

# 1 Introduction

## Soft57x



**Configuration software for LID57x handheld reader**

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The LID571 complies with FCC Rule Part 15  
Operation is subject to the following two conditions:  
1) this device may not cause interference and  
2) this device must accept any interference, including interference that  
may cause undesired operation of the device



## 1.1 General

**Soft57x** is developed for the LID570 and LID571 handheld reader. With this software program you can easily configure the handheld reader to your demands. You have the ability to create your own database-table to manage and edit data. It also has a very flexible import/export function which allows you to generate output files that suit your wishes. But it also means that you no longer are tied to a specified file layout for importing data.

This manual contains a description of the PC software. A step by step explanation is given. Throughout this manual an example will be used for further clarification.

## 1.2 Installing the software

**Soft57x** is a free Windows™ 98/ME/NT/2000/XP based PC software on CD-ROM. Installing this software is done as follows:

1. Insert the CD-ROM in your CD-ROM device. The CD will start automatically. If not, run RUNHTML.EXE from the CD.
2. Select 'Install LID57x PC software Windows 98/NT/2000/XP'
3. Follow the instructions on your screen.

After the software has been installed an icon is created in the PROGRAMS folder of the START menu.

## 1.3 Quick links

Quick links to:

### Reader settings

[The reader](#)

[Reading settings](#)

[General settings](#)

[Memory settings](#)

Description of the hardware.

Edit the list of transponders that should be read.

Set the general reader settings.

Set the settings for the reader's memory.

### Software settings

[Communication settings](#)

[Databases](#)

[Security settings](#)

[\(Re\)Registration](#)

[Wedge function](#)

All the settings for the connection with your reader.

Add/Edit/Delete (custom) tables.

Set/Change passwords.

How to get your FREE registration code.

How to setup the wedge function.

## 2 The reader



Click on the items in the screen shot for more specific information on every item.

### 2.1 Display

2x16 characters (7x5 dots) LC display with backlight.

### 2.2 Button

Press the red button if you want to start reading. The reader will read as long as you press the button. You can access the communication mode by "double clicking" the button. If you want to edit the readlist and you do not want to use a PC for this, you can access the readlist as follows:

**Firmware version 8.03 or higher and 9.03 or higher:**

1: Click the button 5 times with a maximum interval of 300 milliseconds, but do not release the button after the fifth time you've pushed it. A long beep will sound and the display will show "COMPORTS ACTIVE".

Continue at step 2

**Other firmware versions:**

1: Double click the button with a maximum interval of 300 milliseconds, but do not release the button after the second time you've pushed it. The display will show "COMPORTS ACTIVE".

2: Hold down the button for approximately 5 seconds, the display will show "RELEASE BUTTON".

3: Now you have 4 seconds for each transponder to activate it (push the button to add the transponder to the readlist). If you do not push the button within the 4 seconds the transponder type will not be read during normal operation. At the end of the setup the reader will turn off, now the new settings are applied.

### 2.3 Cable connector

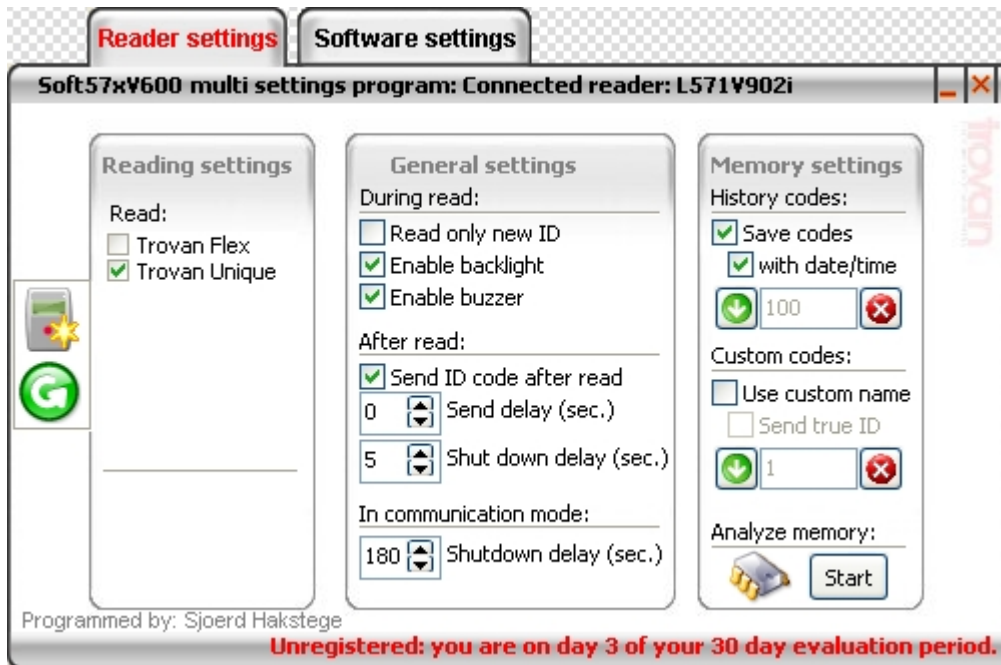
You can connect your reader to the PC via Infra Red or cable. If you use a cable and you want to be able to read transponders while it is connected, be sure to put the reader into communication mode

before clicking "Connect". Otherwise the PC will put the reader into communication mode and it will stay in this mode as long as it is connected to the PC.

## 2.4 Battery compartment

Only use 9V alkaline or rechargeable batteries. Here you will also find the serial number required for the software [registration](#).

### 3 Reader settings



Click on the items in the screen shot for more specific information on every item.

#### 3.1 Reset Reader

When you click the Reset reader button, the reader will turn to it's default settings. All the saved codes will be lost!

#### 3.2 Reload page

When you click the Reload page button, all the data on this page will be reloaded.

### 3.3 Reading settings



Click on the items in the screen shot for more specific information on the item.

#### 3.3.1 Readlist

*Default: Trovan Unique*

Here you can select which transponders you want to read. It is strongly recommended that you do not select transponders you do not need. This will help to increase the reading speed of the reader.

### 3.4 General settings



Here you can edit the reader's general settings.

Click on the items in the screen shot for more specific information on every item.

### 3.4.1 Settings during read

These settings will apply to the reader during read.

#### 3.4.1.1 Read only new ID

*Default: off*

Enable this option if you want to avoid reading the same tag twice in a row. If you enable this option and you do read a transponder for the second time in a row, the reader will show a message: SAME TAG>PUSH TO CONTINUE.

#### 3.4.1.2 Enable backlight

*Default: on*

Enable this option if you want to turn on the LCD's backlight during read. The backlight will ALWAYS turn off if you put the reader in communication mode (double-click button).

#### 3.4.1.3 Enable buzzer

*Default: on*

Enable this option if you want to hear a beep after a successful read. During error messages you will ALWAYS hear a beep.



### 3.4.2 Settings after read

These settings will apply to the reader after read.

#### 3.4.2.1 Send ID

*Default: off*

Enable this option if you want the reader to send the ID number after it has been read. You have to hold down the button after read during the ["Send delay time"](#).

#### 3.4.2.2 Send delay

*Default: 3 seconds*

Here you can set the delay between reading a transponder and sending the information to the PC. If you are using an IR adapter, a delay is preferable so you have some time to aim the reader towards the IR adapter. If you use a cable, the send delay can be set to zero seconds.

#### 3.4.2.3 Shutdown delay

*Default: 5 seconds*

Here you can select the time between the release of the button and the shutdown of the reader. When a tag has been read and you want to be able to write the number on a piece of paper for example, its convenient that the ID code stays on the display for quite a while.

### 3.4.3 Communication mode shutdown delay

*Default: 180 seconds*

Here you can select the time where after the reader has to shut down when in communication mode (Display shows COMPORTS ACTIVE). The reader's shutdown timer will be reset if there is communication with the PC. If the reader is connected with a cable and is put into communication mode automatically the reader can not shut down, therefore an alarm beep will sound if the shutdown time has expired. (Beeps every 5 seconds).

## 3.5 Memory settings



**Memory settings**

History codes:

☒ Save codes

☒ with date/time

 100 

Custom codes:

☐ Use custom name

☐ Send true ID

 1 

Analyze memory:

Here you can set all the settings that apply to the reader's memory.  
Click on the items in the screen shot for more specific information on every item.

### 3.5.1 History codes

These options/settings apply to the history codes.

#### 3.5.1.1 Save codes

*Default: off*

Enable this option if you want to store the ID codes in the reader's memory. You can download these saved codes by clicking the ["Download"](#) button

#### 3.5.1.2 Save codes with date/time


*Default: off*

Enable this option if you want to store the ID codes with a date/time stamp. When you change this option, all the historical data will be lost!


#### 3.5.1.3 Number of history records

In this box you can see how many codes are saved in the reader. To download these codes, click on the ["Download"](#) button.

#### 3.5.1.4 Download history

Click the  button if you want to start downloading the saved codes to your PC. The data transfer window will be opened.

### 3.5.1.5 Clear history records

Click the  button if you want to delete the historical data out of the reader's memory.

### 3.5.2 Custom codes

These options/settings apply to the custom codes.

#### 3.5.2.1 Use custom codes

*Default: off*

Enable this option if you want the reader to show you custom names instead of the ID numbers. You have to upload the list with custom codes first.

#### 3.5.2.2 Send true ID


*Default: off*

Enable this option if you want the reader to send the original ID number instead of the custom name.


#### 3.5.2.3 Number of custom codes

In this box you can see how many custom codes have been saved in the reader. To download these codes, click on the ["Download"](#) button.

#### 3.5.2.4 Download custom codes

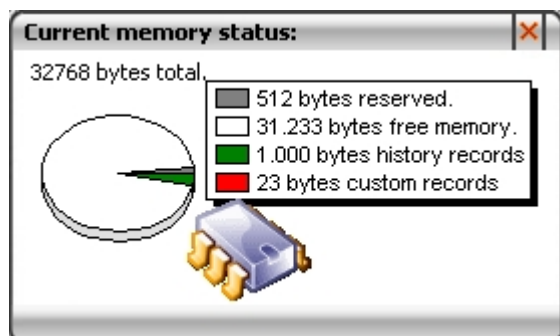
Click the  button if you want to start downloading the custom codes to your PC. This will open the data transfer window.

#### 3.5.2.5 Clear custom codes

Click the  button if you want to delete the custom codes in the reader's memory. This action will also delete all the historical data!

### 3.5.3 Memory analyzer

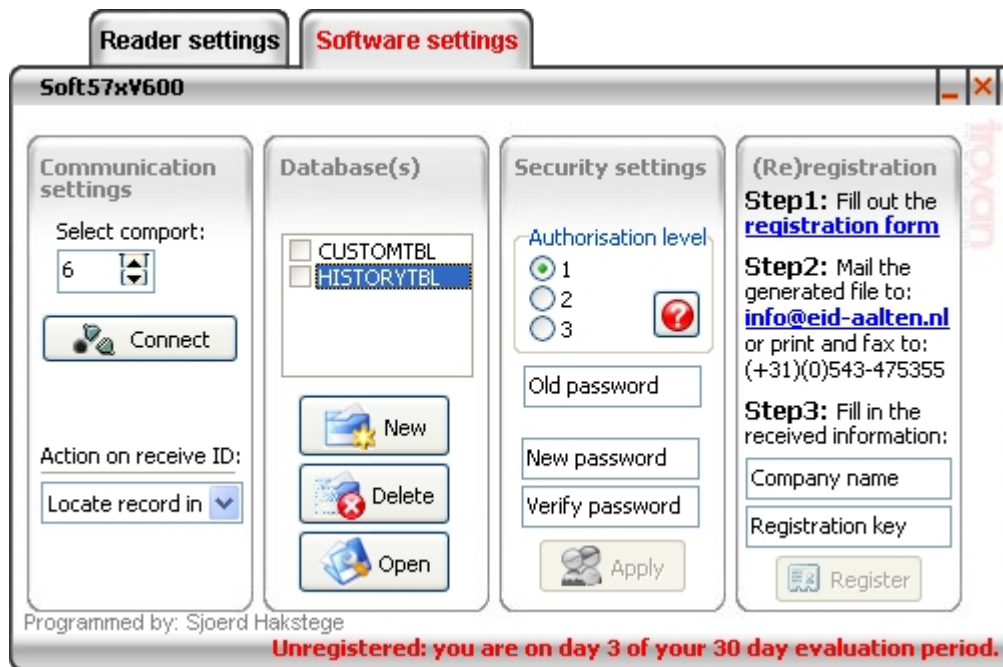
Click the "Start" button if you want to start analyzing the reader's memory. This will open the data transfer window. After all data is downloaded the following window is shown:



Here you can see how many free memory is available. You can also see how many historical data is stored and the number of custom codes.

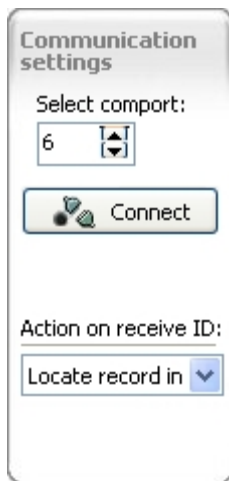
Close this window by clicking the "X" in the top right of the window.

## 4 Software settings



Click on the items in the screen shot for more specific information on each item.

## 4.1 Communication settings



Here you can set all the comport and communication settings.  
Click on the items in the screen shot for more specific information on every item.

### 4.1.1 Comport settings

Here you can select the comport to which the reader is connected. Once you click "Connect", the program will start searching for the reader. If found, the button will light green.

### 4.1.2 Action on receive ID

Here you can select which action should be taken once a ID number is received (the ["Send ID"](#) option has to be enabled).

There are four actions which can be taken:

1. Show on status bar: the received code will be displayed at the bottom left of the screen.
2. Locate record in table: if a table is opened and selected, the program will locate the record in the table.
3. Show popup form: the received code will be shown in a large popup window. The visible time can be selected.
4. Use WEDGE settings: the software has a wedge function. When this option is selected the wedge settings will be applied on the selected application. [Read more about the wedge function.](#)

## 4.2 Databases



Here you can create, edit and delete the tables that are available.  
Click on the items in the screen shot for more specific information on every item.

### 4.2.1 Tables list

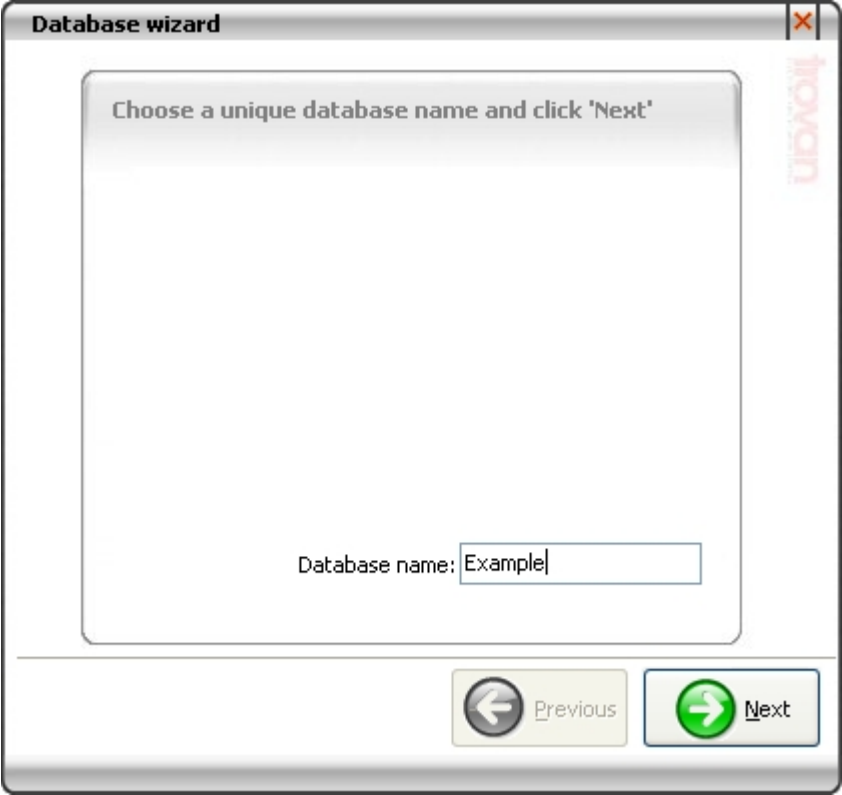
In this list you will find the tables that are available. In this example there are no custom tables. The tables shown are default tables which cannot be deleted, they are used to download the historical data and the custom names. If you want to delete tables you have to check the checkboxes of the tables you want to delete and click on the ["Delete"](#) button.



## 4.2.2 New table wizard

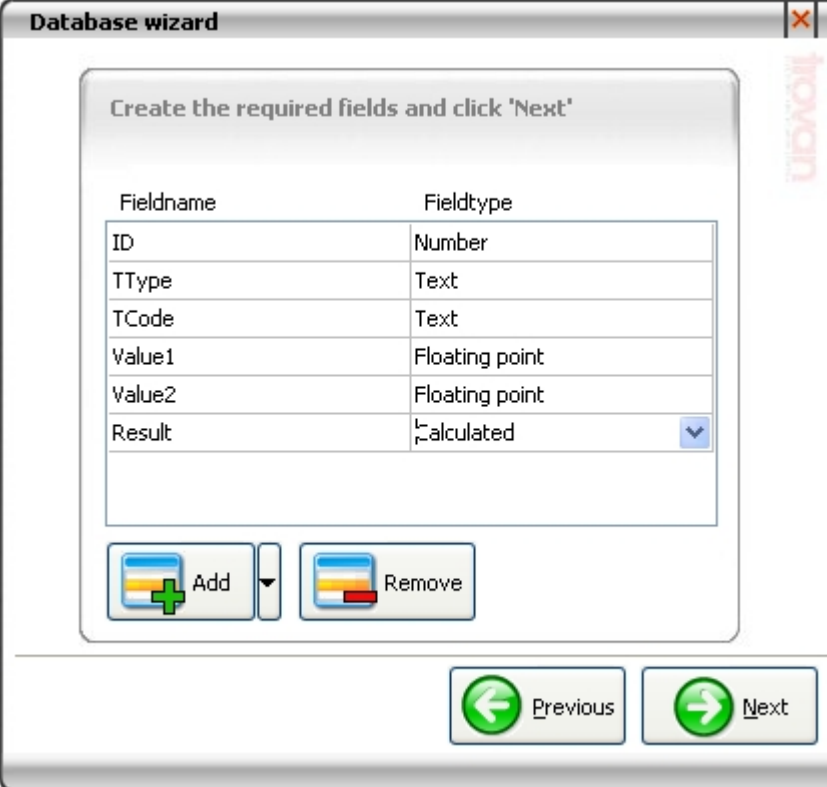
If you want to create your own table you have to click the "New" button. This will open the [wizard](#). Follow the instructions to create a table.

### 4.2.2.1 Define the table name



In this window you have to define a unique table name and click ["Next"](#)

#### 4.2.2.2 Define table fields



Database wizard

Create the required fields and click 'Next'

Fieldname	Fieldtype
ID	Number
TType	Text
TCode	Text
Value1	Floating point
Value2	Floating point
Result	Calculated

Buttons: Add, Remove, Previous, Next

Here you have to define the required fields for your table. The first 3 fields are always required and cannot be deleted.

Click "Add" to add a field. Define the fieldname (unique) and fieldtype (text, integer, floating point, date, time, memo or calculated).

You can also add fields from other tables by clicking the arrow next to the "Add" button.

Click ["Next"](#) when you are done or ["Previous"](#) to change the tablename.

#### 4.2.2.3 Define calculated field(s)

Database wizard

Define the formula for each field and click 'Next'

Fieldname	Formula
Result	EXAMPLE.Value1[Floatin...

EXAMPLE.Value1[Floating point]  
+  
EXAMPLE.Value2[Floating point]

Add  
+ -  
/ x  
Del

Previous Next

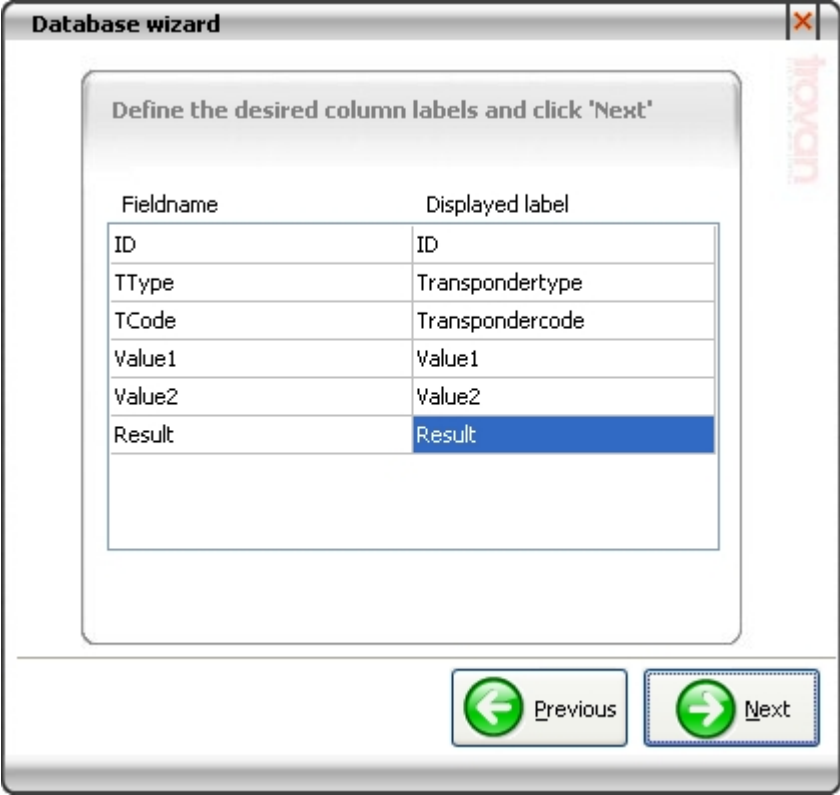
Here you have to define the formula(s) for the calculated field(s) . If there are more than 1 calculated fields select the field from the list and enter the formula in the bottom half of the screen.

There are 4 arithmetic operations (add, subtract, divide and multiply).

Click "Add" to add a field. Click "Del" to delete the last line.

Click ["Next"](#) when you are done. If you want to edit the fieldnames/types, click ["Previous"](#).

#### 4.2.2.4 Define displayed labels



Database wizard

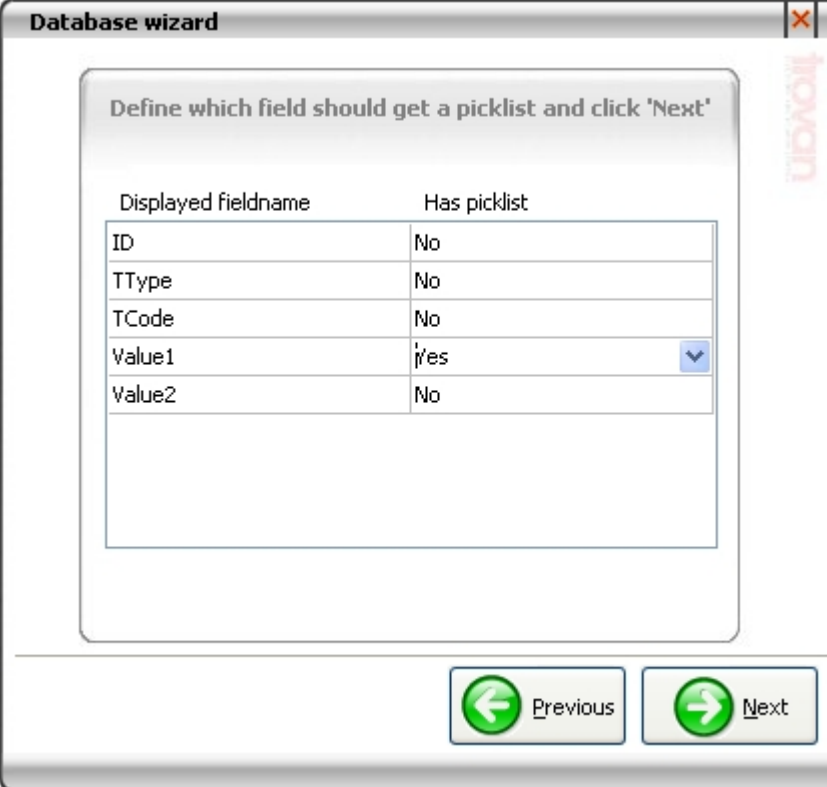
Define the desired column labels and click 'Next'

Fieldname	Displayed label
ID	ID
TType	Transpondertype
TCode	Transpondercode
Value1	Value1
Value2	Value2
Result	Result

Previous Next

In this window you have to define the displayed labels. These labels will be displayed when you open the table. When done, click ["Next"](#). If you want to edit the fieldnames/types, click ["Previous"](#).

#### 4.2.2.5 Define the picklist(s)



Database wizard

Define which field should get a picklist and click 'Next'

Displayed fieldname	Has picklist
ID	No
TType	No
TCode	No
Value1	Yes
Value2	No

Previous Next

Here you have to define which fields should get a picklist. A picklist is a predefined list of items, just like in the picture above (Yes/No). If you want a field to have a picklist, select "Yes". If you are done click ["Next"](#) to edit the picklist(s). Click ["Previous"](#) to edit the displayed labels.

#### 4.2.2.6 Edit the picklist(s)

**Database wizard**

Define the picklist for each field and click 'Finish'

Displayed fieldname	Preview picklist
Value1	<div>▼</div> <div>1 2 3</div>

Picklist items: (3)

1  
2  
3

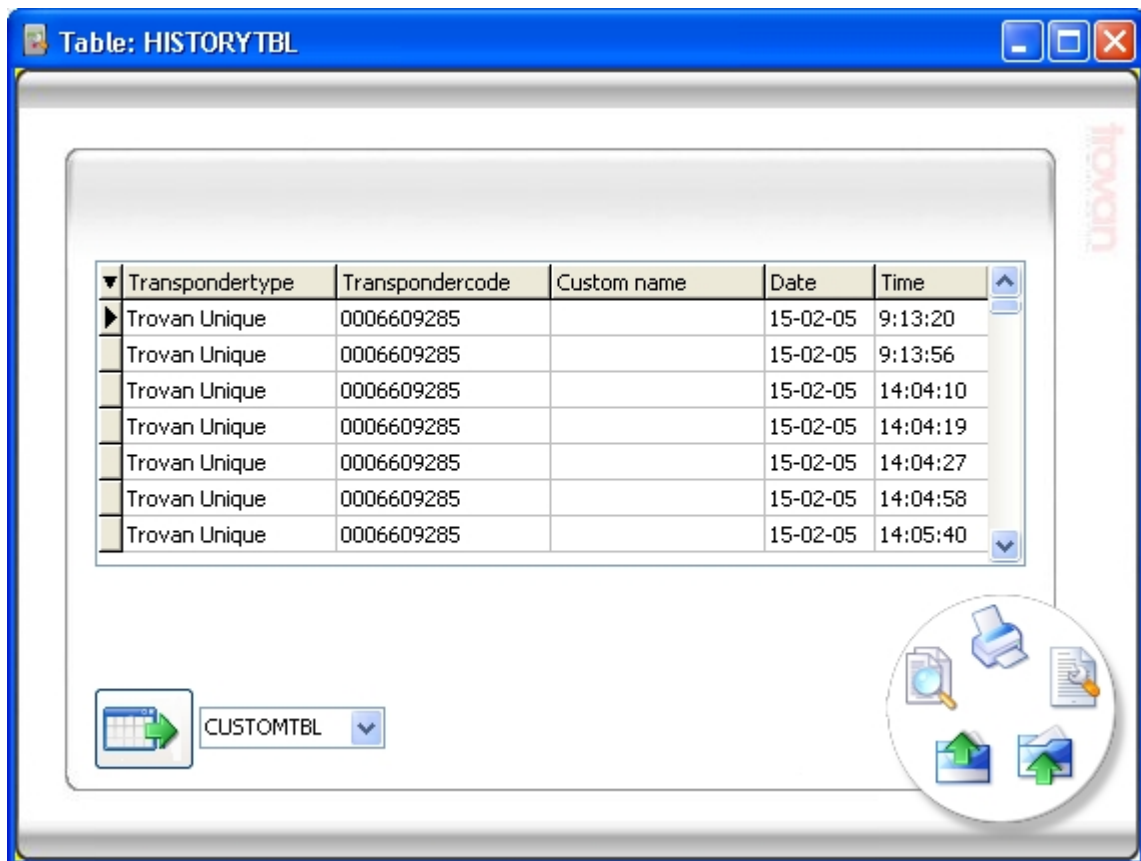
Previous Finish

Here you can define what items the picklist(s) should have. If you have more than 1 field that has a picklist then first select the field (upper half of the screen) and then edit it in the lower half of the screen. You can preview the picklist by clicking it in the upper half of the screen. When you're done, click "Finish" the table will be created and displayed in the ["tables list"](#). If you want to change which fields should get a picklist, click ["Previous"](#).

### 4.2.3 Delete selected table(s)


Select the table(s) in the [list](#) that you want to delete and click on the delete button. Now the selected tables will be deleted (CUSTOMTBL and HISTORYTBL not included).


### 4.2.4 Open table




When you click the "Open" button, the window above will be displayed (in this case the historytable). Click on the items in the screen shot for more specific information on every item.

#### 4.2.4.1 Search in a table


If you want to search in a table you have to click on the magnify glass.  The following screen will be shown:

Search 

<input checked="" type="checkbox"/> Transpondertype	<input type="checkbox"/> Whole words only <input type="text"/> 
<input checked="" type="checkbox"/> Transpondercode	
<input checked="" type="checkbox"/> Custom name	
<input checked="" type="checkbox"/> Date	
<input checked="" type="checkbox"/> Time	

To search, select the field(s) you want to search and enter the string to search for. If you want to search for whole words only, be sure to enable the "Whole words only" option. Click on the magnifying glass to start the search. When a match is found the field will be highlighted. Click on the magnifying glass again to search for the next match.


#### 4.2.4.2 Filter table

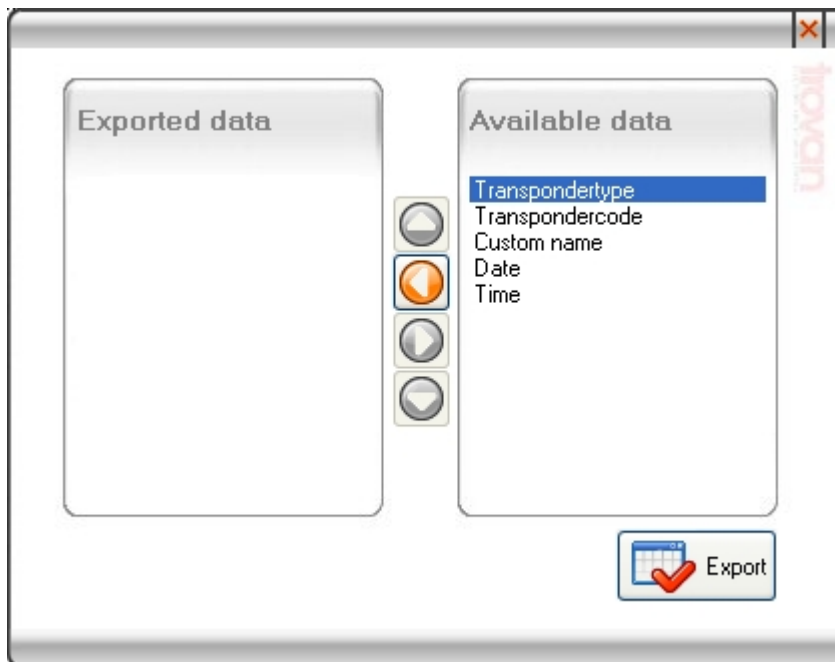
If you want to filter a table, you have to click the filter symbol.   
The following screen will be shown:




To start filtering, select the field and enter the string you want to filter on. The filter is case sensitive.  
Note: You can also search within a filtered table.

#### 4.2.4.3 Export table


To export data from the opened table click the export symbol.   
The following window will be opened:

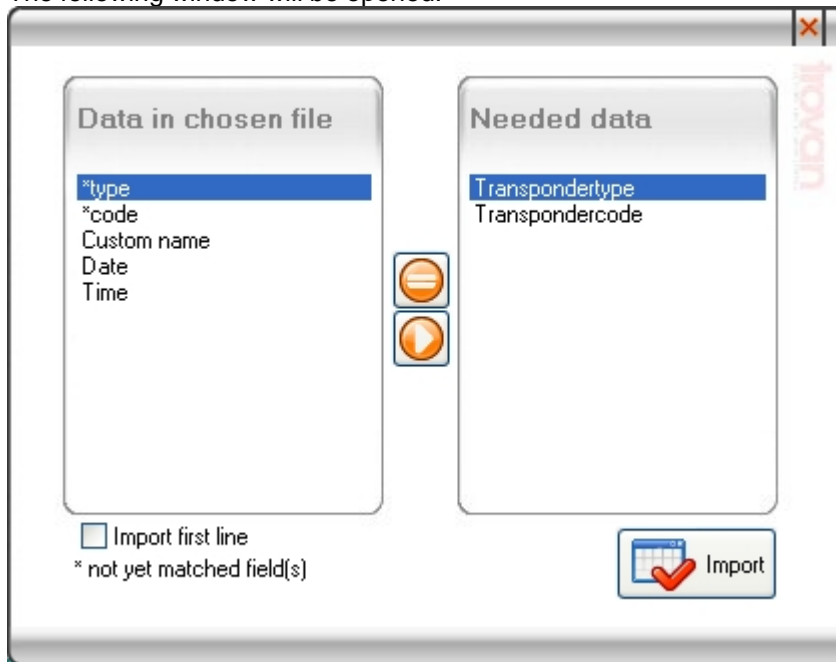



Here you can select the fields you want to export to a file. Select the fields you want to export by using the  buttons. When done click the "Export" button. Now you have to enter the name of the exported file and click "Save".



#### 4.2.4.4 Import table

To import data from a file into the opened table you have to click the import symbol.   
The following window will be opened:



In the left table you can see all the fields that are present in the opened file. The import function automatically recognizes the fields that have the same name and matches them. If there are unknown fields then the fieldname will start with an "\*". These fields will not be imported unless they are matched manually. To match fields manually you have to select the fields that have to be matched (just like in the picture) and then click the  button. After this you will see that the field in the right table is copied to the left one and the "\*" is gone. When done, click the "Import" button. Now the selected data will be imported into the table.


#### 4.2.4.5 Printing a table


You can print a table by clicking on the printer symbol 


The printed document has the same layout as the opened table. This means that if you resize/move or hide a column. It will be applied on the printed document also. When you print a document your company info will be displayed at the top. To edit this information you can open the Companyinfo.inf file which is located in the directory where you installed the software. You can also open the registration form and edit the data there (don't forget to save).

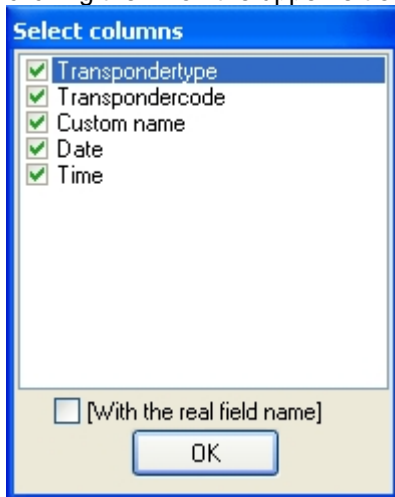
#### 4.2.4.6 Special functions

The table has some special functions which are:

In the history table:  "Copy function", you can easily copy the transponders to, for example, the custom table. This way you can quickly generate the custom names.

In the custom table:  "Upload codes to the reader", to copy the custom names to the reader.

In all tables: "Column select function", you can hide columns you do not use or do not want to print by clicking the  on the upper left of the table. The following window will be shown:



Select the columns you want to see and click "Ok".

## 4.3 Security settings



You can secure the software by applying a password.  
Click on the items in the screen shot for more specific information on every item.

### 4.3.1 Authorisation levels

There are 3 different authorisation levels which are:

Authorisation level 1: Full access to the reader, including changing the passwords for level 2 and 3.

Authorisation level 2: Changes to the reader's settings are not possible. Resetting the reader is not possible. No changes possible to other authorisation levels.

Authorisation level 3: Same restrictions as level 2 plus: No full memory access, Download only.

### 4.3.2 Old password

If you want to change an existing password you have to enter the old password in the "Old password" box.

### 4.3.3 New password

You can enter the new password in the "New password" box. To remove a password leave this box blank.


### 4.3.4 Verify password

To verify the password you have to re-enter it in the "Verify password" box. To remove a password leave this box blank.

### 4.3.5 Apply changes

To apply the new password you have to click on the "Apply" button. A message will be shown if the new password is successfully set.

## 4.4 (Re)registration



The screenshot shows a dialog box titled "(Re)registration". It contains three steps: Step 1: Fill out the registration form (with a link to the form); Step 2: Mail the generated file to info@eid-aalten.nl or print and fax to (+31)(0)543-475355; Step 3: Fill in the received information. Below Step 3 are two input fields: "Company name" and "Registration key". At the bottom is a "Register" button with a floppy disk icon.

**(Re)registration**

**Step1:** Fill out the [registration form](#)

**Step2:** Mail the generated file to:  
[info@eid-aalten.nl](mailto:info@eid-aalten.nl)  
or print and fax to:  
(+31)(0)543-475355

**Step3:** Fill in the received information:

Company name

Registration key

 Register

When you first install the software you will notice that it is a 30 day trial version. You can obtain a free registration key by filling out the registration form.

Click on the items in the screen shot for more specific information on every item.

#### 4.4.1 Registration form

**Registration form**

Fill out this form to obtain your FREE registrationkey

License key: 07D5021C0F37182080054

Company details

Company name..... : EID Aalten bv

Adress..... : Nijverheidsweg 217

Zip code + City..... : 7122 AB Aalten

Country..... : Nederland

Contact person..... : Roland Stump

Telephone..... : 0543-477119

e-mail adres..... : r.stump@eid-aalten.nl

Serial number(s): (see battery compartment)

234545435

Where did you purchase your equipment? (name of dealer)

EID

Send me an e-mail when a new version is released

☒ Yes ☐ No

Ok

You have to fill out this form to obtain your free registration key.

##### 4.4.1.1 Company details

Enter the company's details. When you print a table, this information will appear on the printed document. See ["Printing a table"](#) for more information.

##### 4.4.1.2 Serial numbers

Enter the serial number(s) of the reader(s). If you have more than one reader you can specify a serial number range by separating the start and end number with ".." for example 5010501..10 means serial numbers 5010501 trough 5010510.

##### 4.4.1.3 Purchased

Please specify where you purchased the reader(s). When the form is filled out you can save it by clicking "Ok".

Now you have to enter the location where the registration file should be saved and click "Save".

#### 4.4.1.4 Mailinglist

Please specify if you want to receive an e-mail if a new version of the Soft57x software is released.

#### 4.4.2 Mailing the file

After filling out the [registration form](#) you have to e-mail this file to: [info@eid-aalten.nl](mailto:info@eid-aalten.nl) or print and fax it to (+31)(0)543 475355

In reply you will receive a registration key.

#### 4.4.3 Entering the received information

When you have received a registration key you have to enter it in the boxes at the bottom of the screen. Please note that the registration key and company name are case-sensitive. When done click "Register".

## 5 Wedge function

The embedded wedge function is a powerful tool to wedge ID codes into another program. Click on the items in the screen shot for more specific information on every item.

## 5.1 Prefix/Suffix

If you want to use a prefix or a suffix you have to check the corresponding checkbox.

You can compose a prefix or suffix string by clicking the keyboard button.



## 5.2 Data

The following items can be wedged:

- 1: Transpondertype; if you want to wedge the transpondertype then check this box.
- 2: ID number; if you want to wedge the ID number then check this box.
- 3: Date&Time; if you want to wedge the date & time, then select this box.