



dekart
MAKE IT SECURE

USER GUIDE
SIM MANAGER 2

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Purchasing or reselling the software: sales@dekart.com

Technical support: support@dekart.com

General feedback: info@dekart.com

WWW: www.dekart.com

3 Glossary

SIM Manager - the name of the application.

PIN (Personal Identification Number) - a secret number that gives you access to the SIM card.

PUK (Personal Unblocking Key) - a secret number that allows you to unblock a SIM card which was blocked after entering an invalid PIN several times in a row (see [unblocking a PIN](#)).

4 Introduction

4.1 SIM Manager's feature highlights

SIM Manager is an application that allows you to easily manage the contents of a SIM card, and perform operations such as:

- add, remove or edit phonebook contacts;
- create backups of phonebook files ;
- sort the contacts of the SIM phonebook;
- enable, disable or change the PIN;
- etc.

Highlights

1. *Ease of use* - interacting with a SIM card is much easier with a computer, than it is with a phone;
2. *Mobility* - transfer contacts from one SIM to another when changing mobile operators, quickly update the phone prefixes when traveling from one country to another;
3. *Interoperability* - the phonebook can be exported to a CSV file and further processed by other applications; the same mechanism can be used to synchronize the contents of multiple SIM cards, or merge the contacts from different applications (ex: organizers, email clients, etc);
4. *Wide compatibility* - SIM Manager works with any SIM card, regardless of the phone model you have, or the operator you are subscribed to. There is no need to purchase additional cables to connect the phone to the computer, since SIM Manager interacts with the SIM card directly, using a smart card reader.

4.2 SIM Manager's components

SIM Manager's package consists of the software modules, and this guide.

4.3 System requirements

Hardware requirements

- Personal computer with an available port (ex. COM, USB) for the smart card reader.
- [A PC/SC compliant smart-card reader.](#)

Software requirements

- Windows 2000, ME, XP, 2003.
- Smart card reader driver.

4.4 Supported equipment

SIM Manager supports the following equipment:

SIM-cards

Phase 1, 2, 2+ SIM and USIM (including Nextel) cards.

Smart card readers:

SIM Manager works with any PC/SC compliant smart card reader, such as:

- [Dekart SIM Card Reader](#);
- Datakey DKR smart card reader series;
- GemPlus GemPC smart card reader series ;
- OmniKey CardMan smart card reader series;
- Schlumberger Reflex smart card reader series;
- Towitoko CHIPDRIVE smart card reader series.

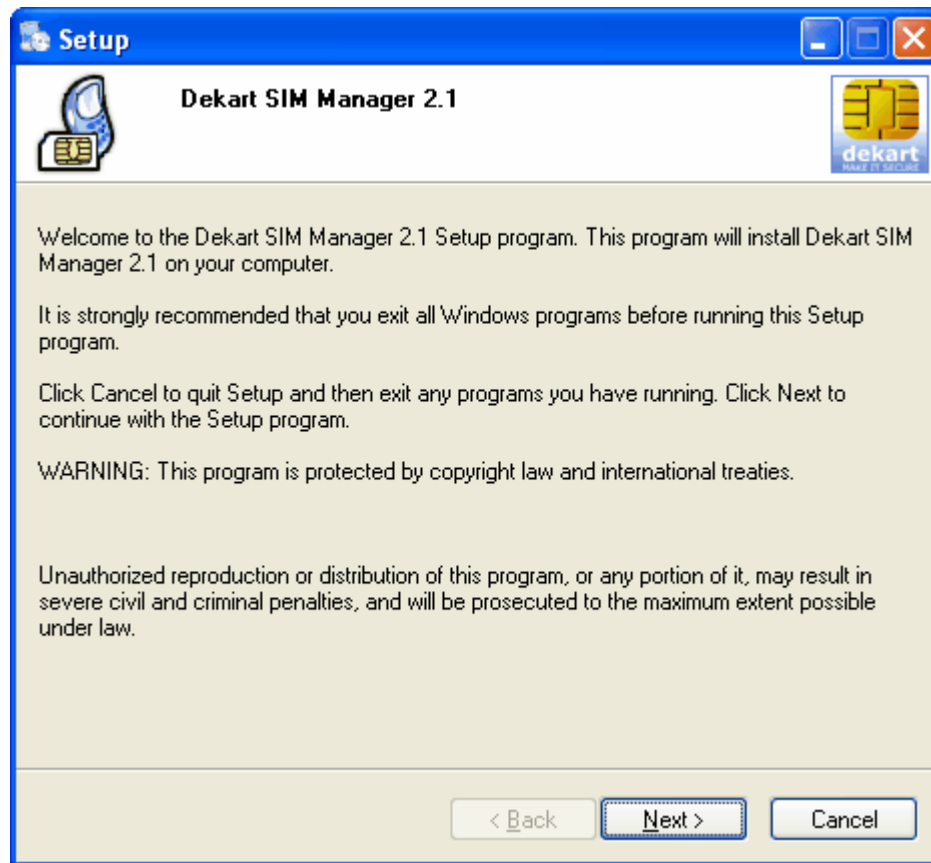
A full list of supported devices is available on our web-site:
http://www.dekart.com/products/supported_devices/

5 Installing, updating and removing SIM Manager

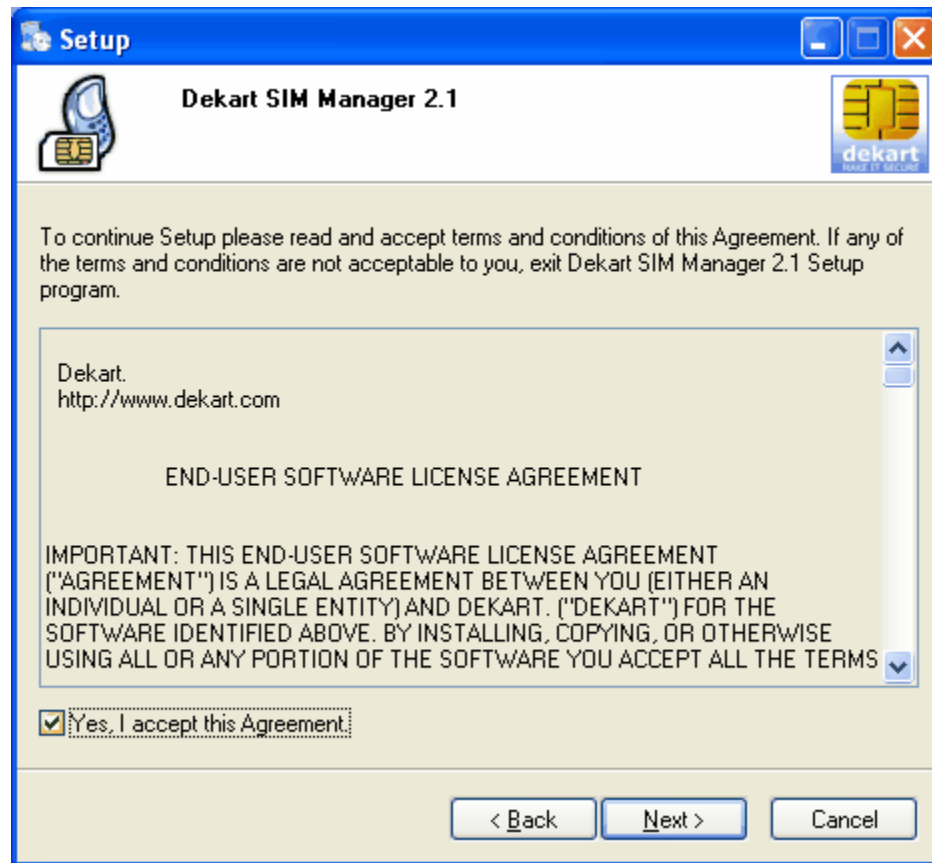
- [Installing SIM Manager](#);
- [Updating SIM Manager](#);
- [Uninstalling SIM Manager](#).

5.1 Installing SIM Manager

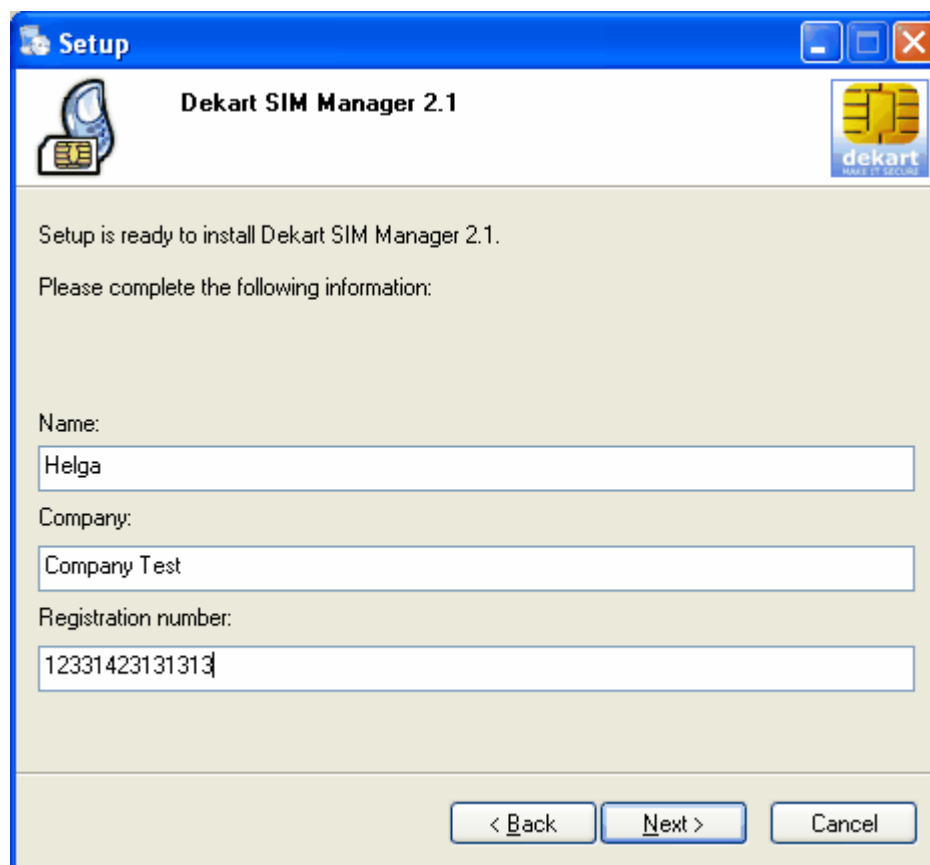
1. Close your currently open applications before installing SIM Manager.
2. Run SIMManager.exe to start the installation process.
3. Once the welcome screen is shown, click **Next** to continue the installation.



5. Read the license agreement and accept its terms in order to continue the installation.



6. Enter the registration details.



Setup

Dekart SIM Manager 2.1

Setup is ready to install Dekart SIM Manager 2.1.
Please complete the following information:

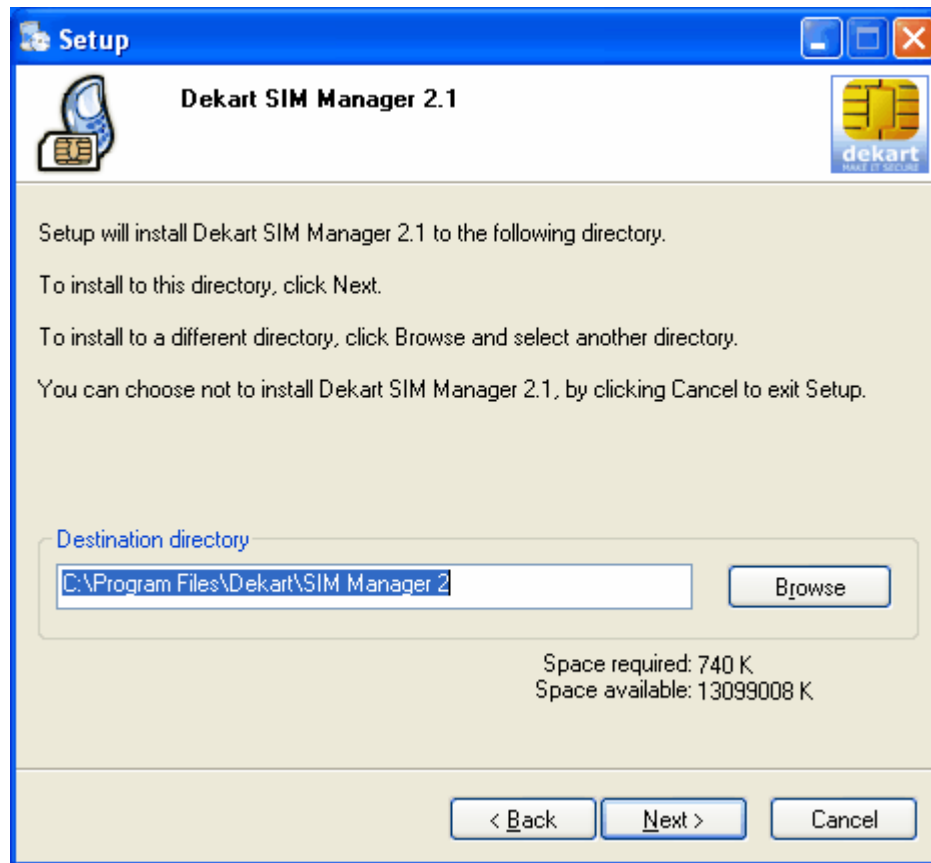
Name:
Helga

Company:
Company Test

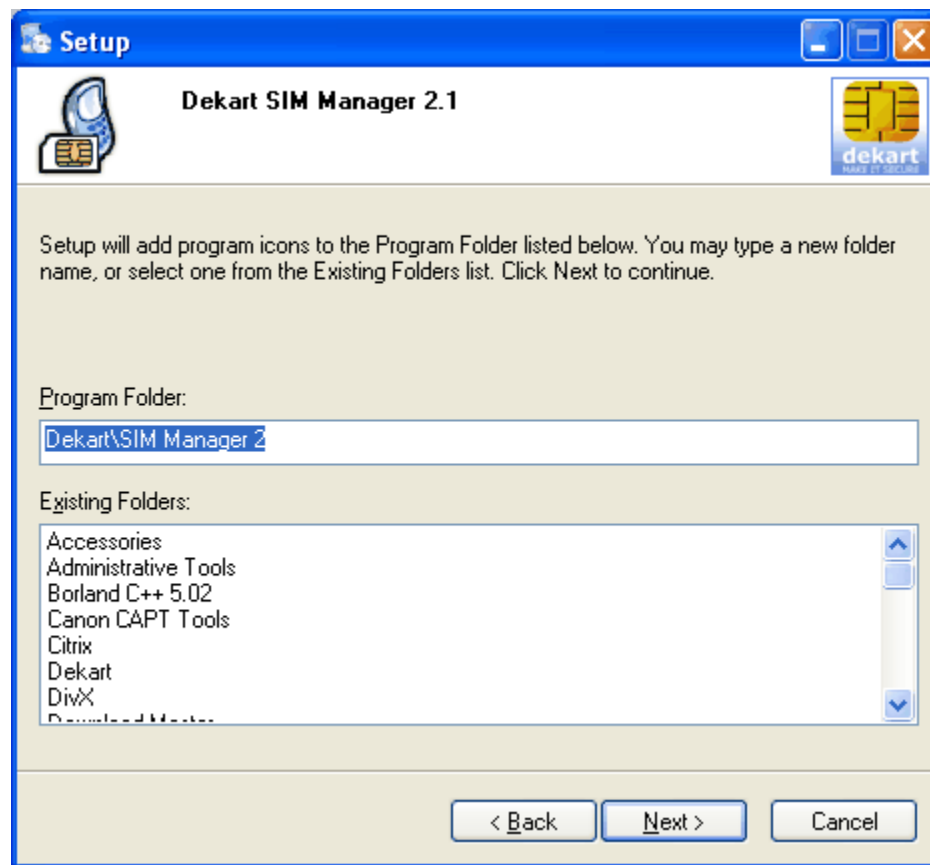
Registration number:
12331423131313

< Back Next > Cancel

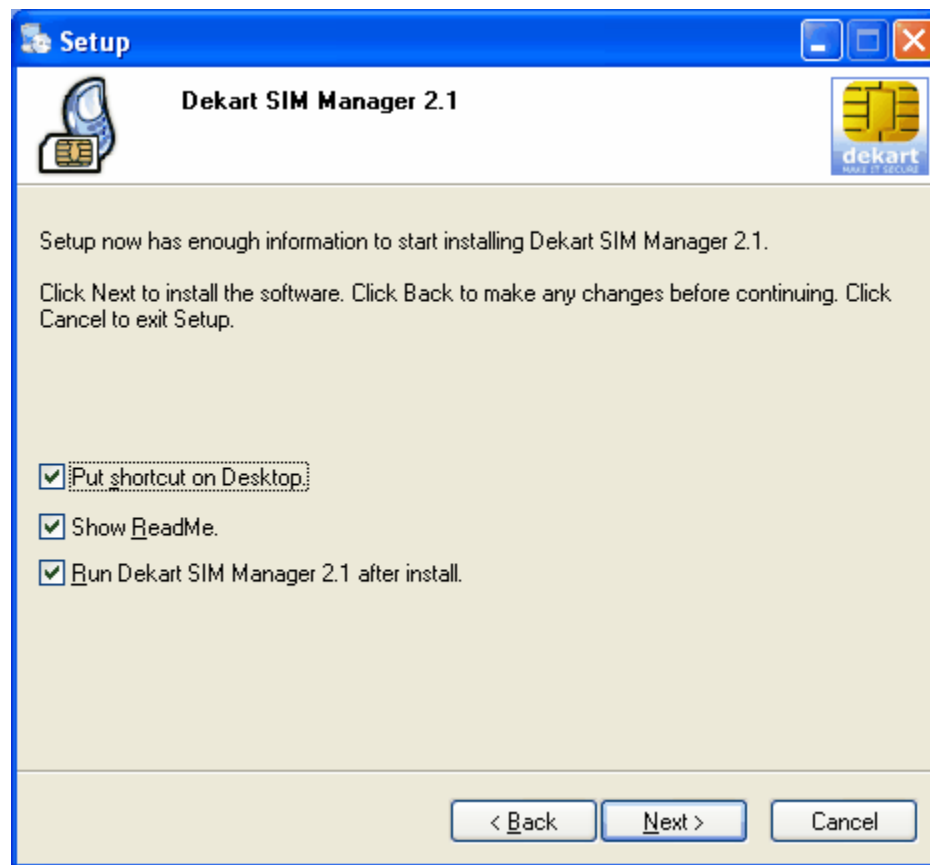
7. Choose the folder in which SIM Manager will be installed.



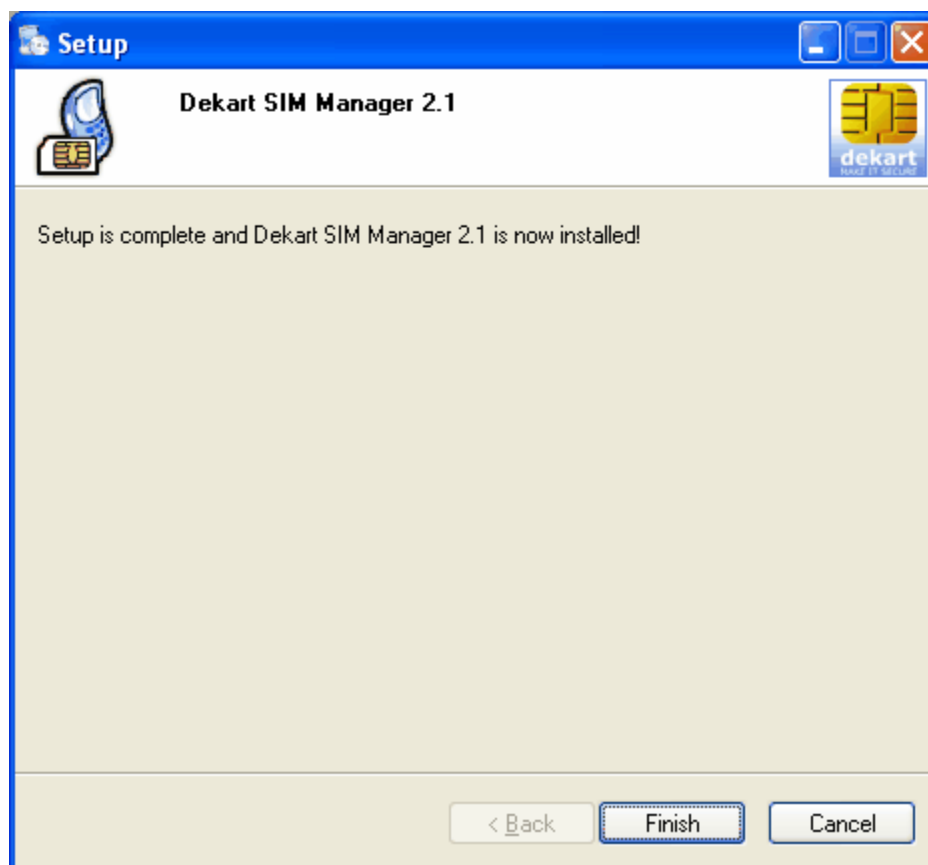
8. Choose SIM Manager's **Start Menu** entry.



9. Additional installation options can be chosen at this step.

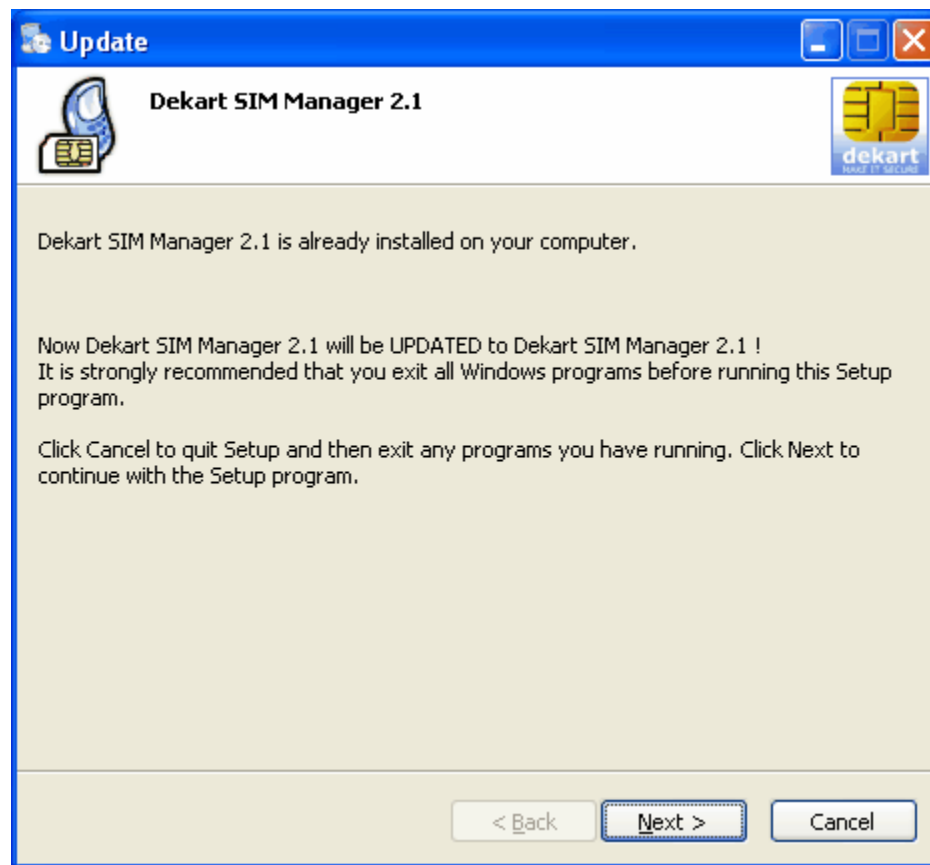


10. Press **Finish** to complete the installation.

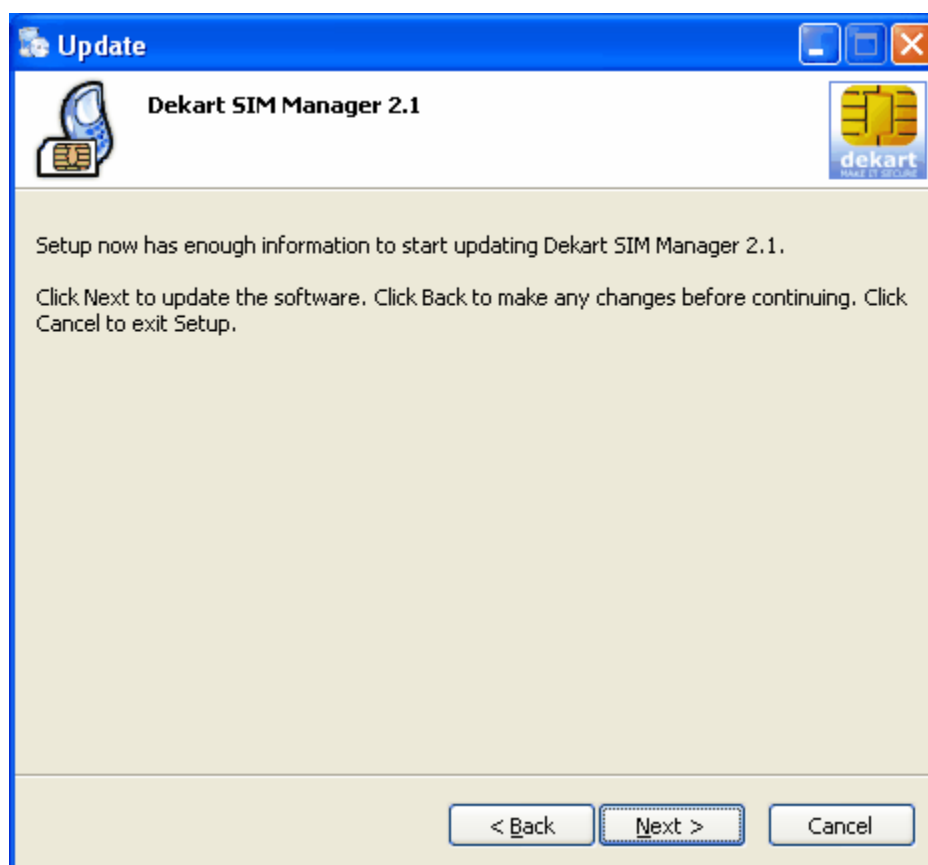


5.2 Updating SIM Manager

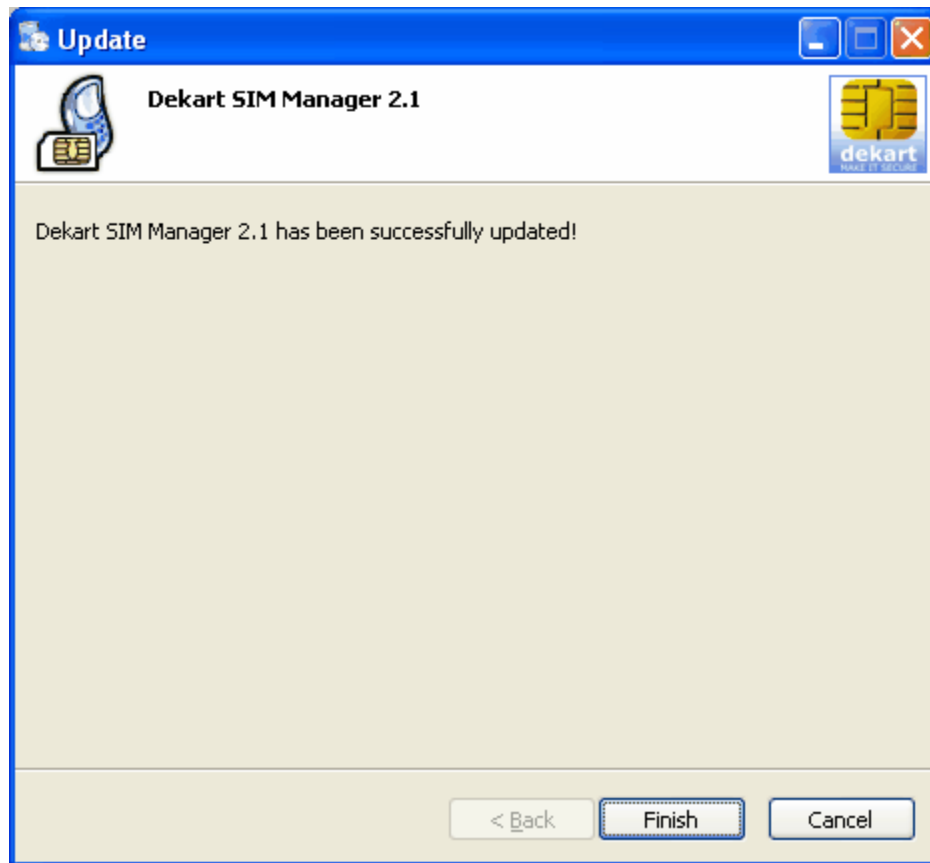
1. If SIM Manager's installation program is started again, it will find an existing copy of the program and offer to update it.



2. Click **Next** to continue; you will be shown the license agreement, which must be accepted in order to proceed with the installation.
3. SIM Manager will collect the information it needs in order to update itself; click **Next** to continue.



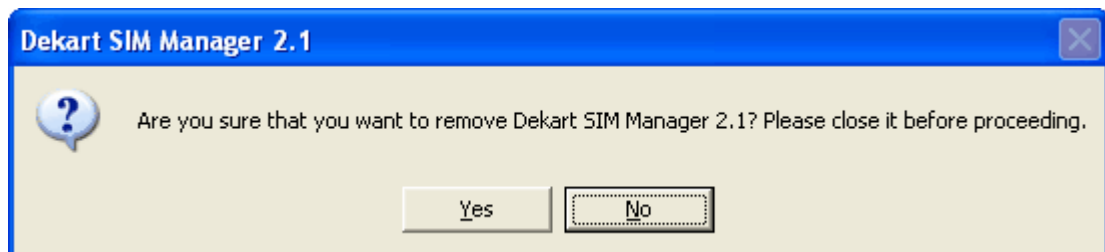
4. Press **Finish** to complete the update.



Note. The system needs to be restarted after the update.

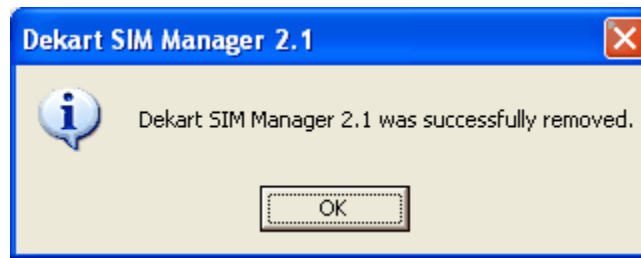
5.3 Uninstalling SIM Manager

1. Press **Start\Programs**, choose the folder you indicated at [step 8](#) of SIM Manager's installation process (see [Installing SIM Manager](#)), and click **Uninstall**. An alternative way to do that is to go to **Control Panel\Add or remove programs**, find SIM Manager in the list, and press **Uninstall**. The following window will be shown on the screen.



Click **Yes** if you wish to continue uninstalling the software.

2. The following window will be shown on the screen when SIM Manager is uninstalled.



6 Using SIM Manager

6.1 Starting the application

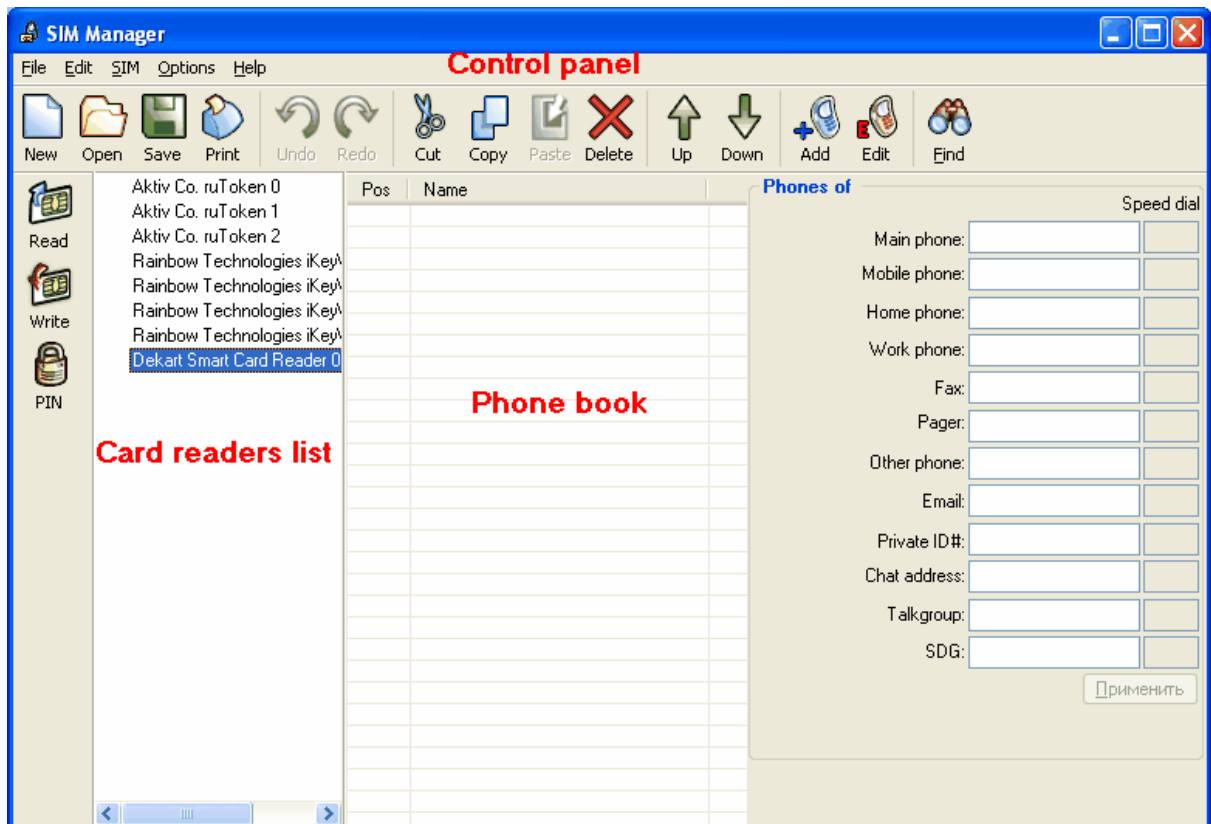
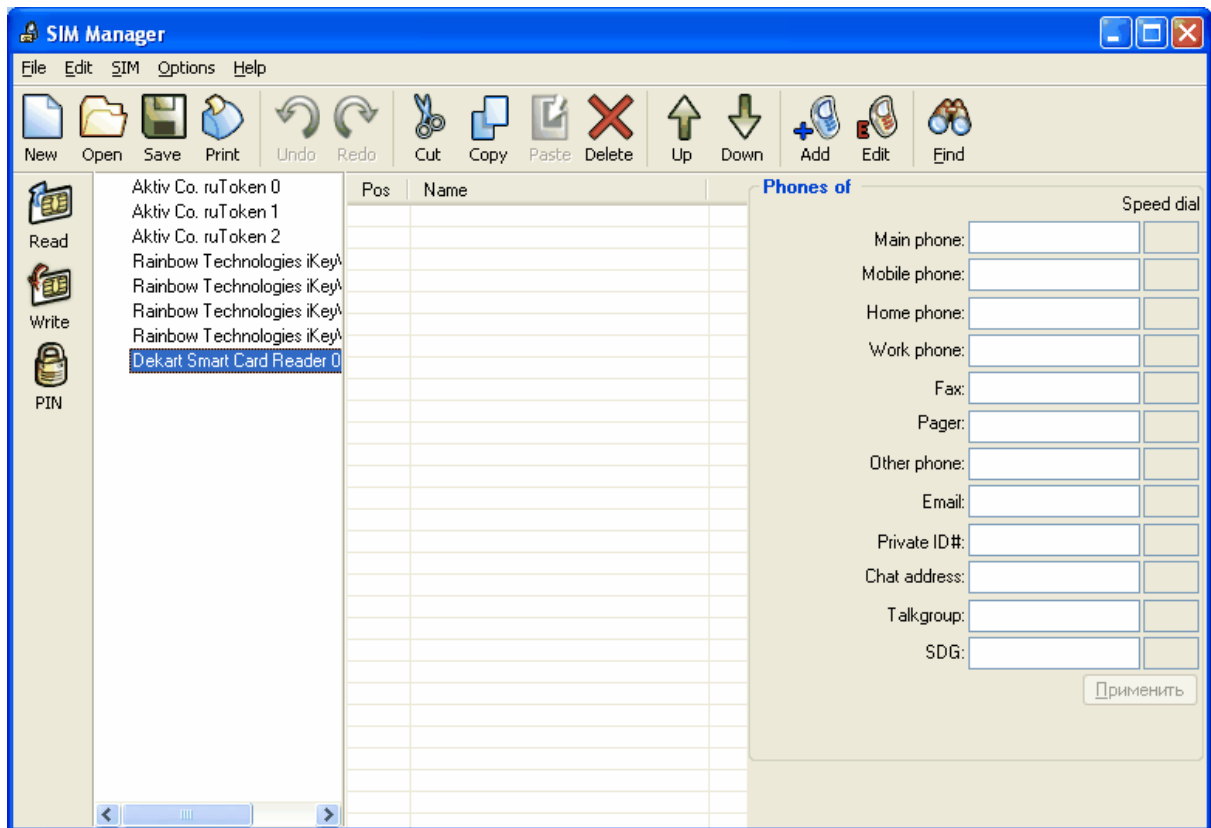
The application can be started in one of the following ways:

- Go to **Start\Programs**, choose the program's folder (see [step 8](#) of [Installing SIM Manager](#)), and launch the application.
- Open the folder to which the program was installed (see [step 7](#) of [Installing SIM Manager](#)), and launch the application **meditor.exe**.

When started for the first time, the program will ask you whether you wish to associate it with PHN files (this is SIM Manager's phonebook format). Click **OK** if you wish to do this, otherwise click **Cancel**.

Note: This can be done later, via the program's **Options** menu.

This is how the program's main window looks like.



The top region of the window contains the control panel. You can perform an action either by clicking its icon, or by choosing the respective menu item (File, Edit, SIM, Options, Help). Below you can find the list of smart card readers known to your system, and the information stored on the card (phone book, SMS archive, etc).

6.2 Available operations

SIM Manager provides the following functionality:

Managing the phonebook

New file	creates a new phonebook
Open file	opens an existing phonebook
Close	closes the current phonebook
Save	saves the phonebook to a file
Save as...	saves the phonebook to a different file
Print	prints the phonebook
Add contact	adds a new contact to the phonebook
Edit contact	edits a contact from the phonebook
Add prefix	automatically add a prefix (or change it) to a group of phone
Find and replace	finds and replaces contact information
Copy	copies a contact to the clipboard
Paste	pastes a contact from the clipboard into the current phonebook
Cut	cuts an SMS or a contact from the phonebook into the clipboard
Delete	delete an SMS or a contact from the phonebook
Undo	reverts a previous action (add,cut,delete)
Redo	performs a reverted action again
Undelete SMS	recovers an SMS that was marked as deleted

Using the SIM card

Read SIM	reads data from the SIM card
Write SIM	writes data to the SIM card
Change PIN1	changes PIN1
Change PIN2	changes PIN2
Backup SIM	creates a backup of the SIM card
Restore SIM	restores a SIM card from a previously made backup
Properties	displays the properties of a SIM card
Close	closes the SIM card

Options

Change font	changes the font used to display the phonebook and other SIM card data
Settings	customizes the program's settings

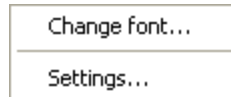
Help

Readme	displays SIM Manager's readme file
About	displays the software version and the registration information

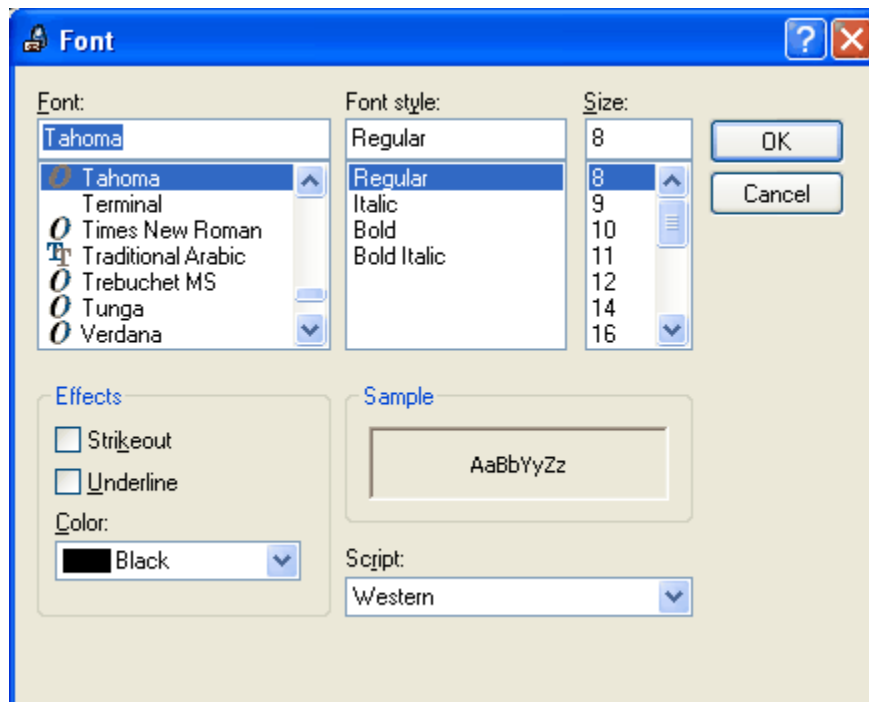
Quit	closes SIM Manager
------	--------------------

6.3 Configuring SIM Manager

It is advised that you review SIM Manager's settings and customize them when you start the program for the first time. To do that, use the **Options** menu.

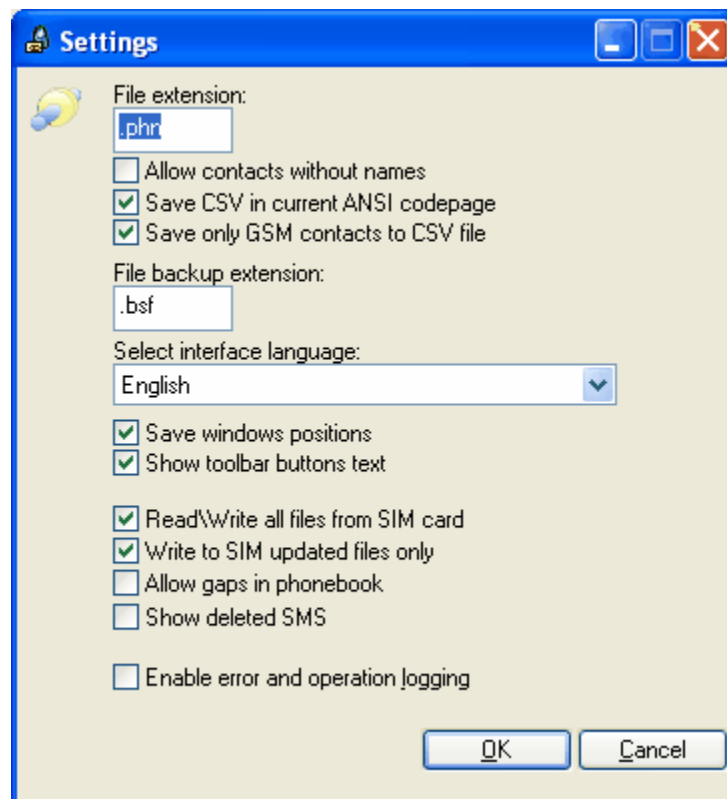


Change font... allows you to choose a custom font, which will be used by SIM Manager.



Choose the desired font, and press **OK** to confirm your choice.

SIM Manager's additional settings can be modified by clicking **Settings**.



Here is a list of items that can be changed:

1. *Associate the <.phn> file extension (or a custom one) with SIM Manager.* If this is enabled, SIM Manager can be started by double-clicking a phonebook file; the file will be loaded automatically.
2. *Allow contacts without names.* If enabled, SIM Manager will allow you to write contacts that don't have a name to the card and to the local file. **Note.** The contacts entered without name will not be visible when displayed on the phone.
3. *Save CSV in current ANSI codepage.* If the option is enabled, SIM Manager will write the CSV files in a non-Unicode format, using the default ANSI codepage of the system. Normally this feature can be turned off, and it should only be used when the CSV files are going to be further processed by a non-Unicode application (such as Microsoft Excel, prior to the 2007 version).
4. *Save only GSM contacts to CSV file.* The CSV files will only contain the contacts of the phonebook, while other numbers (ex: own numbers, last dialled numbers, etc) will not be stored.
5. *Associate the <.bsf> file extension (or a custom one) with SIM Manager phonebook backup files.*
6. *Select interface language* allows you to choose the language of the program's interface. **Note.** To apply the new settings, restart SIM Manager.
7. *Save windows positions* will memorize the size and the position of SIM Manager's window. Next time you start the program, these settings will be reused; otherwise - the windows' size and location will be restored to its default settings.
8. *Show toolbar buttons text* will show the title of a button under its icon. Please note that in some languages button titles may be rather long, so not all the buttons will be shown on the toolbar.
9. *Read/Write all files from SIM card.* If you enable this option, SIM Manager will read all the files (ex: phonebook, own numbers, etc) of the SIM card at once; otherwise only the phonebook will be read/written.
10. *Write to SIM updated files only.* If enabled, SIM Manager will only write data to the card, if there were changes (ex: a number was modified, a new entry was added, etc).
11. *Show deleted SMS.* Some phones mark an SMS as deleted instead of actually deleting it from the SIM card. If this option is checked, SIM Manager will retrieve such SMSes. An SMS that was

marked as deleted will be shown in red. This option is useful if you want to recover a deleted SMS.

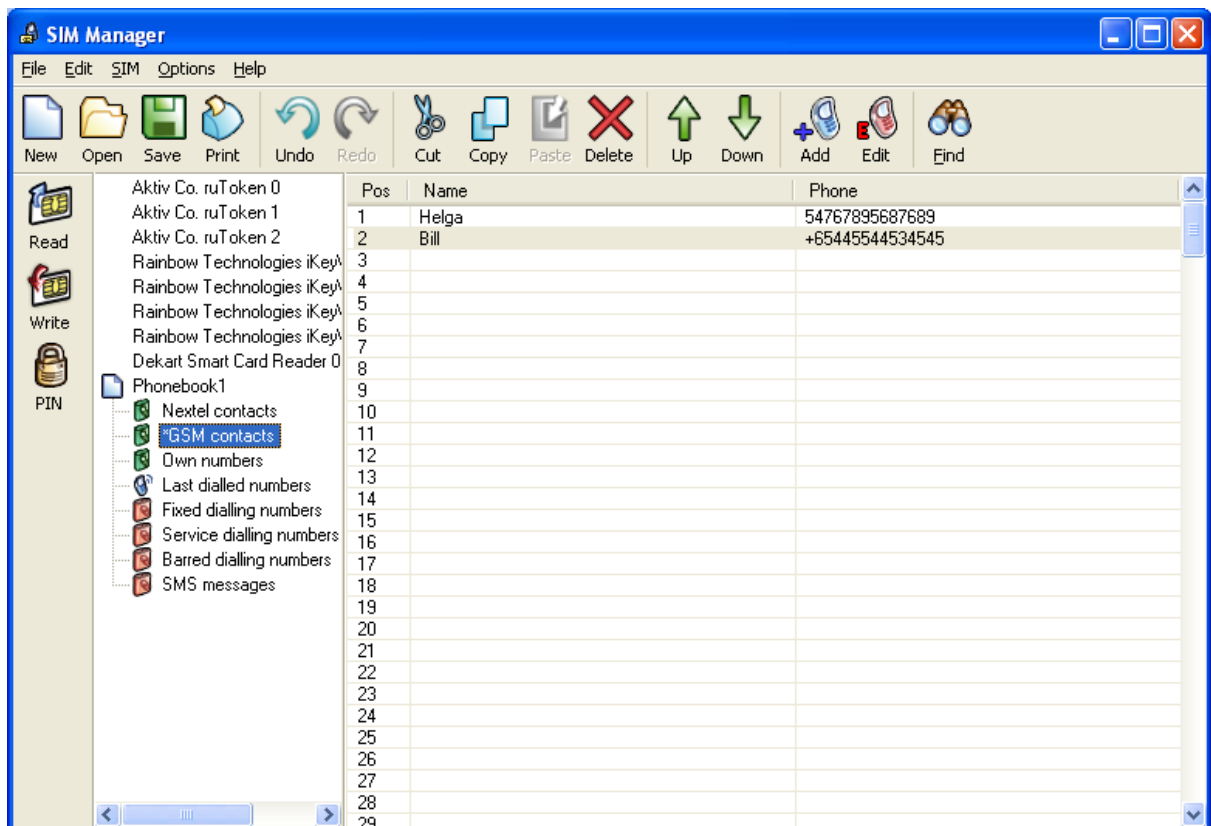
12. *Allow gaps in phonebook.* Gaps can be formed in the phonebook if contacts are removed. If this option is checked, the gaps will be removed, thus the list of contacts will be continuous.

Press **OK** to apply the new settings.

6.4 Managing the phonebook

6.4.1 Creating a new phonebook

To create a new phonebook, press **File -> New file...**, or press the **New** button on the toolbar. A new phonebook will be created:



To add a new contact, choose the desired section of the phonebook and press **Add**, or go to **Edit -> Add contact...**

If you add a contact to a *Nextel* phonebook, the following window will be shown:

Add contact

Name: Position number: 1

Speed dial

Main phone:

Mobile phone:

Home phone:

Work phone:

Fax:

Pager:

Other phone:

Email:

Private ID#:

Chat address:

Talkgroup:

SDG:

For other types of SIM cards, the following dialog is used.

Add contact

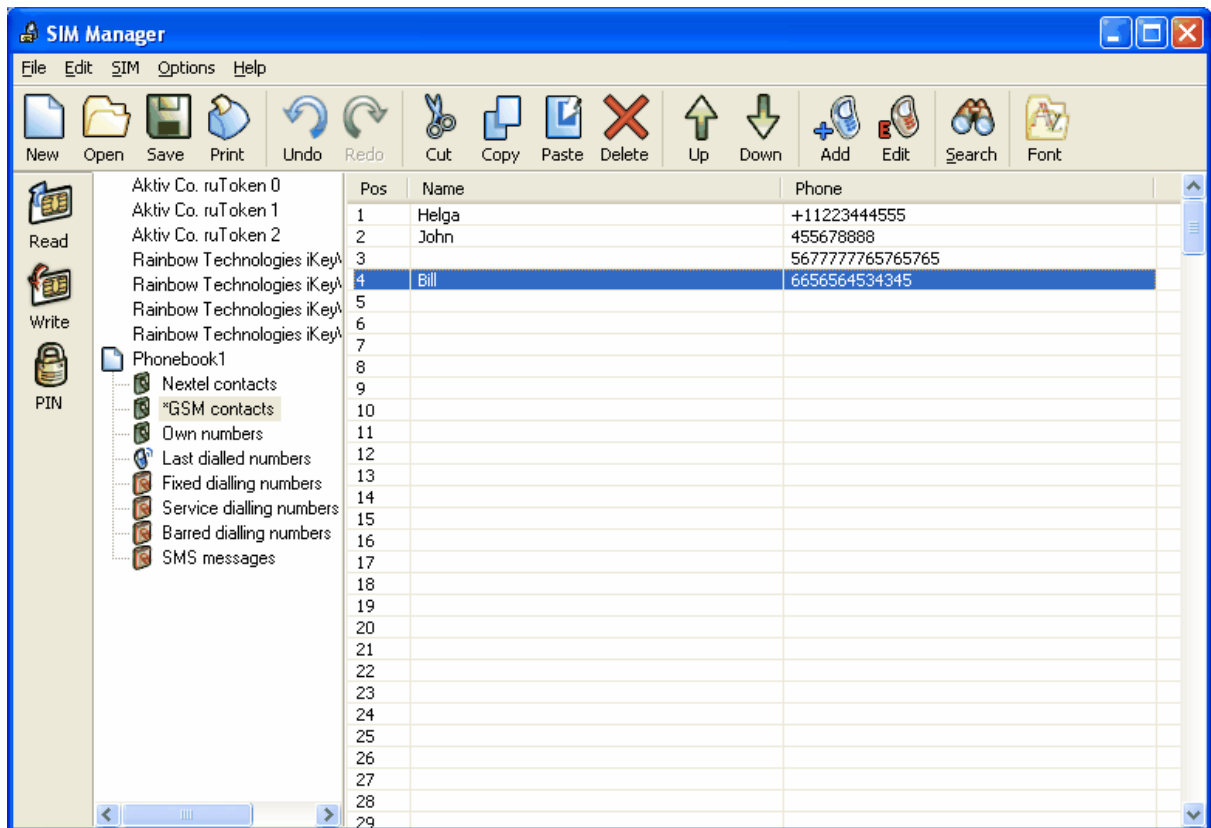
Name:

Phone:

Position number: 1

Fill in the fields and press **OK** to confirm; pressing **Cancel** will abort the operation.

After you add contacts to your phonebook, the program's main window will be updated:



To save the new file to the disk, press **File -> Save As...** (for more details, see [Saving a phonebook to a file](#)).

To write the contacts to a SIM card, press **SIM -> Write SIM** (for more details, see [Writing to a SIM card](#)).

Note: You can create and edit multiple phonebooks at the same time.

Note: If "Allow contacts without names" is enabled in the program's settings, you can create contacts that don't have a name assigned to them.

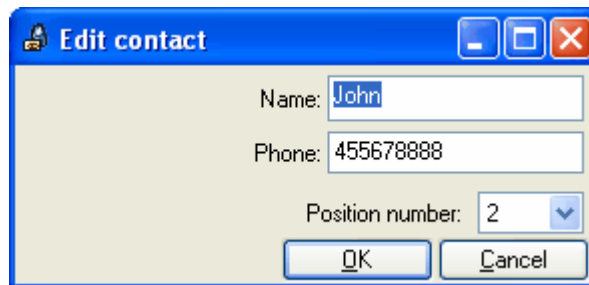
Note: The SMS messages section can only be read (i.e. you cannot modify its contents)

6.4.2 Editing the phonebook

To edit a phonebook, open a previously created one via **File -> Open file...**, or [read a SIM card](#).

Editing a contact

1. Click on the contact you wish to edit.
2. Press the **Edit** button on the toolbar, or go to **Edit -> Edit contact**.



3. Press **OK** after making your modifications.

Changing the position of a contact in the list

1. Click on the contact the position of which you wish to change.
2. Press the **Up** button to move the contact up, or the **Down** button to move it down. This can be done with multiple contacts at the same time.

Choosing multiple contacts

Multiple contacts can be selected by holding the **Shift** (or **Ctrl**) button on the keyboard while clicking the contact with the mouse.

Copying contacts to the clipboard

1. Select the contacts from the list (you can select multiple contacts).
2. Press the **Copy** button, or go to **Edit -> Copy**.

Pasting the contacts from the clipboard

1. **Copy** the contacts to the clipboard.
2. Press the **Paste** button, or go to **Edit -> Paste**. The contacts will be pasted into the nearest unused records on the SIM card.
3. If you need to paste the contact(s) several times, repeat the previous action.

Cutting contacts to the clipboard

1. Select the contacts from the list (you can select multiple contacts).
2. Press the **Cut** button, or go to **Edit -> Cut**.

Moving the contacts from the clipboard to a different location

1. **Cut** the contacts to the clipboard, then move to the section of the phonebook to which you want to move the contacts to.
2. Press the **Paste** button, or go to **Edit -> Paste**. The contacts will be pasted into the nearest unused records on the SIM card.
3. If you need to paste the contact(s) several times, repeat the previous action.

Note. Contacts can be transferred between the sections of a phonebook, or between different phonebooks.

Deleting contacts

1. Select the contacts from the list (you can select multiple contacts).
2. Press the **Delete** button, or go to **Edit -> Delete**.

Undoing your actions

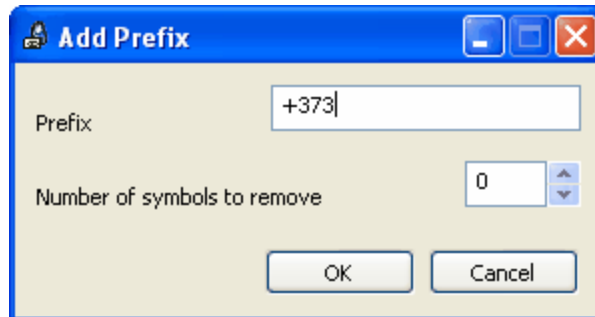
Your actions can be undone by pressing the **Undo** button. This can also be done by pressing **Edit -> Undo**.

Redoing your actions (cancelling undo)

You can redo a previously undone action, by pressing the **Redo** button. This can also be done by pressing **Edit -> Redo**.

Adding a prefix to phone numbers

1. Choose the contacts in the phonebook.
2. Click **Edit -> Add prefix**.



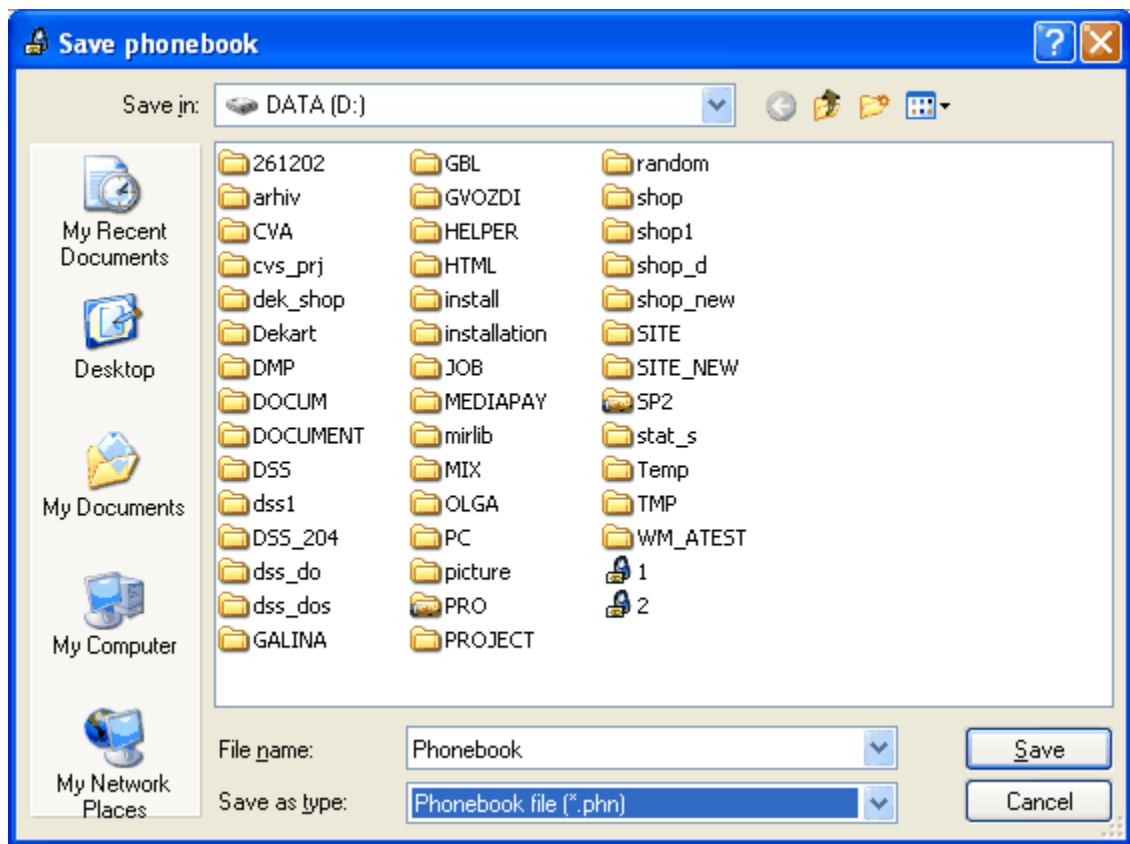
3. Enter the prefix in the **Prefix** field; if you want to replace an existing prefix, enter the number of digits to remove in the **Number of symbols to remove** field. **Note** that if the number of digits to remove is 0, then the prefix will simply be added to the existing numbers.

Note. To avoid accidental data loss, don't forget to save your phonebook to [a file](#) or to the [SIM-card](#)!

Note. You can use standard system hotkeys to perform basic operations: Copy (Ctrl+C), Paste (Ctrl+V), Delete (Del), Cut (Ctrl+X), Undo (Ctrl+Z), Redo (Ctrl+Y)

6.4.3 Saving the phonebook to a file

To save a phoebook to a file, press the **Save** button, or go to **File -> Save as...** or **File -> Save**.



Select the folder to which you want to save the file and enter its name.

Select the type of the file - the default choice is <.phn> (or the extension you chose in the program's [settings](#)), and enter the name of the file. SIM Manager also allows you to save a phonebook to a <.csv> file (which can be further processed by other applications, such as organizers and mail clients).

Note. If you wish to use the CSV file in a non-Unicode application (ex: older versions of Microsoft Excel), enable the [save CSV in current ANSI codepage](#) option in the program's [settings](#).

6.4.4 Sorting the contacts of a phonebook

The contacts of a phonebook can be sorted (in alphabetical order, or by their numbers). This can be done by clicking on the title of the column.

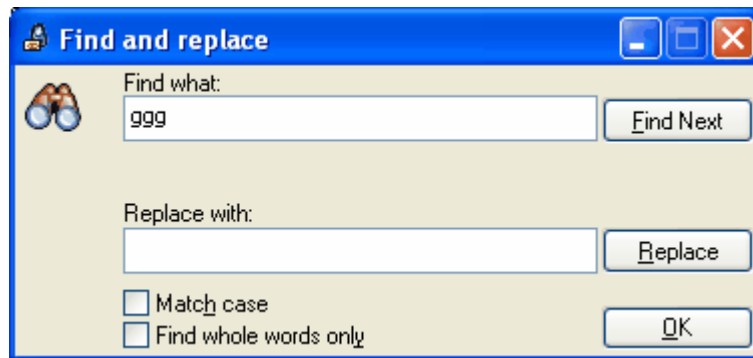
For instance, if you wish the contacts to be sorted by name, click on the title of the *Name* column. Clicking the column title again will reverse the order (ex: from A to Z, or from Z to A).

Sorting the contacts by their phone number is done in a similar fashion.

6.4.5 Using find and replace

The **Find and replace** function can be handy if you are dealing with a phonebook that has many contacts, or if there are many contacts that have similar names.

To use this function, press the **Find** button, or go to **Edit -> Find and replace...**



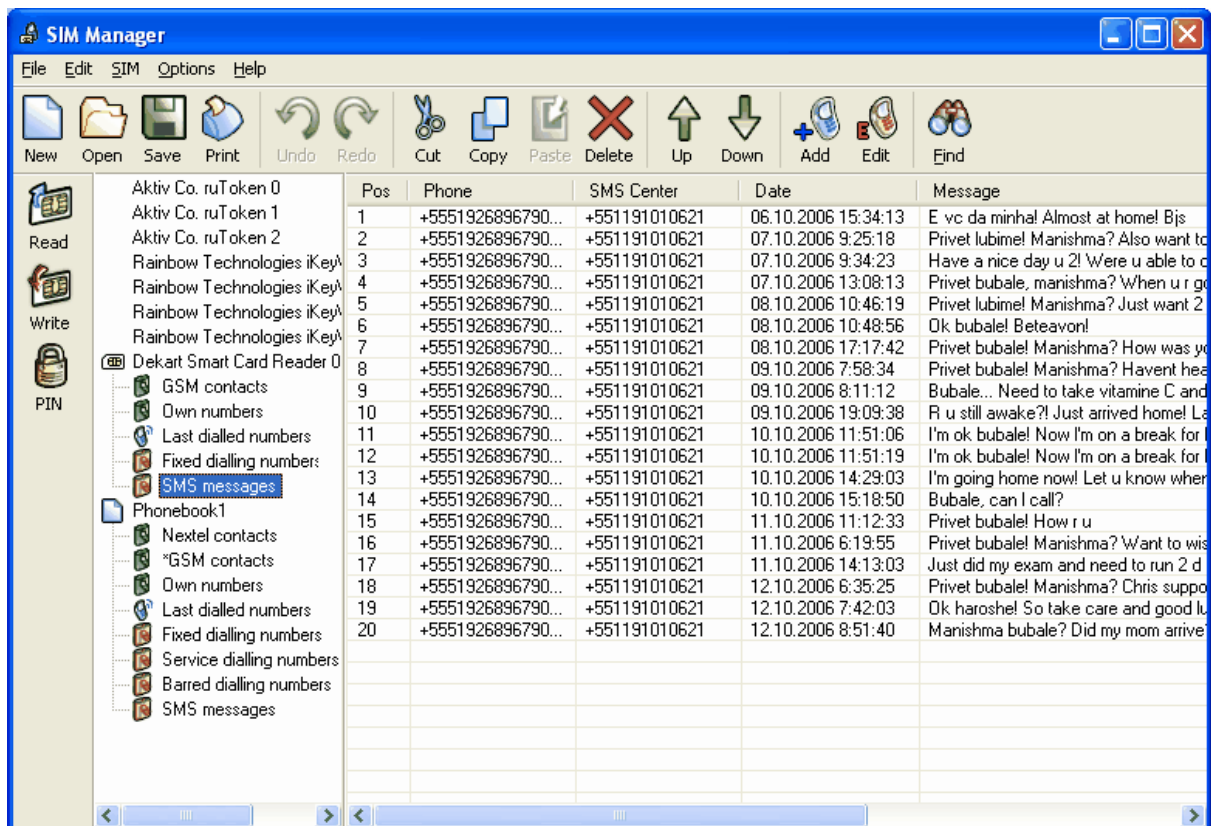
Enter the text you wish to search for, and press **Search**. You can refine the search by enabling the *Match case* or *Match whole word* options.

The found text can be automatically replaced with a different one, if you type a new value in the *Replace* field and press **Replace**. By pressing the button repeatedly, SIM Manager will find and replace other occurrences of the text.

Note. The **Find and replace** feature is convenient when you travel from one country to another. You can replace country codes in your contacts' phone numbers in a single move.

6.4.6 Viewing and editing SMSes

The SMS messages stored on the SIM card can be viewed by switching to the *SMS messages* section of the phonebook. Note that the SMSes must be [read from the SIM card](#) first.



Editing an SMS

1. Choose the SMS you wish to edit.
2. Double-click the an editable field. **Note:** the **Date** and **Position** fields cannot be edited.
3. Enter the changes.
4. Press **Enter** to apply.

Deleting an SMS

1. Choose the SMS you wish to delete.
2. Press **Delete** (on the screen or on the keyboard), or go to **Edit -> Delete**. **Note.** If SIM Manager is configured to show deleted SMSes, the deleted SMS will remain in the list of messages, but its colour will be changed to red..

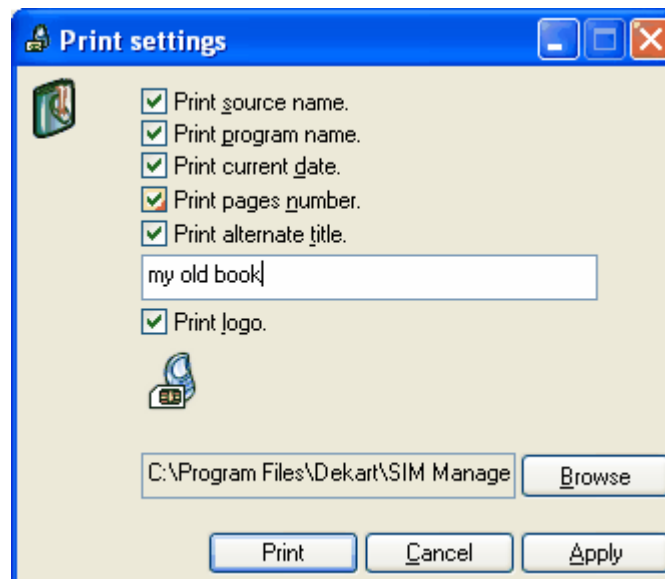
Recovering an SMS that was marked as deleted

1. Choose an SMS (shown in red).
2. Right-click the message, press **Undelete**.

To apply the changes, press **Save** (if you are working with a file), or **Write** (if you are working with a SIM card).

6.4.7 Printing the phonebook

To print out the contents of your phonebook, press **Print** on the toolbar, or go to **File -> Print....**



The following options can be set:

1. *print file name;*
2. *print the name of the application* - SIM Manager;
3. *print the current date;*
4. *print page numbers;*
5. *use an alternative title* - this can be helpful if you wish to specify some additional details about the phonebook;
6. *print logo* - SIM Manager's logo will be printed by default, but you can choose a different one by pressing **Browse**;

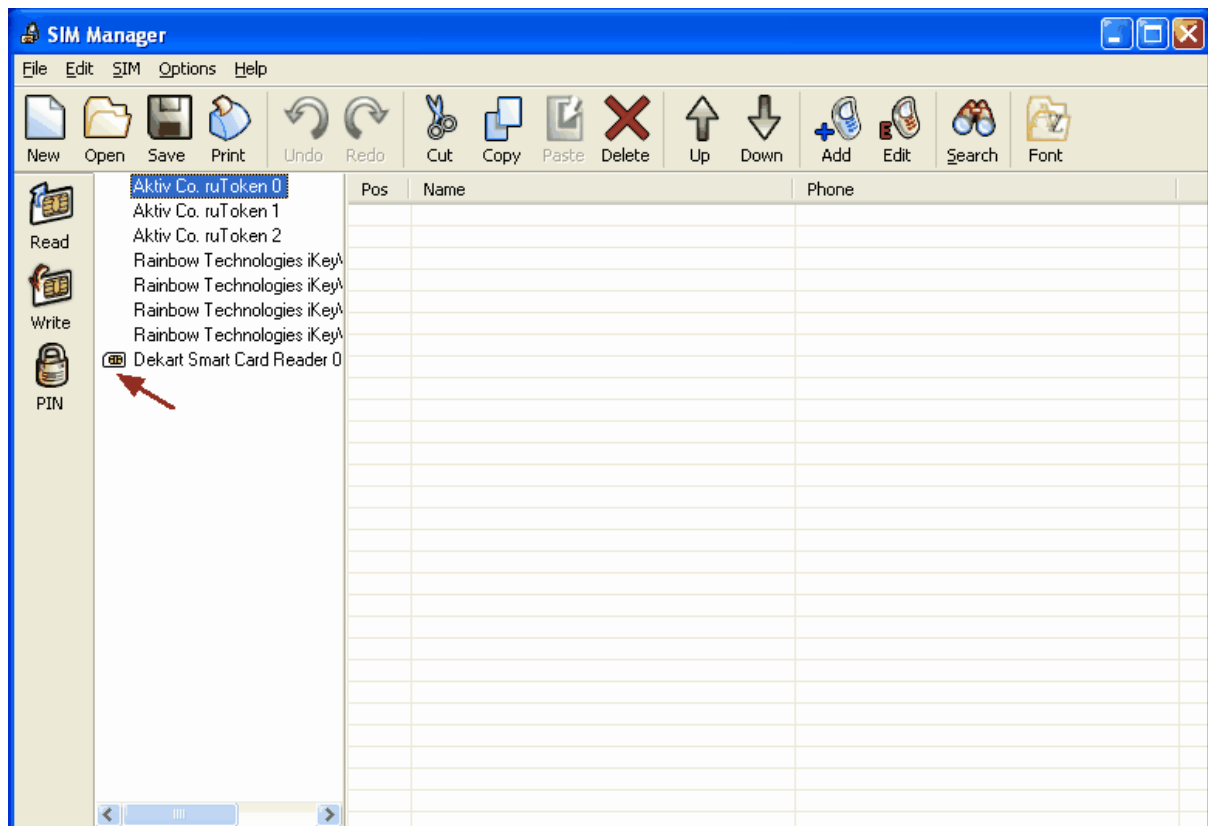
To save the new settings, press **Apply**, otherwise click **Cancel**.

Press **Print** to print the phonebook.

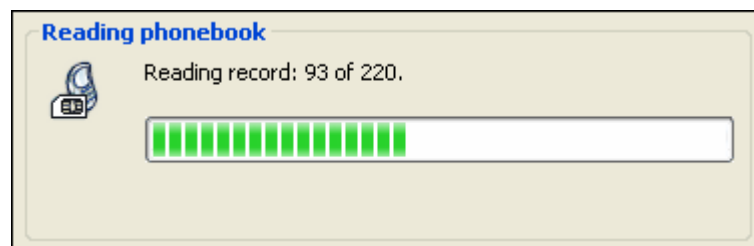
6.5 Using the SIM card

6.5.1 Reading a SIM card

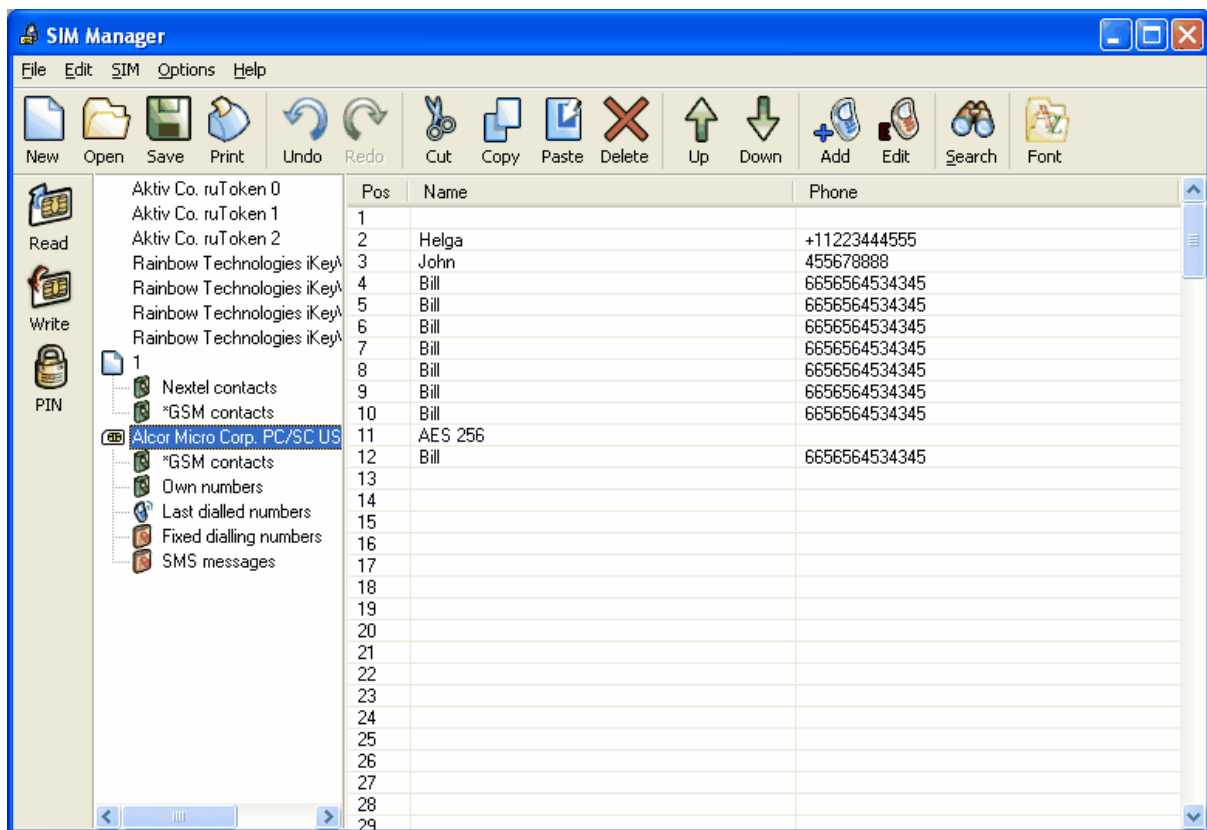
When a SIM card is plugged into the card reader, a small SIM card icon will be shown next to the reader's name in the list.



Press the **Read** button, or go to **SIM -> Read SIM**.

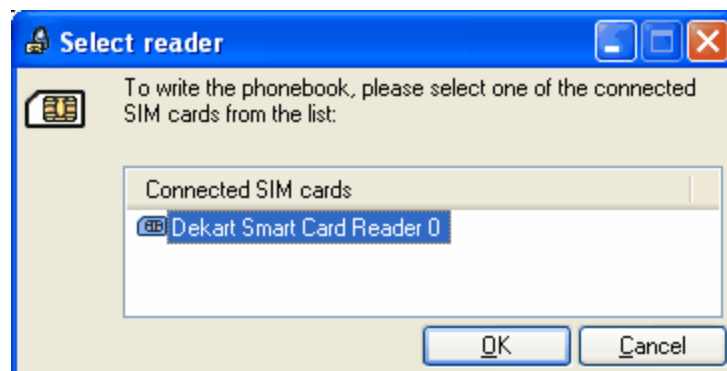


Once SIM Manager finishes reading the card, the contents of the SIM will be shown on the screen.

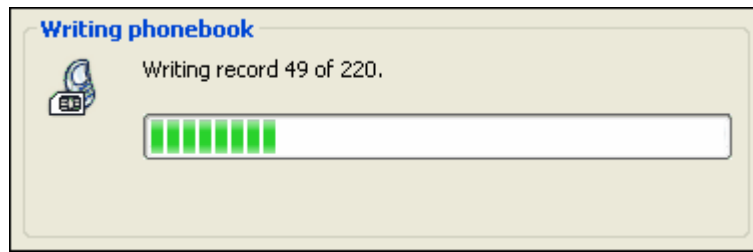


6.5.2 Writing to a SIM card

To write data to a SIM card, press the **Write** button, or go to **SIM -> Write SIM**. If multiple card readers are connected to the system, you will be asked which card you wish to write to (the readers that have a SIM card plugged in will be [shown with an icon of SIM a card](#) on their left).



Choose a SIM from the list and press **OK**. A progress bar will illustrate how much of the process is complete.



Some sections of the SIM card are protected with the PIN2; if one such section was modified, you will be asked to enter PIN2.



Enter PIN2 and press **OK**.

Note. If the code you entered is incorrect, you can try to enter it again. The bottom right corner of the window notifies you how many entry attempts there are left, several (usually three) unsuccessful attempts in a row will block the SIM card (you can unblock it later with the PUK). Keep in mind the fact that the number of attempts is limited; entering an invalid code will decrease the number of attempts by one and change the labels' style to **bold red**.

6.5.3 Changing the PIN of a SIM card

To change the PIN codes of a SIM card, go to **SIM -> Change PIN1...**, or **SIM -> Change PIN2...**



Enter the current PIN and press **OK**. You can minimize the chance of entering an incorrect PIN by

accident, if you check the *Show* option. If the PIN you entered is correct, SIM Manager will ask you to enter a new PIN, and then confirm your new choice.

Note. If the code you entered is incorrect, you can try to enter it again. The bottom right corner of the window notifies you how many entry attempts there are left, several (usually three) unsuccessful attempts in a row will block the SIM card (you can unblock it later with the PUK). Keep in mind the fact that the number of attempts is limited; entering an invalid code will decrease the number of attempts by one and change the labels' style to **bold red**.

6.5.4 Unlocking a PIN

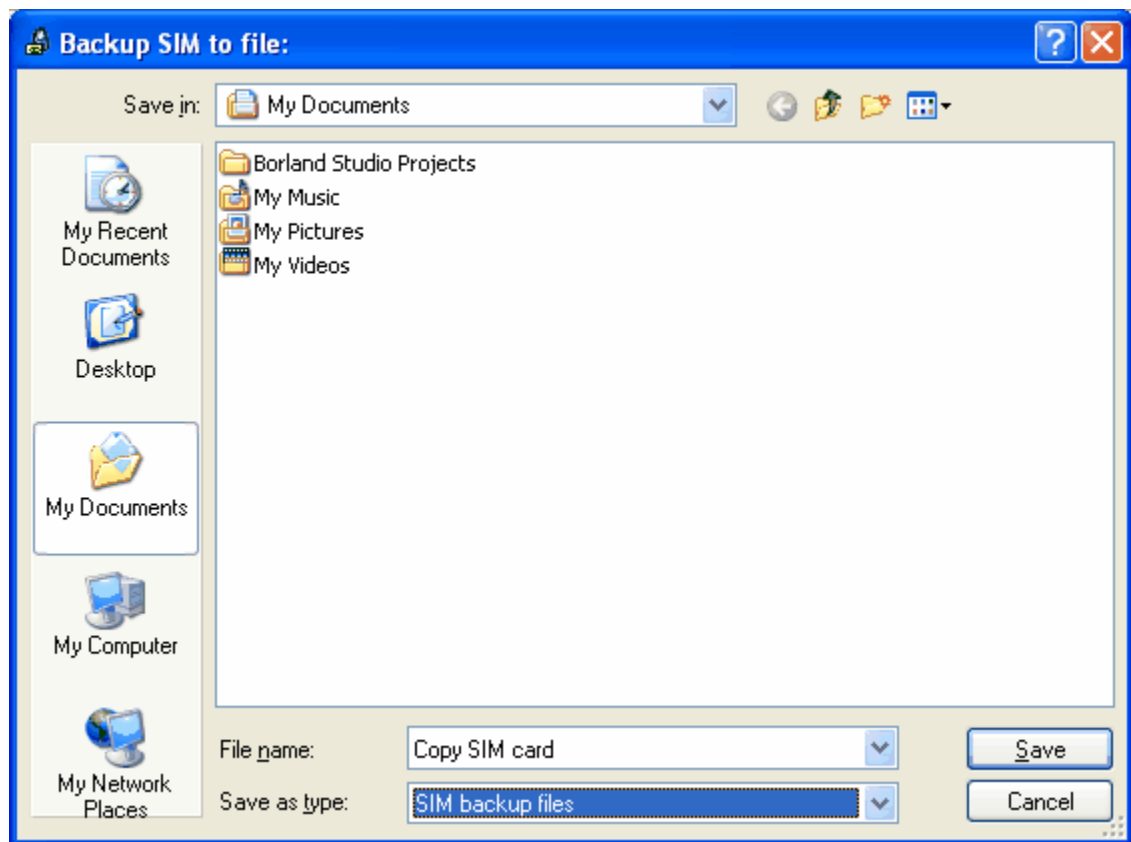
Entering an incorrect [PIN](#) several times in a row will block the SIM card. If you attempt to read a card with a blocked PIN, SIM Manager allows you to unblock the card, by entering the PUK, and then choosing a new PIN.

Entering an incorrect PUK can permanently block the SIM card!

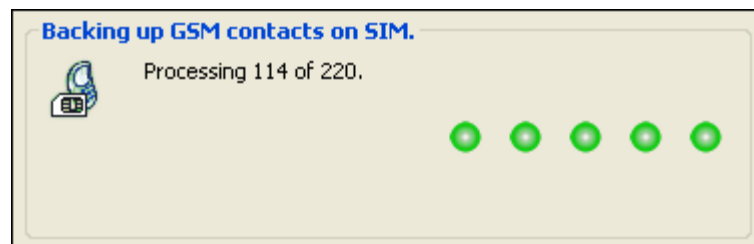
6.5.5 Creating a SIM backup

A backup of your SIM card allows you to easily recover your contacts and other details in case the SIM is damaged, or if the phone is lost or stolen.

To create a backup of your SIM card, go to **SIM -> Backup SIM...**

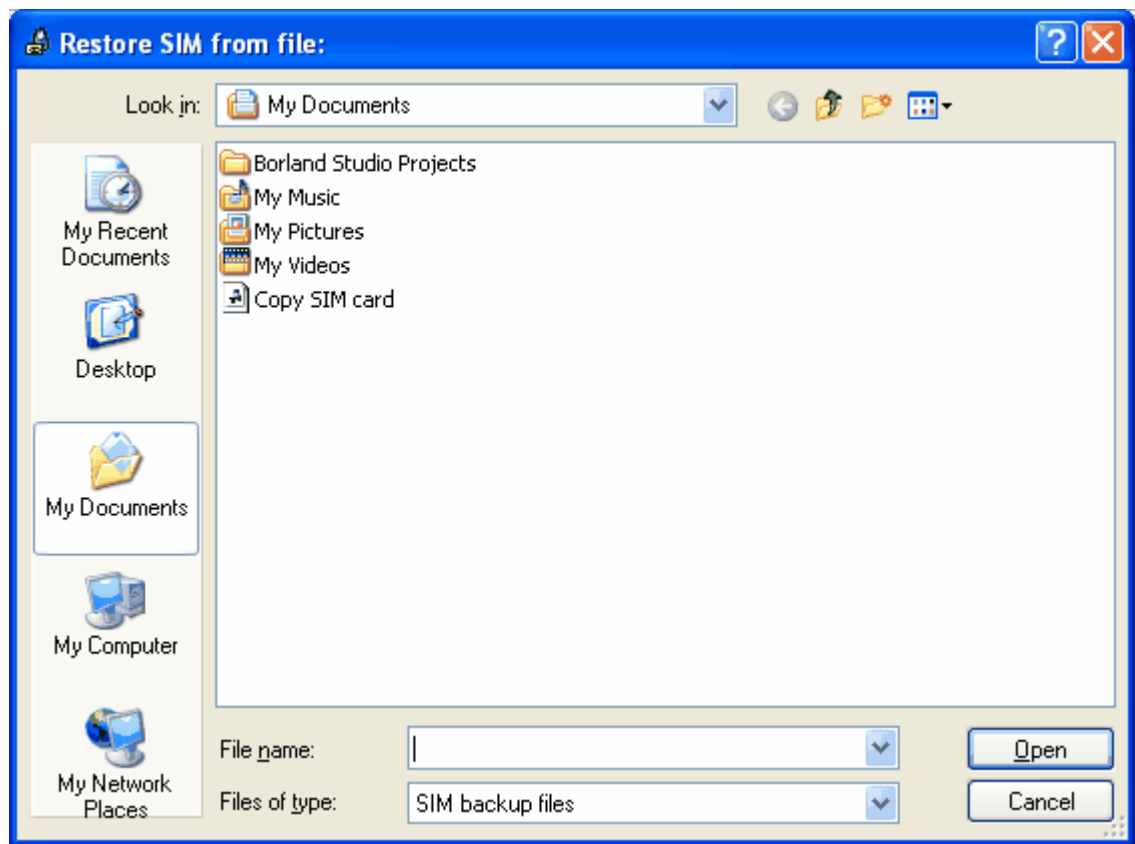


Choose the location and the name of the backup file and press **Save**. A progress bar will illustrate the status of the backup process.

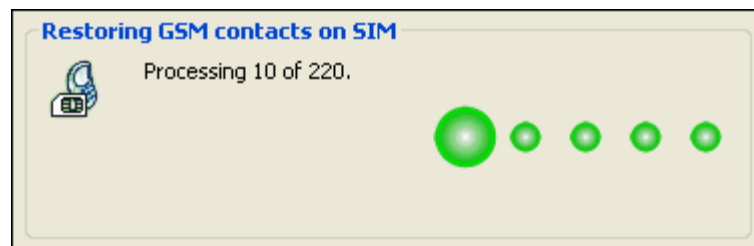


6.5.6 Restoring data from a SIM backup

To restore your data from a previously made [SIM backup](#), go to **SIM -> Restore SIM...** You will be asked to indicate the backup file which contains your data, find that file and press **Open**.



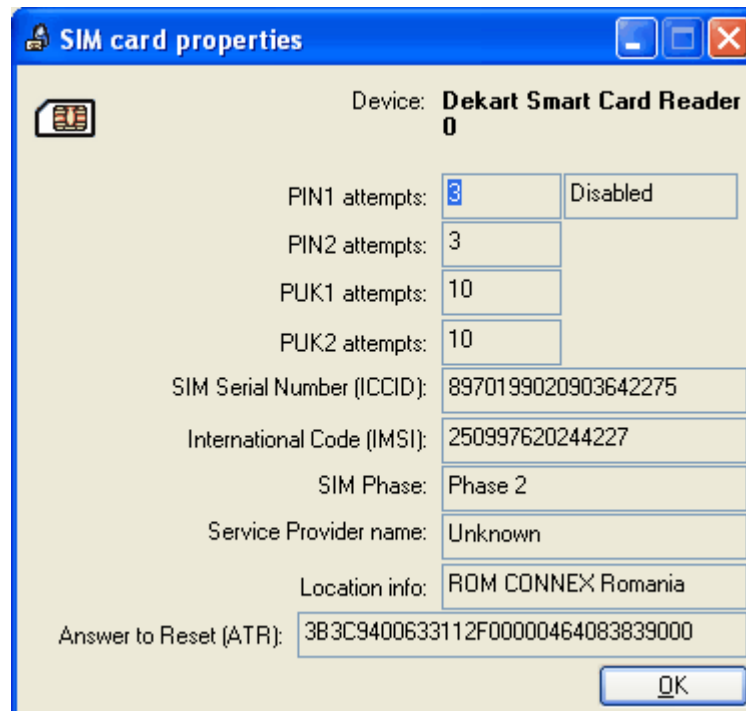
A progress bar will illustrate the status of the restore process.



6.5.7 Viewing the properties of a SIM card

SIM Manager allows you to view some of the SIM card's properties, such as the states of the PIN and PUK codes, the type of the card, the card's serial number, etc.

To view the properties of a card, go to **SIM -> Properties**.



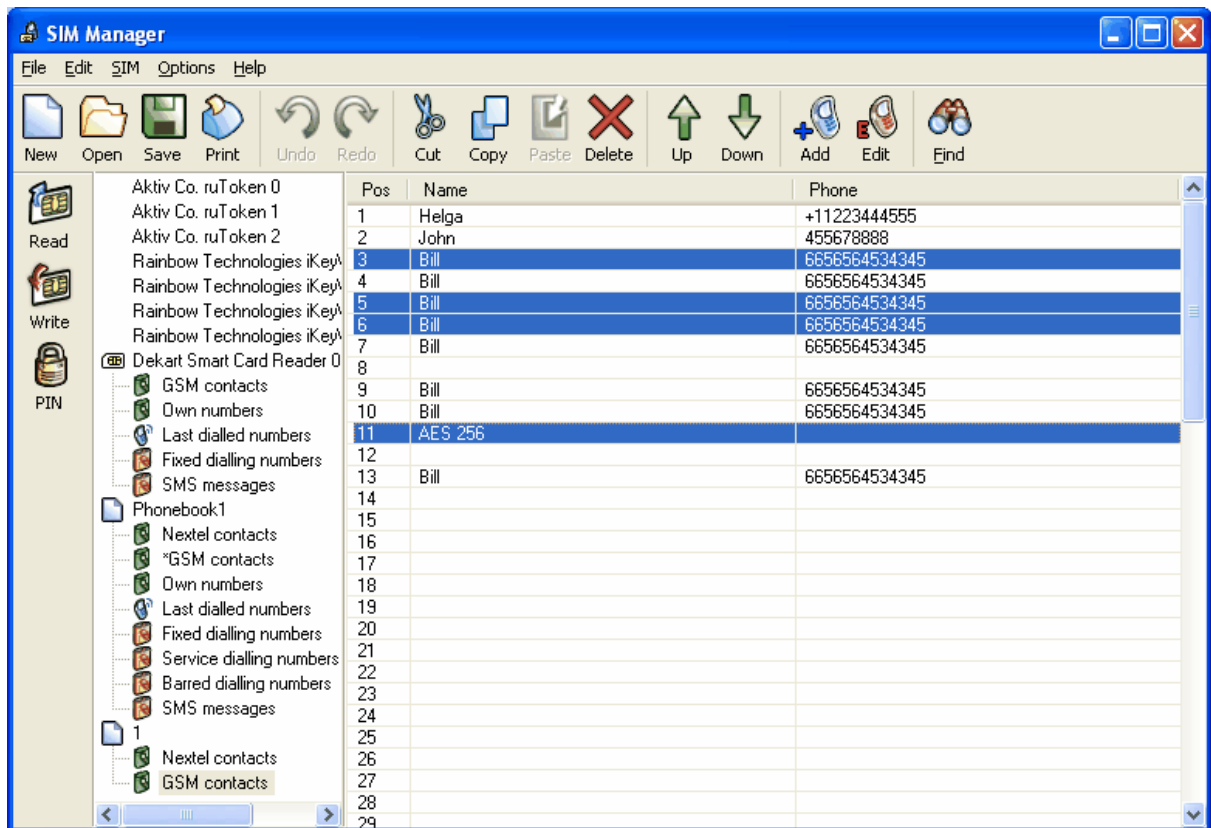
6.5.8 Closing a SIM card's phonebook

When you are done managing a SIM card, you should close it via **SIM -> Close**.

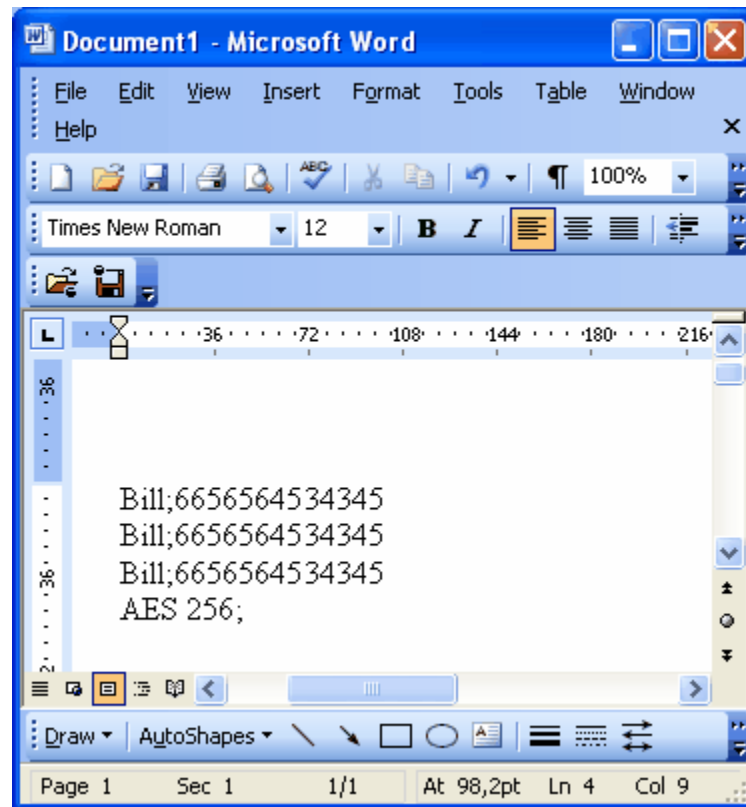
6.6 Exporting the phonebook to another application

Sometimes you might need to use the data of your phonebook in a different application (ex: Word, Excel, Palm Desktop, Eudora, Outlook, etc). SIM Manager offers several ways to do that.

1. The contacts can be selected (note that you can select multiple contacts, as shown in the picture below) and [copied to the clipboard](#), then pasted into the other application.



When pasted into the other program, the contacts will appear as a list, with one item on each line. The name of the contact is separated from the number by a semicolon ';' (as shown in the picture below).

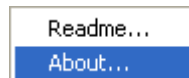


2. You can also transfer contacts into SIM Manager, by copying them to the clipboard and pasting them to one of SIM Manager's phonebooks. Note that the contacts will only be processed if they were written in a special format - one contact per line, the name is separated from the number with a semicolon - ';' (as shown in the picture above).

3. SIM Manager can also interact with other applications via CSV files. A CSV can help you synchronize the address book of your mail client (ex: Outlook, or Eudora) with the address book of your organizer (ex: Palm Desktop) and with your SIM card. For details, see [saving a phonebook to a file](#).

6.7 Viewing SIM Manager's version

To view details about the program's version, go to **Help -> About...**



The window that is shown on the screen will display detailed version information about each of SIM Manager's components.



If you are using an unregistered version of SIM Manager, the About window will look slightly different, see [Registering SIM Manager](#).

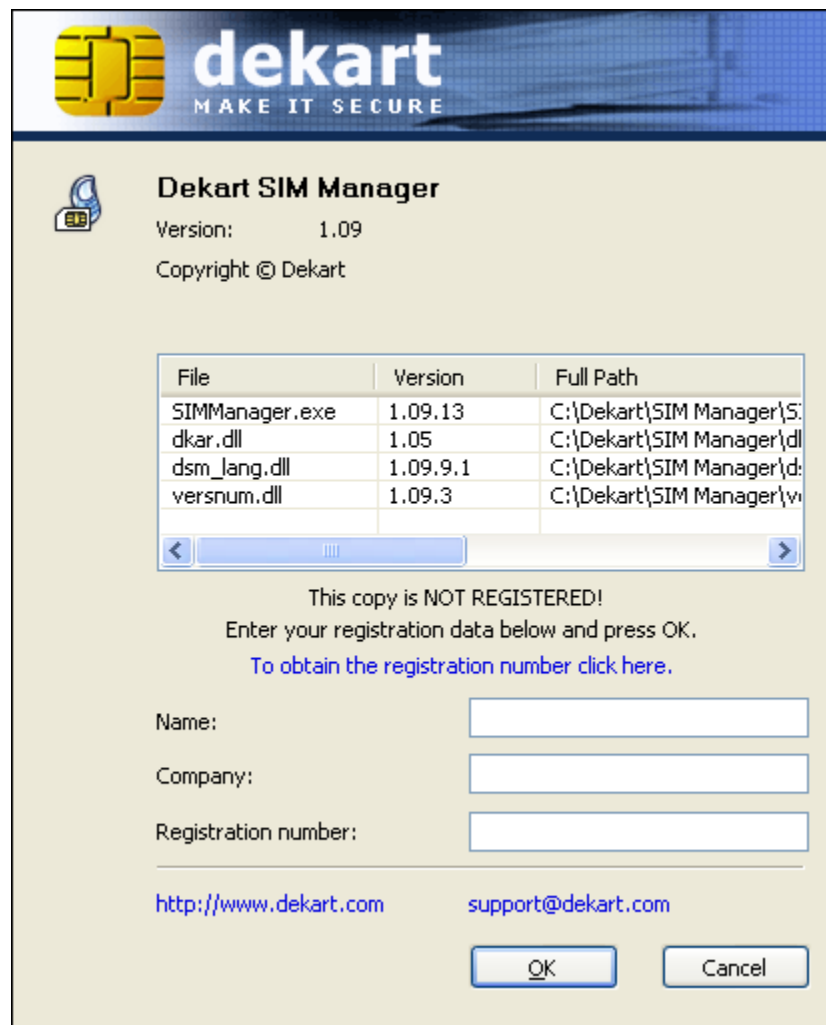
6.8 Exiting SIM Manager

To quit SIM Manager, go to **File -> Exit**, or click the program window's close button.

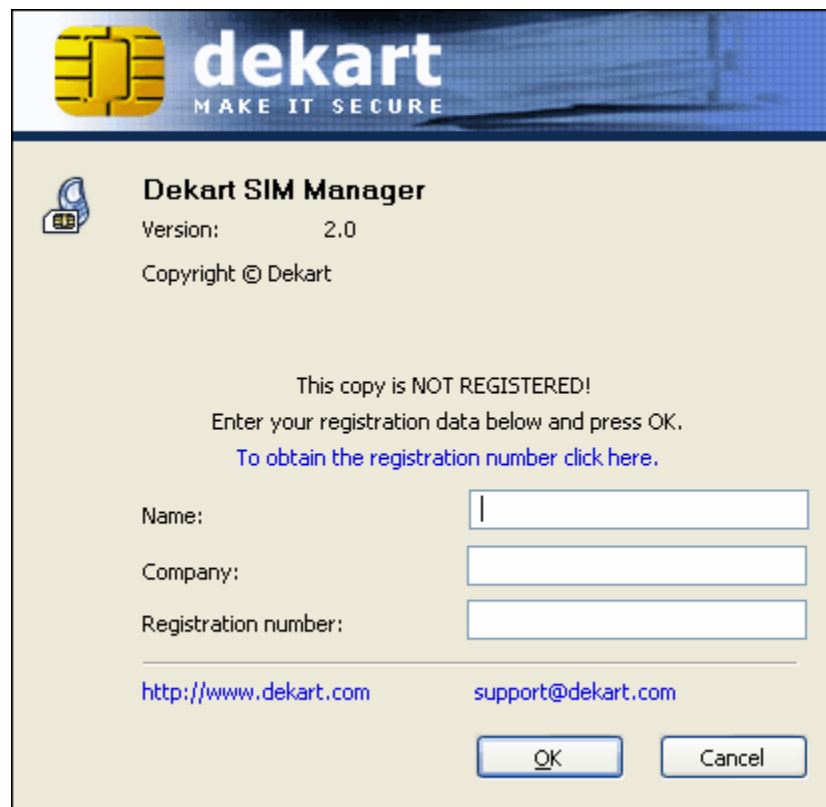
7 Additional information

7.1 Registering SIM Manager

To register SIM Manager, enter your registration information in the program's [About](#) window.



If your unregistered copy of SIM Manager has expired, the *About* window will look as the one in the picture below.



If you use a trial version of the program, please, use the Dekart [Buy on-line page](#) to purchase a registration number. After your transaction is processed, you will receive an email with the registration number.

7.2 Error messages and their meanings

Error message

You can't add a new item!

The "...\" extension is not currently associated with the SIM Manager, click OK to associate the file, otherwise click Cancel.

SIM Card blocked finally!

Suggested action

Try to make some free space on the SIM card by removing unused records.

SIM Manager is not associated with phonebook (phn) files, you can change this by pressing **OK**. Note that [this setting can be changed later](#).

The SIM card is permanently blocked and it cannot be used. The card needs to be replaced.

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