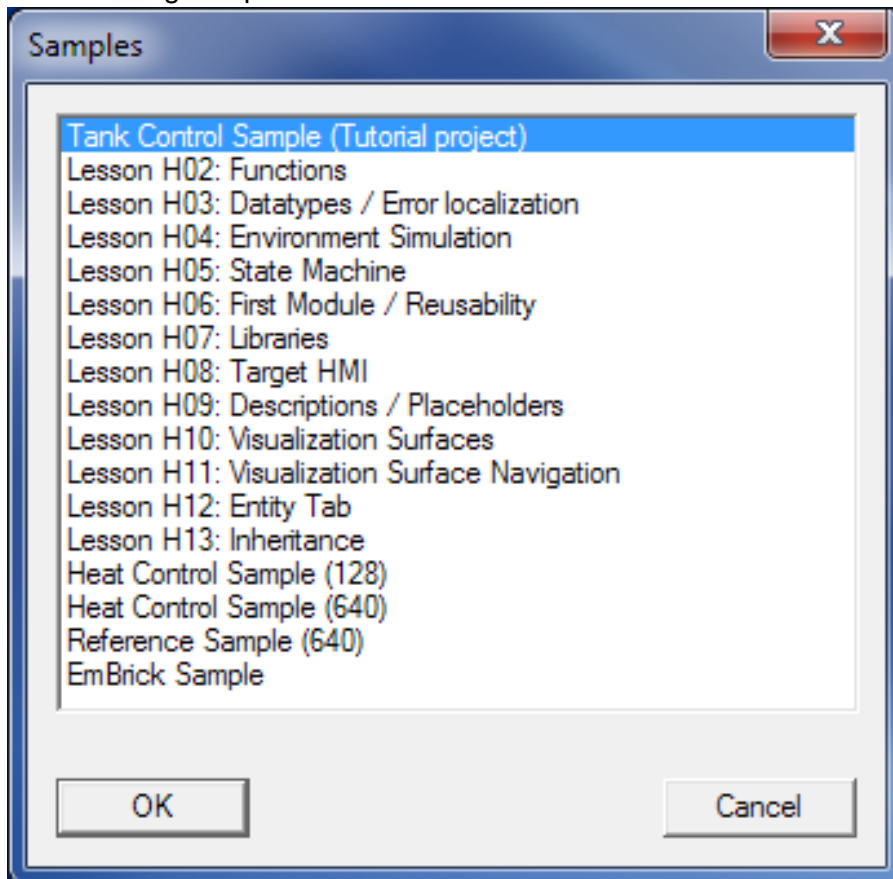
Goal You are able to write the hardware-specific software adaption layer and combine it with the generated radCASE application into executable software running on your specific target hardware.

## 8 Sample Projects Overview

This chapter gives information on the samples provided with radCASE.

Please open the samples as shown in chapter [Finding Resources \(Documentation & Samples\)](#).

The following samples are available:



The Lessons are explained in detail in the [Tutorial](#)



The Generation of the Embedded Code will not work for the Reference Sample (640).