

# Concept Installation Instructions

840 USE 502 00 eng Version 2.6



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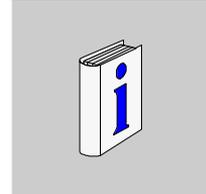
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## About the Book



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### At a Glance

**Document Scope** These installation instructions are intended to help you during the installation of Concept. They contain information about installation and the conversion of previously created projects.

**Validity Note** The documentation applies to Concept 2.6 for Microsoft Windows 98, Microsoft Windows 2000, Microsoft Windows XP and Microsoft Windows NT 4.x.

**Note:** Additional up-to-date tips can be found in the Concept README file.

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### Related Documents

Title of Documentation	Reference Number
Concept User Manual	840 USE 503 00
Concept IEC Block Library	840 USE 504 00
Concept EFB User Manual	840 USE 505 00
Concept LL984 Block Library	840 USE 506 00

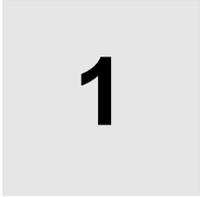
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# Requirements



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## Introduction

### Overview

This chapter describes the hardware and software requirements for installing Concept.

### What's in this Chapter?

This chapter contains the following topics:

Topic	Page
Package Contents	8
Requirements	10

## Package Contents

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### Contents of the Slipcase

In your Concept slipcase you will find the following CDs:

- Concept V2.6
  - Service Release
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### Concept CD

The Concept CD contains the installation files for Concept (see *Concept Installation*, p. 14).

**Note:** The MMFStart library can be found on our Internet site.

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**Service Release  
CD**

The Service Release CD contains the following directories and subdirectories:

Directory/ Subdirectory	Description
ADD_EXEC	This directory contains additional EXEC files (*.BIN) and the BESTPRAC file. The BESTPRAC file contains practical information to help improve configuration and startup.
ENGLISH/FRENCH/ GERMAN/SPANISH	These directories contain the installation files in the corresponding languages (on DISK1 ... DISKx), the EXECLoader (see <i>Installation of the EXECLoader and the Current EXECs</i> , p. 20), the current EXECs and the current loadables.  They also contain the following subdirectories: <ul style="list-style-type: none"> <li>● ACROBAT</li> <li>● ADD_HELP</li> <li>● ERRMSG.DSC</li> </ul>
ACROBAT	This subdirectory contains the installation file for Adobe Acrobat Reader 5.0. This software is required for reading PDF files. If you have no software installed on your PC for reading PDF files and you want to use the additional help files (in ADD_HELP), you can install Adobe Acrobat Reader by double-clicking on the SETUP.EXE file.
ADD_HELP	This subdirectory contains PDF files containing current information.
ERRMSG.DSC	This subdirectory contains further subdirectories, each of which contains the same file (in different file formats) with detailed notes about the most frequently displayed error messages.  The current version of these error messages can be found on our Internet site (address: see WHATSNEW file).
Possible Patch/ Update directories	These directories contain updates/patches, if available.
InfoSRx	Information and installation instructions for the service release ("x" is the number of the service release).

**Current notes**

When installing Concept, the following files with the current notes are installed:

- The following files are found in the Concept installation directory:
    - **Readme**  
Important general information about Concept
    - **Whatsnew**  
Import release specific information
    - **Upgrade**  
Information for the conversion of existing applications
- In subdirectory **Ca\_help**, you can find the following file:
- **Ca\_help**  
Description of the most important error messages in Concept, as well as the causes and tips to correct them (only available in English at present).
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**Requirements**

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**Hardware Requirements**

Concept has basically the same hardware requirements as Windows 98/2000/XP or Windows NT. The following list outlines the minimum requirements. With Concept, as with Windows, a faster processor or more free RAM memory increases the processing speed and therefore user comfort.

- PC with Intel Pentium CPU or better
- minimum 24 MB RAM or more
- minimum 150 MB free hard disk space
- CD ROM drive
- SA85/PCI85 module if no Modbus Plus connection is required
- TCP/IP network adapter if Ethernet is required
- VGA graphic adapter card and monitor (recommended resolution: > 800 x 600)
- Microsoft compatible mouse

<p><b>Note:</b> Additional information about the hardware requirements can be found in the Concept README file.</p>
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**Software Requirements**

Concept requires the following software:

- MS-DOS Version 6.0
- Windows 98/2000/XP or Windows NT 4
- If a Modbus Plus connection is required, Remote MBX Driver (on the "MBX Driver Suite ver4.20" CD) for Windows 95/98/2000 or NT Version 4.0X.
- If an Ethernet connection is required, Windows Winsock Library, Ethernet MBX Driver (on the "MBX Driver Suite ver4.20" CD) and Windows TCP/IP protocol software.

**Note:** If your graphics card has a hardware acceleration function, the **Use Polygon Acceleration** option must not be selected. If it is used, this can cause the online help program to display graphics in an incomplete form. A detailed description of how to stop the accelerator function can be found in your graphics card user manual.

**Note:** Only for Windows 2000 and Windows XP Users:

The Administrator function in Windows 2000 and Windows XP has changed compared to previous Windows versions (e.g. Windows 98, Windows NT 4.0x). For further information see the "Administrator" section in your Windows manual.

**Note:** Additional information about the software requirements can be found in the Concept README file.

## Requirements

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## Installing Concept



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### Introduction

#### Overview

This chapter describes how to install Concept.

#### What's in this Chapter?

This chapter contains the following topics:

Topic	Page
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## Concept Installation

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### Overview

There are two different procedures for installing Concept:

- Initial Installation
  - Update Installation and conversion of old applications.
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### Initial Installation

The initial installation involves the following main steps:

Step	Action
1	<i>Concept Installation, p. 19</i>
2	<i>Installation of the EXECLoader and the Current EXECs, p. 20</i>

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### Update Installation

The update installation involves the following main steps:

Step	Action
1	Export the application under Concept 2.0 or older (See <i>Exporting with Concept 2.0 or older, p. 15</i> ) or under Concept 2.1 or newer (See <i>Exporting with Concept 2.1 or higher, p. 16</i> ).
2	<i>Backing up files, p. 16</i>
3	<i>Converting user EFBs, p. 17</i>
4	<i>Converting user loadables, p. 17</i>
5	<i>Concept Installation, p. 19</i>
6	<i>Installation of the EXECLoader and the Current EXECs, p. 20</i>
7	<i>Importing Projects/DFBs/Macros into a new Version of Concept., p. 21</i>

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## Exporting projects/DFBs/macros from old Concept versions

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**Procedure**

Projects/DFBs/macros can only be transferred from an old Concept version after they have been exported using the **OLD** Concept Version.

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**Exporting with Concept 2.0 or older**

To export a project/DFB, do the following:

Step	Action
1	Start the Concept converter of the old Concept version.
2	Using <b>File</b> → <b>Export...</b> , open the menu to select the export range.
3	Select the desired export range: <ul style="list-style-type: none"> <li>● <b>Exporting Projects:</b> Select the .prj extension in the format list.</li> <li>● <b>Exporting DFBs:</b> Select the .dfb extension in the format list.</li> </ul> <p><b>Note:</b> Only DFBs which are not in use in a project need to be explicitly exported. DFBs in use are automatically exported into the export file (.asc) with the project.</p>
4	Select the project / DFB and confirm with <b>OK</b> . <p><b>Result:</b> The project / DFB is stored in the project directory as an ASCII file (.ASC).</p> Repeat this procedure for all old projects / DFBs.
5	Proceed to <i>Backing up files</i> , p. 16.

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**Exporting with Concept 2.1 or higher**

To export a project/DFB, do the following:

Step	Action
1	Start the Concept converter.
2	Using <b>File</b> → <b>Export...</b> , open the menu to select the export range.
3	Select the desired export range: <ul style="list-style-type: none"> <li>● <b>Project with DFBs in use:</b> All project information including the DFBs and data structures (derived data types) used is exported.</li> <li>● <b>Project with all DFBs + macros:</b> All the project information including all DFBs, macros and data structures (derived data types) is exported.</li> <li>● <b>Project without DFBs:</b> All the project information including all data structures (derived data types), but without DFBs and macros, is exported.</li> <li>● <b>Individual DFB with DFBs in use / individual macro:</b> Only the selected DFB/macro is exported.</li> </ul>
4	The dialog box for selecting the file to be exported opens.
5	<ul style="list-style-type: none"> <li>● Exporting projects: Select the .prj extension in the format list.</li> <li>● Exporting DFBs: Select the .dfb extension in the format list.</li> <li>● Exporting macros: Select the .mac extension in the format list.</li> </ul>
6	Select the project / DFB / macro and confirm with <b>OK</b> . <b>Result:</b> The project / DFB / macro / data structures (derived data types) are stored in the project directory as an ASCII file (.ASC). Repeat this procedure for all old projects / DFBs / macros.
7	Proceed to <i>Backing up files</i> , p. 16.

**Backing up files**

To back up the exported files:

Step	Action
1	Copy all ASC files generated in this way into one or more new project directories. These directories must not be located inside the old Concept installation directory.
2	Create backup copies of the ASC files in case the import is unsuccessful.
3	Exit the Concept converter using <b>File</b> → <b>Exit</b> .
4	Now reboot your computer.
5	Proceed to <i>Converting user EFBs</i> , p. 17.

**Converting user EFBs**

If user EFBs (EFBs generated with the Concept EFB) are used in your project, they must be converted using the Concept EFB matching the **NEW** Concept Version (**File** → **Concept Library...**). The Concept converter cannot convert user defined EFBs.

Proceed to *Converting user loadables*, p. 17.

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**Converting user loadables**

If user loadables are used, copy them from the CONCEPT/DAT directory of your old Concept version into a directory located outside the Concept installation directory.

Proceed to *Concept Installation*, p. 19.

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## Installing/Uninstalling a (New) Version of Concept

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### Caution

If you want to continue using projects, DFBs or macros from an old version of Concept, only install the new version of Concept once you have carried out the procedures in the *Exporting projects/DFBs/macros from old Concept versions*, p. 15 section.

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### Modifying System Files

During installation files are saved on your hard disk. The installation does not modify the AUTOEXEC.BAT, CONFIG.SYS or other startup files. The configuration file CONCEPT.INI and other files are added to the Windows directory.

**Note:** The configuration file MODICON.INI is added to the Windows directory if the Adapter SA85/PC185 is installed.

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### Installation from Disk

Concept is only delivered on CD-ROM. If your PC does not have a CD-ROM drive, you can copy the subdirectories in your language version onto disk. In this case, the setup file is to be found on disk 1.

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**Concept  
Installation**

To install a project, perform the following steps:

Step	Action
1	Place the Concept CD-ROM in your CD-ROM drive.
2	If the AUTORUN function is activated, the installation starts automatically. If the AUTORUN function is deactivated, select the command <b>Start</b> → <b>Run</b> . In the command line, enter <code>[Drive:]\install</code> and confirm with <b>OK</b> .
3	Select the desired language.
4	Follow the instructions on your screen. <b>Note:</b> Do not install the new version of Concept over an already existing version of Concept. Always create a new installation directory or uninstall the old installation first. Also note that the path name of the installation directory may only be a maximum of 12 characters long (e.g. <code>c:\concept26</code> ). <b>Response:</b> Concept is installed and the folder <b>Concept V2.6XL/M/S DE/EN/FR/SP</b> is added to the start menu. <b>Note:</b> Only one Concept application can be active at any one time. If you have installed different versions of Concept on your PC, perform a warm restart before changing between versions.
5	Continue with <i>Installation of the EXECLoader and the Current EXECs</i> , p. 20.

**Note concerning  
the AUTORUN  
function**

The AUTORUN function is controlled by the operating system on your computer and can be configured in Control Panel.

**Uninstalling  
Concept**

Uninstalling Concept is different in the individual operating systems:

Operating system	Uninstall path
Windows 98 Windows NT	<b>Control Panel</b> → <b>Software</b> → <b>Install/Uninstall</b>
Windows 2000 Windows XP	<b>Control Panel</b> → <b>Software</b> → <b>Add/Remove Programs</b>

**Installation of the EXECLoader and the Current EXECs**

To install the EXECLoader and the current EXECs, perform the following steps:

Step	Action
1	Place the Concept Service Release CD-ROM in your CD-ROM drive.
2	If the AUTORUN function is activated (see <i>Note concerning the AUTORUN function, p. 19</i> ), the installation starts automatically.  If the AUTORUN function is deactivated, select the command <b>Start</b> → <b>Run</b> . In the command line, enter [Drive:] \install and confirm with <b>OK</b> .
3	Select the desired language.
4	In the following window, select the <b>Install Service Release</b> command.
5	Follow the instructions on your screen.  <b>Response:</b> The EXECLoader and the current version of the EXECs are installed.
6	Now perform a warm restart of the PC.
7	If you have performed an initial installation, please also refer to the Initial Installation when Using Modbus and Initial Installation when Using Modbus Plus chapters in the appendix of the Concept User Manual.  If you have performed an update installation, continue with <i>Importing Projects/DFBs/Macros into a new Version of Concept., p. 21</i> .

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## Importing Projects/DFBs/Macros into a new Version of Concept

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### Import

To import a project/DFB/macro, perform the following steps:

Step	Action
1	Start the Concept Converter corresponding to the new version of Concept.
2	Copy the backup ASCII file(s) into the new project directory or directories.
3	Using the <b>File</b> → <b>Import...</b> command, open the dialog used to select the projects/DFBs to be imported.
4	Select the project/DFB/macro (.ASC files in the new project directory) and confirm this with <b>OK</b> .  <b>Note:</b> It is only necessary to explicitly import those DFBs which are not used in a project. Used DFBs are automatically included in the project export file (.asc).  <b>Response:</b> The project/DFB/macro is stored as a Concept file in the current directory.
5	Quit the Concept Converter using the <b>File</b> → <b>Quit</b> command.
6	Perform a warm restart of the PC.
7	Start Concept/Concept DFB and edit the project/DFBs/macros/data structures as normal.  <b>Note:</b> It is sometimes necessary to replace an EFB used in an earlier version with a new one. Information about this and other topics can be found in the README file.  See also the Initial Startup using Modbus and Initial Startup using Modbus Plus chapters in the appendix of the Concept User Manual.

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## Displaying Concept Manuals

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### General Information

To display the Concept handbooks (PDF format), you require Adobe Acrobat Reader. This program can be installed on your PC from the Service Release CD or started directly from the CD.

The handbooks are available in PDF format on the Service Release CD and can be read directly from the CD or printed if required.

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### Installing Adobe Acrobat Reader

To install Adobe Acrobat Reader on your PC, perform the following steps:

Step	Action
1	Start the Concept Service Release CD (See steps 1-5 in the <i>Installation of the EXECLoader and the Current EXECs, p. 20</i> section).
2	Select the <b>Install Acrobat Reader</b> command.
3	Follow the instructions on your screen. <b>Response:</b> Adobe Acrobat Reader is installed.
4	Now perform a warm restart of the PC.

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### Displaying Concept Manuals

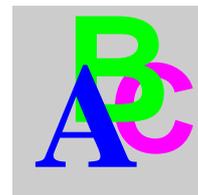
To display the supplied Concept handbooks in PDF format, Acrobat Reader can be started directly from the CD. To do this, perform the following steps:

Step	Action
1	Start the Concept Service Release CD (See steps 1-5 in the <i>Installation of the EXECLoader and the Current EXECs, p. 20</i> section).
2	Select the <b>Displaying Concept Manuals</b> section. <b>Response:</b> An Acrobat window for selecting the language is displayed.
3	Select the desired language. <b>Response:</b> Acrobat Reader is started and an overview window with a link list of all available handbooks is opened.
4	Select a handbook. <b>Response:</b> The corresponding PDF file is opened.
5	You can return to the overview page in Acrobat Reader using: <ul style="list-style-type: none"> <li>● <b>Document</b> → <b>Previous (Doc)</b></li> <li>● <b>Ctrl+Shift+&lt;</b></li> </ul>

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