SIMATIC

SIMATIC
Premium Studio

Readme

Table of contents

Readme

<div style="text-align: right; font-size: 3em;">1</div>

1.1 Premium Studio

Welcome to Premium Studio 2009

With the Premium Studio, you are up and running faster and ready to create or maintain your user projects!

Premium Studio reduces the administration and handling work for the software engineers, the commissioning engineers and the maintenance staff.

This file includes important information for installing and using Premium Studio. Therefore, it is best to read this information before you install and use the software.

Installation and operating information

This information has priority over statements made in other documentation. Read the information carefully as it includes information required to install and use Premium Studio.

1.2 Licensing

Licensing

With this data carrier you have not purchased licenses for the software products contained on it. Please make sure you order the respective licenses before you start to productively use the software products.

You can install some products for evaluation purposes and test them in trial mode. You are not permitted to use them productively with trial licenses.

In principle our general conditions for the use of software for automation and drive technology shall apply.

1.3 Scope of delivery

Content of the DVD and CD

The products are stored on four DVDs. You have to acquire the licenses for the individual products separately.

Note

The following applies to all products:

To optimize the time and space required to install the software, the Premium Studio DVD contains the main products without tools or examples. Tools and examples can be installed using the original data media of the relevant product.

The "SIMATIC PDM Device Library" CD contains the device descriptions for the SIMATIC PDM product.

Product	Version	MLFB
SIMATIC STEP 7 (Floating License)	V5.4 SP4	6ES7810-4CC08-0YA5
Engineering Tools		
SIMATIC S7-GRAPH (Floating License)	V5.3 SP6	6ES7811-0CC06-0YA5
SIMATIC S7-PDIAG (Single License)	V5.3 SP3	6ES7840-0CC04-0YA5
SIMATIC S7-HIGRAPH (Single License)	V5.3 SP1	6ES7811-3CC05-0YA5
SIMATIC S7-SCL (Floating License)	V5.3 SP5	6ES7811-1CC05-0YA5
SIMATIC S7-PLCSIM (Floating License)	V5.4 SP2	6ES7841-0CC05-0YA5
SIMATIC S7 Distributed Safety (Single License)	V5.4 SP4	6ES7833-1FC02-0YA5
SIMATIC S7 F Configuration Pack	V5.5 SP5	
SIMATIC D7 SYS	V7.1	6ES7852-0CC02-0YA5
SIMATIC CFC	V7.1	6ES7658-1EX17-2YA5
SIMATIC Version Trail	V7.1	6ES7658-1FX17-2YA5
SIMATIC Version Cross Manager	V7.1	6ES7658-1CX17-2YA5
SIMATIC Modular PID Control FB	V5.1	6ES7860-1AA10-0YX0
SIMATIC Modular PID Control Tool	V5.1	6ES7830-1AA10-0YX0
SIMATIC Standard PID Control FB	V5.2	6ES7860-2AA21-0YX0
SIMATIC Standard PID Control Tool	V5.2	6ES7830-2AA21-0YX0
SIMATIC PID Self Tuner	V5.1	6ES7860-4AA01-0YX0
SIMATIC Teleservice Software	7/2008	6ES7842-0CE00-0YE0
SIMATIC WinAC RTX	2008 SP1	6ES7 671-0RC06-0YA0
S7-Technology (T-Config)	V4.1 SP1	6ES7864-1CC41-0YX0
SIMATIC Logon	V1.4 SP1	6ES7658-7BX41-2YA0
SIMATIC PDM	V6.0 SP5	6ES7658-3KX06-0YA5

Product	Version	MLFB
Component Based Automation		
SIMATIC iMap	V3.0 SP1	6ES7820-0CC04-0YA5
SIMATIC NET Communication Software		
SIMATIC NET PC Products	2008	See note
SINEMA E Lean	2006 SP3	6GK1781-0AA00-6AA0
SIMATIC HMI Software		
SIMATIC WinCC	V7.0 SP1	See note
SIMATIC WinCC/Web Navigator	V7.0 SP1	See note
SIMATIC WinCC/DataMonitor	V7.0 SP1	See note
SIMATIC WinCC/ConnectivityPack	V7.0 SP1	See note
SIMATIC WinCC/ProAgent	V7.0 SP1	6AV6371-1DG07-0AX0
SIMATIC WinCC *flexible*	2008 SP1	See note
SIMATIC Maintenance Station	2009	See note
SINUMERIK HMI Software		
SIMATIC STEP 7 for SINUMERIK Hardware	V5.4 SP4	6FC5252-5AY01-4AG0
SINUMERIK Toolbox 810D/840D Add-on for STEP 7	V5.4.4.4	Does not have its own MLFB
TRANSLINE 2000 HMI Pro RT	V7.2.0.5	6FC5263-0PY50-0AG0
TRANSLINE 2000 HMI Pro CS	V7.2.0.5	6FC5263-0PY80-0AG0
HMI Advanced	V7.3 SP3	6FC5253-7BX10-3AG0
SINUMERIK HMI for WinCC *flexible*	2008	6FC5253-1CX25-3AG0
SIMOTION Scout	V4.1 SP2	6AU1810-1BA41-0XA0
Drives		
Drive ES Basic	V5.4 SP3	6SW1700-5JA00-4AA0
A&D Data Management		
A&D Data Management Agent (single license)	V1.2	6BQ3030-1AA00-1AB0
A&D Data Management Client (Single License)	V6.1	6BQ3030-1AA20-1AC0
Sensors & Communication		
SIMATIC RFID Systems (RF170C)	V1.3.3	6GT2080-2AA10
SIMATIC RF MANAGER	2008	See note
SIRIUS Tools		
Sirius Motor Starter ES	2007 SP1	See note
Sirius Soft Starter ES	2007 SP1	See note
Sirius SIMOCODE ES	2007 SP1	See note
SIRIUS Modular Safety System ES	2008	3ZS1314-5CC10-0YA5

Note

You will find ordering data and further information on the Internet at the following address:

- http://mall.ad.siemens.com (http://mall.ad.siemens.com)
- http://support.automation.siemens.com
  (http://support.automation.siemens.com/WW/view/de/36152464)

You also receive the following products in the "STEP 7 Professional" bundle:

- STEP 7
- S7-SCL
- S7-GRAPH
- S7-PLCSIM

Product upgrades can be operated with the available licenses.

1.4 Hardware requirements

Prerequisites

To be able to work with the software provided on these DVDs you require one of the two hardware platforms:

- **Programming device or PC**
  The hardware requirements of the individual products vary and can also differ depending on the operating system. Make sure that you read the product information in the readme of the products your are installing.
  For a full installation, we recommend a programming device or a PC with at least a Pentium IV or comparable processor operating at 1.6 GHz and with at least 1 GB RAM. Complete installation of all included software packages requires about 8 GB of memory on your hard disk.

- **PCU50.3.**
  The installed software will require about 4 GB of memory on your hard disk.

Premium Studio includes software packages for a variety of target systems. There is a difference between **PG/PC** (programming device/PC) and the target system **PCU50.3** (target system of the SINUMERIK HMI Runtime software). Premium Studio Setup automatically detects the target system and its operating system, and offers only certain products for installation based on the result. See the following table to see how software is assigned to hardware and operating system.

Product	PG/PC Windows XP	PG/PC Windows Vista	PCU50.3
SIMATIC STEP 7 V5.4 SP4	X	X	---
SIMATIC STEP 7 f. SINUMERIK Hardware V5.4 SP4	---	---	X
SIMATIC S7-GRAPH V5.3 SP6	X	X	X
SIMATIC S7-PDIAG V5.3 SP3	X	X	X
SIMATIC S7-HIGRAPH V5.3 SP1	X	---	X
SIMATIC S7-SCL V5.3 SP5	X	X	X
SIMATIC S7-PLCSIM V5.4 SP2	X	X	X
SIMATIC S7 Distributed Safety Programming V5.4 SP4	X	X	---
SIMATIC S7 F Configuration Pack V5.5 SP5	X	X	X
SIMATIC D7-SYS V7.1	X	---	---
SIMATIC CFC V7.1	X	---	X
SIMATIC Version Cross Manager V7.1	X	---	---
SIMATIC VersionTrail V7.1	X	---	---
SIMATIC Logon V1.4 SP1	X	X	---
SINUMERIK Toolbox 810D/840D Add-on for STEP 7 V5.4.4.4	X	---	---
SIMATIC iMap V3.0 SP1	X	X	---
SIMATIC iMap STEP 7 Add-on V3.0 SP4	X	X	---
SIMATIC Standard PID Control Config. SW V5.2	X	X	---
SIMATIC Standard PID Control FB V5.2	X	X	---
SIMATIC Modular PID Control Config. SW V5.1	X	X	---
SIMATIC Modular PID Control FB V5.1	X	X	---

1.4 4BHardware requirements

Product	PG/PC Windows XP	PG/PC Windows Vista	PCU50.3
SIMATIC PID Self Tuner V5.1	X	X	---
SIMATIC Maintenance Station 2009	X	---	---
WinAC RTX 2008 SP1	X	---	---
SIMATIC Teleservice 7/2008	X	X	---
SIMATIC WinCC V7.0 SP1	X	---	---
SIMATIC WinCC ProAgent V7.0 SP1	X	---	---
SIMATIC WinCC Web-Navigator V7.0 SP1	X	---	---
SIMATIC WinCC Dat@Monitor V7.0 SP1	X	---	---
SIMATIC WinCC Connectivity Pack V7.0 SP1	X	---	---
WinCC flexible 2008 SP1incl. ProAgent (Engineering)	X	X	---
WinCC flexible 2008 SP1 incl. ProAgent (Runtime)	X	X	X
SIMATIC NET PC-Products 2008	X	X	X
SINEMA E 2006 SP3	X	X	---
A&D Data Management Agent V1.2	---	---	X
A&D Data Management Client V6.1	X	---	X
Drive ES Basic V5.4 SP3	X	---	X
SINUMERIK HMI configuring package WinCC flexible 2008 (Engineering)	X	---	---
SINUMERIK HMI configuring package WinCC flexible 2008 (Runtime)	X	---	X
HMI Advanced V7.3 SP3	---	---	X
TRANSLINE 2000 HMI Pro CS V07.02.00.05	X	---	X
TRANSLINE 2000 HMI Pro RT V07.02.00.05	---	---	X
SIMATIC PDM V6.0 SP5	X	---	---
SIMOTION Scout V4.1. SP2	X	---	---
SIMATIC S7 Technology (T-Config) V4.1 SP1	X	---	---
SIMATIC RFID Systems V1.3 SP3	X	---	---
SIMATIC RF-MANAGER 2008	X	---	---
SIRIUS Motor Starter ES 2007 SP1	X	---	---
SIRIUS Soft Starter ES 2007 SP1	X	---	---
SIRIUS SIMOCODE ES 2007 SP1	X	---	---
SIRIUS Modular Safety System ES 2008	X	---	---
Automation License Manager V4.0 SP2	X	X	X
Adobe Reader V8.1.2	X	X	---

1.5 Software Requirements

Operating systems

Premium Studio and the products it contains require one of the following Microsoft operating systems:

- Microsoft Windows XP Professional Service Pack 2
- Microsoft Windows Vista Business
- Microsoft Windows Vista Ultimate

If you are using Windows XP Professional Service Pack 2 and have enabled the firewall, please note the instructions in the Product Information documents of the products you require.

Windows XP Professional Service Pack 2 onwards supports data execution prevention. If you selected the "Data execution prevention for all programs and services" option, "msiexec.exe" must be included in the exceptions list if you want to install with Microsoft Windows Installer.

Microsoft .Net Framework

Before installing RF Manager 2008, make sure that one of the following scenarios applies:

- Microsoft .Net Framework is not installed
- Microsoft .Net Framework 1.1 is already installed

If you install different versions of Microsoft .Net Framework, make sure that you keep to the following order:

- .Net Framework 1.1
- .Net Framework 2.0
- .Net Framework 3.0

WinCC Data Monitor Workbook and Workbook Wizard

Before you install one of the products, first check whether Microsoft Excel 2003 SP3 or Microsoft Excel 2007 is installed.

1.6   Installation

Notes on installation

An extended test scenario ensures the compatibility and interoperability of the product version contained on the Premium Studio.

No upgrade of the individual products via the Setup of the Premium Studio is therefore planned. Accordingly, all already installed software packages will be upgraded to the supplied level by the Premium Studio Setup.

SETUP starts automatically after you insert the Premium Studio DVD 1/4. Alternatively you can launch setup by double-clicking on the SETUP.EXE program in the main folder on the DVD. After SETUP starts, you can select the software packages you want to install. After installation has started the setup runs through the installation without any further interaction.

If you want to install Premium Studio 2009 from a local drive, be sure to use the following directories when copying the DVDs:

- For DVD 1: <Drive letter>\<folder>\CD_1\
- For DVD 2: <Drive letter>\<folder>\CD_2\
- For DVD 3: <Drive letter>\<folder>\CD_3\
- For DVD 4: <Drive letter>\<folder>\CD_4\

You should never link installation drives via scripts. Use instead the "Reconnect at logon" option.

If the installation is not automatically resumed after your system reboots, start setup again by double-clicking on the SETUP.EXE program in the main directory of the DVD 1.

Note

The firewall should be disabled during installation.

The Premium Studio setup automatically creates a file in which the necessary licenses are listed (path: <systemroot>\AuthorizationList.txt). A dialog will open at the end of the installation process so that you can save the file in any directory. The depth of the path from which the Premium Studio installation including the product setups can be executed is limited. For example, the path U:\PS2009\CD_1\SETUP.EXE, where U: represents the DVD or network drive, while U:\<long path>\SETUP.EXE can cause the installation to abort if <long path> exceeds the 40 character limit.

Before starting the installation, check once again that the selected products are complete.

Installation under Windows Vista

A message may appear during the installation under Windows Vista, asking if you want to install the driver software. You need to agree to the installation to ensure correct operation of the product. If you want to suppress the repeated display of this message, select the "always trust the software from SIEMENS AG" check box in this dialog window.

Calculating the required memory space

The setup for Premium Studio 2009 calculates the space the selected products will need on your target system. The actual required memory space however is dependent upon numerous factors, so the figure given should only be seen as an approximate one. The calculated data applies to a new installation, if updating or upgrading existing installations, the actual required memory space could be significantly less than calculated.

Logging

Premium Studio 2009 enables you to log the number of products that are to be installed (RECORD function). If you select this function in one of the initial setup dialogs, setup generates the "ra_auto.ini" file in the final installation dialog. A dialog opens at the start of the installation allowing you to save this file in any directory – the installation itself is not performed during this recording. With the Premium Studio setup and the recorded file, you then have the option of installing this exact configuration on as many other computers as you like.

Launch the Premium Studio setup with a call parameter

If you now wish to carry out the recorded installation, copy the "ra_auto.ini" log file without changing the name to the same folder as that of the "Setup.exe" start file for Premium Studio 2009. This can be done on a local drive or a network drive. Now, every time you start the setup.exe file on this drive, the recorded installation will always be executed automatically.

The installation setup of Premium Studio can also be launched with a call parameter:

<DVD drive>\SETUP.EXE /silent=<path and name of the recorded file>
<path and name of the recorded file> is the full path, for example:

D:\PremiumStudio2009\RA_AUTO.INI

Only RA_AUTO.INI is permitted as the name for the log file.

Examples:

* D:\ PremiumStudio2009\SETUP.EXE
* D:\ PremiumStudio2009\SETUP.EXE /silent=C:\windows\RA_AUTO.INI

Setup dialogs of individual products

If you install individual products using Premium Studio setup, you may need to enter information in the product setup dialogs. This also applies if you use a recorded file for the installation.

STEP 7 and WinCC sequence

If you want to work with both products on one computer, you will first have to install STEP 7 and then WinCC. If WinCC is already installed on your system, you will first need to remove it and then install STEP 7 followed by WinCC.

Before you remove WinCC, be sure to read the notes on installation/removal in the WinCC readme file.

Installation order for STEP 7 and WinCC *flexible*

If you want to work with both products on one computer, make sure that you install STEP 7 before installing WinCC *flexible*. If WinCC *flexible* is already installed on your system, you will first need to remove it and then install STEP 7 followed by WinCC *flexible*.

Before you remove WinCC *flexible*, make sure you read the notes on installation/removal in the WinCC flexible readme file.

Retro installation of Premium Studio 2009

Product setup dialogs may open when you install Premium Studio 2009 to replace existing products. These dialogs may interfere with the Silent capability of the installation.

STEP 7 OEM version

If you select "STEP 7" during installation of Premium Studio, you may see a message informing you that a STEP 7 OEM version has already been installed. A STEP 7 OEM version may have been installed by Drive ES for example. You will have to uninstall the product that installed this OEM version to remove it.

You will then have to first install "STEP 7" and then the product that had originally installed the OEM version.

SIMOTION Scout

If you want to install SIMOTION SCOUT 4.1.2.0, and an older version (earlier than 4.1.2.0) of this software is already installed on the computer, you will first need to uninstall this older version.

HMI Advanced

If you have installed the HMI Advanced product with an earlier version of Premium Studio, and want to install version 07.03.03.00 of this product, you must explicitly select the product from the relevant dialog.

WinCC flexible

If WinCC flexible 2005 is installed on your computer, make sure that you first run the "_LicSave.exe" program before you upgrade. You will find the program on DVD1 in "WinCCFlexibleFLEX2008+SP1\WinCCflexible\CleanupSupportTool".

If you do not do this, the license information on the PC may be lost.

WinAC RTX

During installation of WinAC RTX on a multiprocessor or hyperthreading PC, the following message may appear: "s7oiehsx.exe – Error in application".

This message has no influence on the installation. You can ignore it and click OK to continue.

During the removal and the upgrade a query will appear asking if you want to reboot your computer. To make sure that the upgrade is executed properly you must answer this question with "No".

WinCC Excel Workbook Wizard

If you installed the Excel Workbook Wizard during a previous installation of WinCC, you will need to remove this WinCC wizard using the Windows Control Panel before you upgrade.

WinCC ProAgent

The WinCC-ProAgent-Online generation (ProAgent generation while WinCC Runtime is running) of process error diagnosis messages is not currently permitted. If you nevertheless require the functionality, please contact your SIMATIC Support.

SIRIUS Engineering

If you upgrade the SIRIUS Engineering products, you may also need to select the relevant "Integration in STEP 7" for the installation.

SIMATIC Maintenance Station

You can select the "Engineering" and "Client" packages.

You get the "Server" option by installing SIMATIC Net.

Using Drive Control Charts (DCC) with SIMOTION Scout, Drive ES Starter and S7-Technology

To use DCC you must already have CFC V7.0 SP1 HF3.

Note

If you are using DCC, you must make sure that the following products are not installed:
- CFC V7.1
- Version Cross Manager V7.1
- SIMATIC Version Trail V7.1
- SIMATIC TIA Maintenance Station V2.0
- D7-SYS V7.1

If any of these products are installed, use the Windows Control Panel to remove them.

To install CFC V7.0 SP1 HF3, follow these steps:

- Insert the DVD 4/4.

- Start the installation of CFC V7.0 SP1 by selecting the Setup:
  CFC_V7.0 SP1 HF3\01_Basis_CFC_V7.0.1.0\Disk1\setup.exe

- Then reboot the PC.

- Start the installation of CFC V7.0 SP1 Hoftfix 3 by selecting the Setup:
  CFC_V7.0 SP1 HF3\02_HF3_CFC_V7.0.1.3\Disk1\setup.exe

- Then reboot the PC.

WinCC V7.0 SP1 - Patch 1

DVD 4/4 contains the Patch 1 to WinCC V7.0 SP1. For information on which corrections this patch contains and on how to install it, please refer to the document "WinCC V7.0 SP1 Patch1\ WinCCPatch.doc".

Language selection for Premium Studio Setup

If you do not install all the products at the same time, when you subsequently install products you must remember to select the same language for the setup process as for the initial installation. The setup language affects the default language of some products, which can lead to problems with these products when you upgrade.

1.7 Upgrade

Upgrading SIMATIC RF-MANAGER 2008

When you are upgrading from Premium Studio 2008 Second Edition to Premium Studio 2009, an error message of the SQL server may appear. Acknowlege this message and reboot the system.

1.8 Removing

Removing Premium Studio 2009 products

Premium Studio also allows you to uninstall the programs you installed using Premium Studio setup.

When you uninstall some products, dialogs from the product setup may appear. These dialogs may interfere with the Silent capability of the removal.

With some products, removing them in this way is not supported.

Removing WinCC flexible

Before you remove WinCC flexible, make sure you read the notes on installation/removal in the WinCC flexible readme file.

Uninstalling the SINUMERIK HMI configuration package WinCC flexible

If you installed the "SINUMERIK HMI configuration package for WinCC Flexible" on your computer and you uninstall this product or WinCC Flexible ES again, you will then need to uninstall the following products completely afterwards and reinstall them:

- SIMATIC NET
- WinCC including all optional packages

Removing SIMATIC D7-SYS

If you remove SIMATIC D7-SYS, some files are deleted that are required by Drive ES Starter. Therefore, also remove Drive ES Starter.

1.9 License keys and authorizations

Installing license keys and authorizations

Once the product has been installed, you can install the required license keys or authorizations via the authorization tool "Automation License Manager".

1.10   Documentation

Available documentation

The Release Notes and product documentation for the individual products are relevant.

You will find the documentation on DVD 4 in the "_Manuals" folder, or, after installation of the respective products, on your target system.

Index

A

Authorizations, 17

C

Call parameters, 13
CFC, 6, 9

D

D7 SYS, 6, 9
Data Management, 6, 9
Documentation, 18

H

Hardware requirements, 9
HMI Advanced, 6, 9

I

Installation, 12
Installation requirements, 9, 11

L

Licensing, 5

M

Maintenance Station, 6, 9, 15
Microsoft .Net Framework, 11
Microsoft SQL Server, 6, 9
Modular PID Control, 6, 9

P

PCU50.3, 9
PID Self Tuner, 6, 9

R

RF Manager, 6, 9
RFID Systems, 6, 9

S

S7 Distributed Safety, 6, 9
S7 Technology, 6, 9
S7-GRAPH, 6
S7-HiGraph, 6, 9
S7-PDIAG, 6, 9
S7-PLCSIM, 6, 9
S7-SCL, 6, 9
Scope of delivery, 6
Setup, 12
SIMATIC iMAP, 6, 9
SIMATIC Logon, 6, 9
SIMATIC NET, 6, 9
SIMATIC PDM, 6, 9
SIMOTION Scout, 6, 9
SINEMA E, 6, 9
SINUMERIK HARDWARE, 6, 9
SINUMERIK HMI for WinCC flexible, 6, 9, 17
SINUMERIK Toolbox 810D/840D, 6, 9
SIRIUS, 6, 9
Software Requirements, 11
Standard PID Control, 6, 9
STEP 7, 6, 9, 13, 14

T

Teleservice software, 6, 9
TRANSLINE 2000 HMI Pro, 6, 9

V

Version Cross Manager, 6, 9
Version Trail, 6, 9

W

WinAC RTX, 6, 9, 15
WinCC, 6, 9, 10, 13, 15
WinCC flexible, 6, 9, 14, 17
Windows Vista, 6, 9, 11, 12
Windows XP Professional, 9, 11