

USER'S GUIDE

SI Medi t ! 2. 0

32-bit version
for Windows 95/NT



SIMedit! — User's Guide

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Published by COMPELSON Trade Ltd.

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You can get actual information on <http://www.compelson.com>

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INTRODUCTION

All mobile phone users know the difficulty of entering data into it from a numeric keypad. We offer you a unique solution that will enable you to work with your data comfortably using a PC keyboard and to display data from the mobile phone clearly on a monitor. And this is not all.

The phone book, SMS messages and other data in your mobile phone, are saved on a smart card (SIM card), which is the heart of every GSM phone. The SIMedit! program, together with the Personal Card System peripheral, provides sophisticated editing and control of these data files.

SIMedit! offers a full range of functions for editing the contents of a SIM card, and therefore allows you unprecedented control over the contents of your phone. The system is compatible with all GSM phones.

SIMedit! provides rapid and effortless transfer of phone books from your database, Excel spreadsheet, Office applications and so on onto a SIM card, now your phone book can always be up-to-date.

Say you travel abroad and want to call your friends or business partners at home. The numbers in your phone book don't have the international dialing code - but using SIMedit! you can easily add the code to all your homenumbers.

SIMedit! allows messages received to be archived to a file on a computer disk, and also provides backup of a SIM card, so that in the event of damage or loss it is possible to restore the original data quickly. You can easily exchange telephone numbers with colleagues and friends - and do so much more.

INSTALLATION

Installing the SIMedit! program is very simple. First of all, connect the PCS peripheral to a free serial port - as with an ordinary mouse. An external power supply is not required (unless special SIM cards are used). Then simply run the software itself - SIME-DIT.EXE. SIMedit! can be run directly from diskette, or a better option is to first copy the diskette onto hard disk into any directory, and then run the program.

When the program is first run, you will be asked to select the port to which the card reader is connected. First you should try to use the "Find Reader" button. This function scans all installed interfaces to find a connected reader. Otherwise, configure using the "Setup" option on the "Other" menu.

How to Use the Plug-in Reducer

Open the connector by sliding the steel cover towards you. Insert the small SIM card into the upper lid of the connector, with the notch on the SIM card oriented towards the right. Close and secure the connector by sliding the steel cover away from you. There are arrows marked on the cover:

away from you=lock

towards you=open

You can leave the reducer in the card reader, however, ensure that the reducer is properly closed. When small SIM cards are inserted into the card reader, the connector can slip open, preventing the card from working.

PROGRAM DESCRIPTION

SIMedit! has been created with maximum emphasis on simplicity and intuitive operation. When the SIMEDIT.EXE program is run, the main menu becomes available, with the following options :

- Phone book
- SMS messages
- SIM card
- Edit
- Window
- Other

The toolbar provides the following tools:



If you move the cursor over the tools and stop for a moment, tool names will pop-up (click on the main SIMedit! window, if other windows are active - the help is disabled).



Open File

Loads a phone book file or an SMS messages file into the active window. Otherwise a new window will be opened automatically for the data.



Save File

Saves the contents of the current window (or the contents of a selected block) into a nominated phone book or SMS messages area.



Edit Phone Book

Opens an empty window for phone book editing.



Another Phone Book Window

Opens another phone book window. Up to three windows can be opened at once. You can easily transfer or copy data between these windows.



Edit SMS Messages

Opens an empty window for SMS messages editing.



Another Window for SMS Messages

Opens another SMS messages window. Up to three windows can be opened at once. You can easily transfer or copy data between these window.



Enter PIN

Used to enter PINs to gain access to SIM cards. For more information refer to the manual.



Find/Replace (F7)

Used to search and make replacements within a phone book. For more information refer to the manual.



Find/Replace Next

Finds or replaces next item matching your search criteria.



Insert Item

Inserts an item in to the current position in a phone book or SMS messages list. All other items are moved down one position. If the last item space is occupied, the operation will not be executed.



Delete Item

Deletes the current item in a phone book or SMS messages list. All following items are moved up one position.



Clear Selected Items

Clears selected items with no change of their order.



Internationalize Phone Book

Automatically converts phone book numbers to the international format.

"PHONE BOOK" MENU

The commands in the phone book editor allow you to work easily and flexibly with the phone book on your SIM card.

Edit phone book

When you choose this function, a window opens for editing of the phone book. An item number is displayed in the window, as well as the name and telephone number. If "Automatically read SIM" is selected, ("Other" menu, "Setup"), then the contents of the inserted SIM card will start to load as soon as the window is opened.

Any change of edited entries is marked by an asterisk next to order numbers.

By clicking on the column titles "Nr.", "Name" or "Tel. number" the displayed list can be **sorted** according to the chosen column. Therefore, if you wish to sort the list by telephone numbers, simply click on the title "Tel. number" and it will be marked by an arrow. The highlighting allows you to determine the current sorting criterion. Sorting is performed on the screen and does not change the original position of the items on a SIM card. That means that even after writing to a SIM card, the order of the items on the card will not be changed. Use the "Sort" button instead to make order changes on a SIMcard.

Functions of individual buttons:

"Read from SIM" button

This loads the phone book from a SIM card into the editor, overwriting the current contents of the edit window.

"Write to SIM!" button

This writes the phone book from the editing window to a SIM card. You will be informed of the progress of the transfer by a window displaying the amount of the data currently being and remaining to be transferred.

"Edit" button

This allows you to modify a selected entry in a phone book. This function can also be activated by double-clicking on the required entry or by pressing the *Enter* key. The function allows you to change the names and numbers of subscribers and the order of entries in the phone book. By changing the order of entries, it is easy to move a record to any position in the phone book.

If you have chosen to edit an existing entry, the whole block of text in the name is selected. If you insert any character, the text will automatically be overwritten. If you wish to avoid this, first press one of the *Home*, *End*, or *cursor* keys. If you have already deleted some text by mistake, click on the "Close" button and select the editor again to reload the phonebook without saving the deletion.

"Find" button

This allows you to search for a string in the phone book. Your search criteria may include: the name of number of a subscriber or both. Part of a name or telephone number is usually enough, also, It does not matter whether the text is written in upper or lower case. This function can also be used to easily replace or extend any part of the name or telephone number of a subscriber. For example, when working with international dialing codes. You simply fill in the "Replace with" item after you clicking on the "Replace" button. Every string found will then be replaced with the new one specified. Before every replacement, you are given the opportunity to confirm the operation or use the "All" button to replace all remaining occurrences without confirmation.

You can also define searches names or telephone numbers. Selecting "Dialing code" restricts search and replace to the first few digits of a phone number, regardless of whether they form a dialing code or not.

Tip

If you have numbers in your phone book with the dialing prefix "00", replace them with the "+" character using the function described above. You will then be able to call from abroad reliably because some countries have a different prefix to "00". The symbol "+" enables universal dialing. This and other required changes can be performed using Internationalization in the Phone Book menu.

"Sort" button

This sorts all or part of the phone book alphabetically by subscriber name. After storage on a card, the entries become physically reordered.

"Add Code" button

This adds the "+" character and the entered number in front of all telephone numbers which do not contain the symbol "+". You can also choose an international dialing code from the built-in database. If you delete the predefined character (+), you may add numbers and special codes with the "#" and "p" characters.

Tip

Add the international dialing code of your country (e.g. +61 or +1) to all domestic numbers. The numbers will be in international format. You will then be able to phone home even from abroad. Otherwise, the numbers will not work. This and other required changes can be performed using Internationalization in the Phone Book menu.

"Clear All" button

Deletes the whole phone book, therefore making all items blank and available.

"Close" button

This closes the dialogue window. If any changes have been made, a warning will be displayed before the window is closed.

You can also use the the following function keys (also accessible from the toolbar):

- Ins* Insert - inserts an entry into the current place in the phone book. All other entries will move down one place; if the last item position is occupied, the operation will not be executed.
- Del* Delete - deletes the current entry from the phone book. All subsequent entries will move up one place.
- F7* Find/Replace - continues searching or replacing in the phone book.

Tip

To transfer or copy an entry or entry block, perform the following procedure: Drag an entry to a required position. If you press and hold *Ctrl*, the entry will be copied. (When coping or transferring a selected block, empty positions are also copied/moved if selected.) If you drop an entry into another window, it is automatically copied. You may also drag within a single window.

Open File

Loads a phone book in to the editor from a file with a *.DIA extension. You will find more details further on in this guide.

Warning

A file must not contain diacritical characters. Neither a GSM telephone nor SIMedit! can process these characters.

Save File

This saves the whole phone book or a selected block to a file with the *.DIA extension.

These files are in a very transferable format - a text file with tabulator characters as separators. Because of their simple format, they can easily be processed further, for example with in spreadsheet programs, database systems or in text editors.

Importing into and Exporting from Excel

In SIMedit!, write the phone book to a file with the extension *.TXT. In Excel, choose "Open", and in the resulting window set the file type to *.TXT and confirm the opening of the file. You will then be asked to confirm the import parameters. Tick the Tabulator character as the separator, then mark individual columns as Text (the default is General - a telephone number in the format 3.56E6 isn't too useful). You should now see the contents of your phone book in spreadsheet form. After carrying out any changes, save the file. It will be saved automatically in the original text format, so you can read it back into SIMedit! (beware, you will need to change the file extension) and write it to your SIM card.

Importing into other applications which support tab-separated text entries is similarly easy.

Warning

Phone book entries may not contain any special characters, and especially no diacritical characters.

File format

Every item in the file has three parts corresponding to columns in the editor, separated by tab characters. Individual items are separated by new line characters.

Schematic file format description:

```
<Sequence number of first item> <tabulator>  
<Name> <tabulator> <Tel. no> <cr> <lf>  
<Sequence number of second item> <tabulator>  
<Name> <tabulator> <Tel. no> <cr> <lf>  
.....
```

Add from File

This imports a saved phone book into the book already loaded into the editor, at the current position. You can also define, whether or not blank entries should be added, to allow spacing between contacts.

Tip

If you wish to transfer some telephone numbers to a different card :

1. First save the numbers you want to transfer
2. Insert the SIM card to which you want to transfer the contacts to.
3. Place the cursor on the position at which you will add the contacts
4. Use the "Add from file" function.

New Phone Book

Opens a new window with an empty phone book.

Internationalization

Automatically converts phone book numbers to the international format. The "00" prefixes are replaced with the international dialing code "+". All numbers beginning with 0 are provided with a local country code and "+". Other numbers are left unmodified.

An example of conversion:

00420123456	->	+420123456
0602123456	->	+420602123456
123456	->	no changes

"SMS MESSAGES" MENU

SMS is an abbreviation for Short Message System. These messages are something like a mobile analogue of telegrams. SIMedit! allows you easily to create, edit, archive, save or read messages. We are sure you will soon appreciate it's flexibility and ease of use.

After writing messages to a SIM card and inserting the card into a phone, you can easily send your prepared messages to their intended recipients.

For sending messages a telephone needs three pieces of information :

1. The message text.
2. The SMS center number, This is a special number of a service for sending SMS messages. It is given by the operator of the GSM network (eg. Telstra: +61418706700, Optus: +61411990000), but you can also use the SMS centers of other operators. You can set up this number globally either In your mobile telephone or through SIMedit! ("Other" menu, "SMS parameters").
3. The telephone number of the intended recipient of the message.

The SIMedit! program requires only that you enter the message text. You can easily set the other parameters on your mobile phone.

Tip

We recommend that you save frequently-used messages on the card, which you can then always send quickly, for example:

I will be arriving late, my apologies. Paul
Anderson

Call me as soon as possible! Paul

Don't come today, the meeting is cancelled.
Paul

I'll be home late this evening, the meeting's
overtime. Sorry sweetie. Paul

Edit Messages

The main window contains a list of all messages. Their number depends on the particular SIM card (usually it is 10 messages). In the list are the message parameters in abbreviated form and part of the message text. In the "When" column there is either the date or the validity of a message depending on the message type ("Status" item). If the message is "Sent" or "To be sent", then the time of validity is displayed, otherwise, the date and time the message was received will be displayed.

The "SMS center" field displays the number of your operator's center, through which the message was sent. The intended recipient of the message is shown in the "Tel. no" field.

If you select individual messages in the list, you will see the text of the message and also all of its parameters in unabbreviated form in filled-in fields. There is a more detailed description of the meaning of these parameters later in this guide.

In addition, you can use the following function keys (also accessible from the toolbar):

Ins Insert - inserts an entry into the current place in the list. All other entries will move down one place; if the last item space is occupied, the operation will not be executed.

Del Delete - deletes the current entry from the list. All subsequent entries will move up one place.

Tip

You can also edit a message by double-clicking with the mouse or by pressing the *Enter* key.

Functions of individual buttons:

"Read from SIM" button

Loads all messages from a SIM card in the editor.

"Write to SIM!" button

Saves messages from the editor to a SIM card. If you do not save a message, the changes will stay only in the editor, without changing the SIMcard.

"Edit" button

This allows you to change the text and parameters of existing messages. If it is used with an empty position in the list of mes-

sages, it then creates a **new message**. You may then write the new message to the SIM card and send it.

"Text" item

In the text area you edit the message content itself. The maximum message length may depend on the particular card, provided by the relevant service provider, that you use. SIMedit! automatically determines this information when reading the card, and ensures that a maximum length is set when you create a message on your computer.

The Message field shows the number of characters in a message. This gives you precise control over the length of messages created. The "Text" item is the only compulsory item. The others are not required by the SIMedit! program.

If you have chosen to edit an existing message, the whole block of message text is selected. If you insert any character, the text of the message will be automatically overwritten. To avoid this, first press one of the *Home*, *End*, or *cursor* keys. If you have already deleted some text by mistake, click on the "Close" button and select the message editor again to reload without over writing.

Home and *End* take you to the beginning or the end of the message.

"Phone number" item

Here you enter the telephone number of the intended recipient of the message. This item is not compulsory. Some telephones (e.g. the Ericsson GH388) do not allow this item to be used, and you will always have to enter the number using the telephone when sending. Try out your telephone, because this function may be very useful for you, especially together with the function of the next button.

"From Phone Book" button

This fills in the telephone number position with the currently-selected number in the "Phone book" window. It enables you to enter the numbers of the intended recipients of messages easily from the phone book.

"Details" button

This allows the properties of SMS messages to be modified.

The items are filled with default values before you create a new message. You can set these values globally on the "Other" menu, using "SMS Parameters".

"SMS Center" item

This is the number of the center providing the service for sending SMS messages. It is possible to set this for each message individually. This is because you can use various foreign centers, which offer different and interesting services. Ensure you enter the number correctly, otherwise the sent message will not be delivered.

Using the "From phone book" button, you can enter the currently-selected number from the phone book window into the "SMS center number" position. This enables you to choose from a set of several SMS centers which you create in the phone book.

"Date/Validity" item

The displayed item depends on a message status. If a message is sent or ready to be sent, the validity time is displayed, otherwise the date and time a message was received is displayed. The switches define how long the operator will keep trying to send your message until it is successfully delivered. The maximum time of validity may vary with different operators.

"Status" item

- *Read* - message has been received and also read on the telephone
 - *Received* - message has been received, but not yet read on the telephone
 - *Sent* - message has already been sent
 - *To be sent* - message has been created and is ready to send.
- This is the status of every newly-created message

Tip

You can use various foreign SMS centers, each offering different and interesting services.

Tip

You can obtain up-to-date information about mobile phone network service providers, SMS centers, mobile telephones and much more at the Internet addresses <http://www.mobileworld.org>

and <http://www.gsmag.com>. We also recommend specialized magazines dealing with mobile communication.

"Clear All" button

This deletes all SMS messages in the editor.

"Close" button

This closes the dialogue window. If any changes have been made, a warning will be displayed before the window is closed.

Open File

It loads an SMS message into the editor from a file with the default *. SMS extension. It is also possible to load files from an archive with the *. SMA extension, though only relatively small files. To load larger SMA files we recommend other applications - for example Excel. For importing into and exporting from this program see "Phone book".

Warning

A file may not contain special diacritical characters. Neither a GSM telephone nor SIMedit! can process these characters.

Save File

This writes SMS messages to a file with the extension *.SMS. The position of a message is also saved. The file is in a well transferable format - a text file with tabulator characters as separators. Therefore, it can be processed further, for example in a spreadsheeting program, a database system or in a text editor. The file format is similar to that of a phone book.

Add to File

This adds all messages from the editor to then archive file with the extension SMA. Blank entries are not stored, i.e. the positions of entries are not retained.

Tip

Store messages in the archive and delete them from the card - you will have more space for further messages.

SMS Parameters

This function allows you to set the telephone number of the SMS center for sending messages, and the time of validity of a message sent. The information entered here is used by SIMedit! and by a mobile phone when creating new SMS messages. These parameters become the default values which will apply to every newly-created message. If you want your messages to always have a validity of one day, you can set it with in this window. You can also store these parameters in your phone, which will then also use them as default values, (this function may not work with every phone).

"SMS Center" item

The number of the SMS center is given out by the operator of your GSM network. Ensure you enter the correct number, otherwise the sent message will not be delivered.

"Validity" item

This specifies how long the operator will keep trying to send your message until it is delivered.

"From phone book" button

This takes the currently-selected telephone number from the "Phone book" window. When the button is pressed, the SMS center field is overwritten.

"Read from SIM" button

This reads in the telephone number of the SMS center and the time of validity of a message from the SIM card. This data is used when sending a message from a mobile phone.

"Write to SIM!" button

This records on the SIM card the SMS center number and time of validity of the message.

"OK" button

This closes the window and stores the settings in the SIMedit! configuration file.

"Close" button

This closes the window, without saving new settings in the SIMedit! configuration file.

"SIM CARD" MENU

Enter PIN

This command opens a window used to enter PINs for a selected SIM card. The number required is identical to the number entered after you have switched your telephone on. By entering PINs, you can work with the phone book and SMS messages. Generally, a PIN may consist of up to 8 characters, with a minimum of 4 characters. PINs may be switched off, and are then not required. Be careful when entering a number. A standard SIM card, if you make three unsuccessful attempts, will be automatically locked. Then, you would be required to unlock the card using a PUK code. If correctly entered, the PIN is no longer required for the following SIMedit! operations with the card. If you change a SIM card without closing SIMedit!, you should use this function to enter the required PIN number of the new card.

If you do not use this function to enter PINs, SIMedit! will automatically require them later when attempting to use other cards.

Backup Card

This command reads a SIM card's contents and saves them in a *.SIM file. All items, which are editable with SIMedit!, will be backed up. These are: a phone book, SMS messages and settings for SMS messages.

Restore Card

This command restores the SIM card's contents saved in a *.SIM file. The file is created using the Backup Card command.

Open Backup File

The command loads and displays the contents of a SIM backup file. You can view the data before you decide to load it onto the SIM card. Before using the command, close all windows. Select the command. Two windows will appear: Phone Book and SMS

Messages. The window for SMS parameters settings does not open automatically, though its contents are also updated.

Information about SIM

When you select this function, you will see the following information about the inserted SIM card:

Serial number of SIM

This is the unique number of the SIM card. Each SIM have a unique number - no two are the same.

International code of user

This is the globally unique network number of the GSM network user. This number is issued when you are registered as a user by the GSM network operator.

SIM Phase

This is actually the version ("phase" in jargon) of the SIM card. The most common is currently phase 2, phase 1 is rare.

PINs

Further items display information about SIM card security access codes. The "Supported" column tells you if the SIM card supports a particular security code. The next column, "Limit", displays the number of mistakes permitted when entering codes. The "Active" column tells you whether a PIN is required at all for working with the card.

	Supported:	Limit:	Active:
PIN1:		3	Yes
PIN2:	Yes	3	
PUK1:	Yes	10	
PUK2:	Yes	10	

Charging

The Charging group displays information about costs and tariffs. The support of your GSM network operator is necessary for the correct display of this information. If this information is not available, question marks will be displayed instead.

The Parameters group shows card's capacity to store a phone book and SMS messages and the maximal number of characters for names in a phone book.

"EDIT" MENU

Insert Item *Ins*

Inserts a blank item in the current position in a phone book or SMS message. All other items will be moved down one position. If the last item space is occupied, the operation will not be executed.

Delete Item *Del*

Deletes a current item from the list and all other items are moved up one position.

Copy *Ctrl+C*

Copies a single item or selected items onto the clipboard. Available in phone books and SMS messages.

Cut *Ctrl+X*

Removes a single item or a selected group of items and saves them to the clipboard. Available in phone books and SMS messages.

Paste *Ctrl+V*

Pastes item (-s) onto the clipboard at the current position. If the current items are not blank, their contents will be replaced with those of the clipboard.

Select

Use this command to select an item block for further processing. You can do this directly using the cursor keys, the mouse and *Shift* (for continuous blocks) or *Ctrl* (for separate selections).

If you select a block of items and activate any function requiring an interval to be entered (eg. Sort, Save to file etc.), an interval will be automatically acquired for the selected block.

Select All *Ctrl+A*

Use this command to select all items in a list except blank items.

Drag&Drop

To move an item or selected items, do the following: Using the mouse, drag an item to a required position. If you press and hold *Ctrl*, the item will be copied. If you copy or transfer a selected block, empty positions are also copied/moved if selected. If you drop an entry into another window, it is automatically copied. Entries may also be dragged within a single window.

Tip

You can quickly copy all Telstra numbers in your lists from a single SIM card plus other numbers, e.g. Sydney numbers from another card, plus Telstra mobilnet numbers from your database. For this, do the following:

Open three empty phone book windows. In the first one, load your SIM card. In the second one, load the file with Telstra numbers and in the third one, load the contents of the SIM card with Sydney numbers. Sort the items in the second and third window by phone numbers. To do this click on the Tel. number column heading. Select numbers beginning with +61418 and +6102. Then drop the selected blocks in the required position in your list.

”WINDOW” MENU

The following functions allow you to open windows, access and close them with great flexibility.

Phone Book

Opens a selected window with a phone book. Up to three phone book windows may be open at once.

Phone Book - Next

Opens another phone book window.

SMS Messages

Opens a selected window with SMS messages. Up to three windows may be open.

SMS Messages - Next

Opens the next window with SMS messages.

Close All

Closes all open windows. If a change was effected and you are authorized to confirm these changes, you may choose to confirm them before the window is closed.