



## Product Code Generator

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# 1 About This Manual

## Write conventions in the manual

“Choose <Tools → Language> ...” means: Activate the Language menu point in the Tools menu.

User instructions are marked by an arrow ►.

All other sections simply provide information and do not require a particular action.



Text marked like this draws your attention to particular tips on the subject.

## Target group

A knowledge of the basic Sucosoft programming principles and use of the Library Manager is required. The following manuals are available for this:

Sucosoft S40 Training Guide:  
AWB27-1307-GB

Sucosoft S40 User Interface:  
AWB2700-1305-GB

Language Elements for PS4-150/-200/-300 and PS416:  
AWB2700-1306-GB

Sucosoft S40 Library Manager:  
AWB-C2700-1366 GB (Online manual).

## 2 Product Code Generator

### Overview

The Product Code Generator enables you to produce a 14-digit product code. This code can be used to protect an S40 library – in the following known as user library – from unauthorized access.

You can give the product code to your customer together with the user library and enter it in your internal customer file. At the same time you can identify the user library in such a way that a later import in a customer project is only possible once the specific product code has been entered. The Check Product Code option in the S40 Library Manager is used for this purpose.

To protect a user library the following software versions are required:

- Sucosoft S40 from Version 4.1

- S40 Library Manager from Version 1.1

- Product Code Generator from Version 1.0

## Installing and starting

The Product Code Generator is installed in the same way as Sucosoft S40 via the Installation Wizard. Once installed, the Product Code Generator will appear as an additional Sucosoft tool in the toolbar of the Sucosoft S40 Navigator.

- ▶ Start the Product Code Generator via the icon in the toolbar



Product Code Generator

or via the menu ‹Tools → Product Code Generator›.

## Operating elements

Starting the Product Code Generator will open the following dialog.

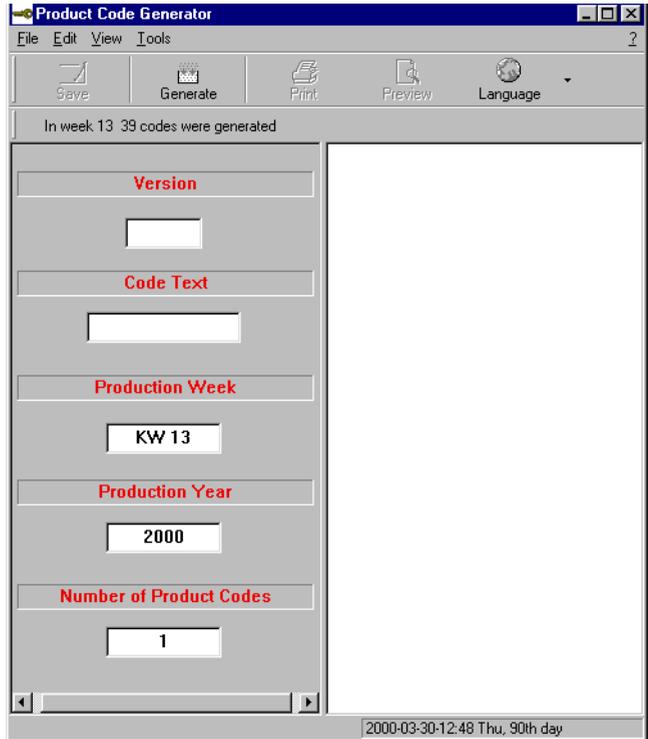


Figure 1: Product Code Generator dialog window

## Menu bar and toolbar

The menu bar and the buttons of the toolbar are displayed above the text fields:



Figure 2: Product Code Generator toolbar

The line below shows how many product codes (licenses) have been issued for a user library during the current production week.

Use the menu bar to choose commands provided for working with the Product Code Generator. In addition to the standard menus File, Edit and View, there is also the Tools menu for selecting one of the five dialog languages available.

The toolbar enables fast access to frequently used commands in the Product Code Generator. The toolbar can be activated and deactivated via the menu point `<View → Toolbar>`.

## Text fields

The left-hand part of the window contains five text fields for elements that make up the product code:

The entries in the fields **Production week and – Production year** are taken automatically from the PC system time.

Use the text field **Number of Product Codes** to specify how many product codes should be generated for the current user module. The maximum number of product codes possible for one week is 1000 per week.

The entry in the text field **Version** must correspond to the entry in the identical field in the Library Properties window of the Library Manager. Up to three numbers with two decimal places can be used.

The entry in the text field **Code Text** must also correspond to the identical text field in the License text and product code window of the Library Manager. The text to be entered here has the function of a password and should be selected as randomly as possible with no reference to the library author. The text must be between four and 32 characters long. A text that has been entered once in the text field will appear again in the text field when the Product Code Generator is opened once more. This field is case sensitive.

### **Status line**

The program's status line at the bottom of the Product Code Generator window shows the current weekday, date, time and day of the year.

The status can be activated and deactivated via the menu point `<View → Status Line>`.

### **Keyboard operation**

Frequently used commands of the Product Code Generator can also be activated via hot keys.

Use `Ctrl+P` to start a printout and `Ctrl+S` to save the product codes.

Pressing the underlined letter of a menu in combination with the `ALT` key will open this menu, making all assigned menu points available.

For example, press `Alt + E` to open the Edit menu.

## Functions

### **Generate**

Generate the required number of product codes with the specified version number and code text.

### **Save**

Save the product code generated, for example, for product management. If you wish to start a new generation run without saving previously generated product codes you will be asked if you wish to save the previous product codes.



If you have generated the product codes and exit the Product Code Generator without saving the generated file, a prompt will also ask whether you wish to save it.

Answering with OK will save the file under the name KEYGEN.TXT in the same directory in which the Product Code Generator is installed.

### **Print**

Print out the generated product codes.

### **Printer setup**

Select the printer and paper format setting in the standard Windows dialog.

### **Preview**

The generated product codes are displayed in the same way as they will be printed out.

### **Language**

Select one of the five available dialog languages: German, English, French, Italian or Spanish.

## Creating a product code

- ▶ Make appropriate entries in the open text fields (See section “Text fields” on page 7).
- ▶ Click the Generate button or icon



Generate

The right-hand half of the window will show the product code(s) generated.

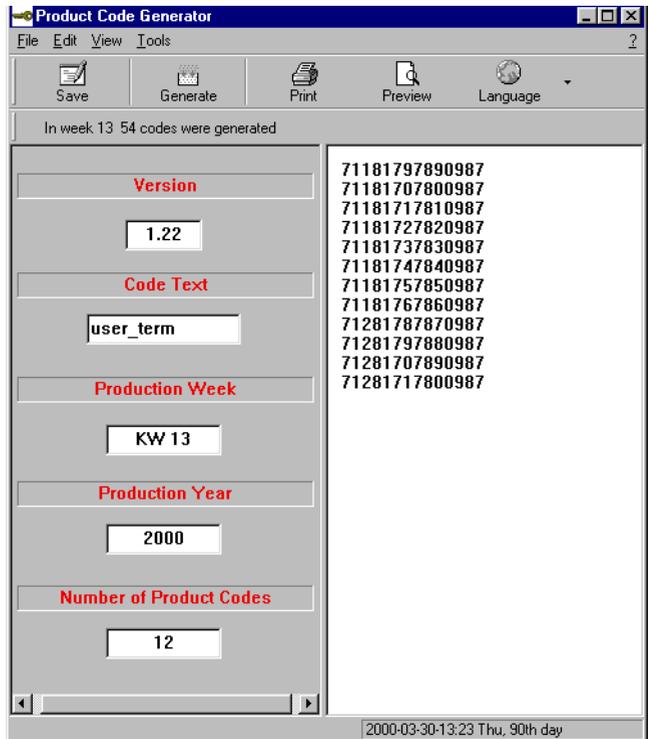
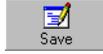


Figure 3: Generated product codes

## Creating a product code

- ▶ Save the generated product codes as a text file under any suitable name.



Save

### 3 S40 Library Manager

You can protect a user library with a product code by selecting the appropriate option in the S40 Library Manager.

#### Protecting the user library with a product code

Requirement: Your user library is open.

► Click <Library → Properties...>.

This will open the Library Properties dialog window.

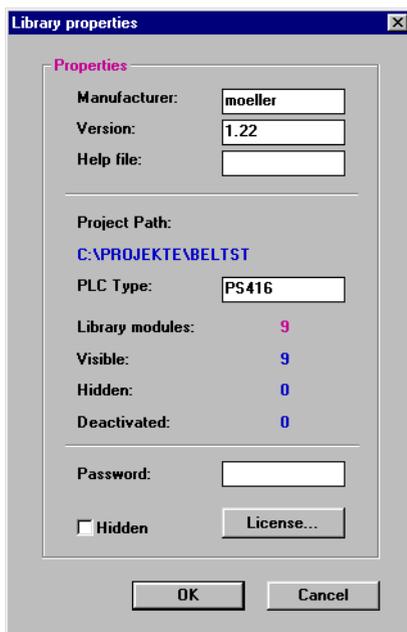


Figure 4: Library Properties dialog window

► Edit the text fields of the window that provide for the general designation of a user library.

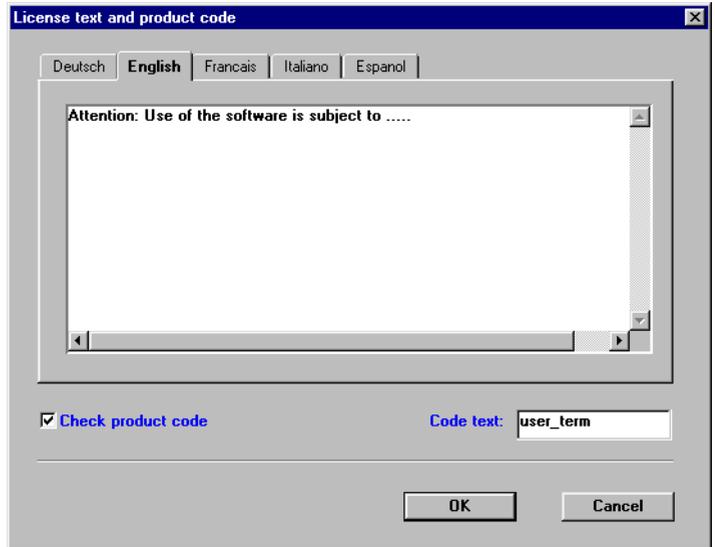
Refer to the online manual Library Manager (AWB-C 2700-1366 GB) for this.



The entry in the text field Version must correspond to the identical text field of the Product Code Generator for creating the product code. The entries in the other fields are optional.

- ▶ Click the License.... button

This will open the License Text and Product Code dialog box.



*License text and product code dialog window*

- ▶ Check the Check Product Code option to specify that a product code is checked when a user library is subsequently imported.
- ▶ In the Code text entry field enter the same text as in the identical text field in the Product Code Generator.

A text that has been entered once in the text field will appear again in the text field when the Library Manager is opened once more.

- ▶ In the text field write the text for your license agreement (optional).

The required license agreement can be written in up to five different languages. For this select the appropriate tab.

This license agreement is shown in the License Agreement window of the S40 Navigator when the user library is later imported. It must be accepted at this point in order to continue the import.

If no license agreement text is written, the License Agreement window is simply skipped and the Product code check is displayed directly.

- ▶ Confirm with OK.
- ▶ This will return you to the Library Properties window where you should click OK once more.

The library properties are assigned to the user library once it has been saved.

## 4 S40 Navigator

A user library that is protected by a product code is imported into your current project in the usual way (see manual “User Interface Sucosoft S40”, AWB 2700-1305 GB, Chapter “Importing or deleting libraries”).

The S40 Navigator will automatically detect product code protection and will check if a license agreement was written and assigned to this user library. If this is the case, the license agreement must be acknowledged by clicking the I Accept option.

The license agreement – if present – will be displayed in the dialog language you have set in the Navigator. If the license agreement is not present in the set dialog language, the English version is shown. If this is not present, the first text found will be shown.

If there is no license agreement for the library, the Library Agreement window will be skipped when the library is imported and the product code check window will be displayed directly.

### Importing a protected user library

- ▶ Import a user library via the buttons in the toolbar



Import a library in S40

or

- ▶ Choose ‹Tools → Library →Import›.
- ▶ Select the required library and click OK.

This will open the License Agreement window:

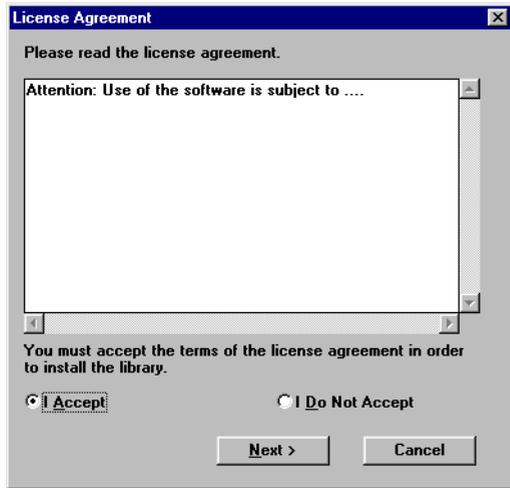


Figure 5: License agreement

- ▶ Activate the I Accept option if you agree to the terms of the license agreement and click the Next button.
- ▶ Enter the product code provided on the data carrier and confirm with OK.

During the import the entered product code will be checked with that of the user library. If they match, the import is continued and completed with an appropriate message in the status line.

The functions and function blocks of the user library will then be available for your program POU.

Otherwise the product code is rejected and a new product code is requested.

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