SAGEM RT1000-V2
Fixed GSM Phone

User Manual

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The contents of this manual and technical specifications can be changed without notice.

The description of specifications in this manual does not constitute a contract.

Safety Notes

General: Please read this manual carefully before using the device. The device is for indoor use only. Keep the device out of the reach of children, especially infants. Do not expose the device to moisture, splashes, drips or spray. To avoid the risk of demagnetisation please do not store diskettes, credit cards or similar objects in the vicinity of the device.

Purpose: The sole purpose of the device is to make telephone calls through the GSM radio networks. Use of this device for any other purpose is prohibited and can be dangerous.

Installation: Do not switch on the device if any cable or the device itself is damaged. Never use the device in areas where radio transmission is prohibited.

Health: The device contains a radio transmitter which may affect the operation of medical electronic devices such as hearing aids or heart pacemakers. Your doctor and the manufacturer of such devices can provide you with further advice.

SIM card: Please turn-off the device before you enter or remove the SIM card.

Power supply: Only use the manufacturer's original power supply units. Take care that the Power Supply is always easily accessible. The voltage specified on the rating plate of the power supply unit must match that of your mains supply. Disconnect the mains plugs of all devices during thunderstorms.

Battery: The device is equipped with a rechargeable or non-rechargeable battery. The battery only serves for short-term bridging of power failures. In case of changing the battery being installed in the device please take notice of the following:

To exchange the rechargeable or non-rechargeable battery you need to remove the battery cover. Before removing the battery cover, please make sure to unplug the charger or plug-in power supply. After the installation of the battery, close the cover again in the right position.

Caution! Danger of explosion during inappropriate replacement of the battery!

The battery must not be short-circuited. If the device is removed from service or during works on it, all connections of the battery are to be disconnected.

When replacing the battery, do not dispose of it in the household refuse, but dispose of it properly, in accordance with the local facilities and regulations.

IMPORTANT USER INFORMATION

FCC Part 15

This equipment with the delivered antenna has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer / installer or an experienced radio/TV technician for help.

FCC part 15.19

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC part 15.21

Modifications not expressly approved by SAGEM could void the user's authority to operate the equipment.

RF Exposure mobile

Keep distance !

Typically, the antenna connected to the transmitter is an omni-directional antenna with max. 3dBi gain. Using this antenna the total composite power in PCS mode is smaller than 1 watt ERP.

The internal / external antennas used for this transmitter must provide a separation **distance of at least 20 cm from all persons** and must not be co-located or operating in conjunction with any other antenna or transmitter."

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1 Preface

Welcome to use this fixed GSM phone, the SAGEM RT1000. In order to use it correctly, please read carefully this manual.

This telephone provides similar services as a desktop telephone for PSTN (Public Switched Telephone Network). But it doesn't need a telephone line: instead of being connected to the PSTN, it provides access to a GSM network through a radio link.

It can be used everywhere so far there is a GSM coverage.

This telephone is delivered with a small external antenna. In areas far from the GSM base station, this antenna can be replaced by a high gain antenna connected to the SAGEM RT1000 by a coaxial cable. In the case of an outdoor antenna, lightning protections shall be used and installed by professional staff according to rule book.

2 Technical characteristics

Frequency band

The SAGEM RT1000 can work in one or several of the following frequency bands, depending on the version:

EGSM band:	900 MHz
DCS band:	1800 MHz
PCS band:	1900 MHz.

The 900/1800 MHz GSM functions are not operational in U.S. territories.
The FCC certification is only applicable for PCS 1900 MHz operations.

Screen

128*64 pixels, valid visible area 58 * 35 mm^2

Back-light

LED back-light for LCD screen: green color.

Call modes

Two modes: hand-free or handset mode

Possibility to pass from hand-free mode to handset mode, and vice versa, during a call.

Key

23 keys

Battery

Depending on the model of SAGEM RT1000:

Non-Rechargeable: Alkaline: 4 x 1.5 Volt (AA-Type)

or

Rechargeable: Lithium cell: 1 x 3.7 Volt / 1100 mA

You may use only the Lithium cell supplied with your RT1000 or an original manufactured replacement part (Please ask your SAGEM RT1000 supplier).

Note: with one model of RT1000 you can use only one type of battery.

Battery work time

using **Non-Rechargeable battery:** Alkaline (AA-type)

In conversation mode: up to 4 hours

In idle mode: up to 40 hours

using **Rechargeable battery:** Lithium cell

In conversation mode: 2 to 4 hours

In idle mode: more than 18 hours

Charge time

using **Rechargeable battery:** Lithium cell

At normal conditions recharging of the battery takes about 4 hours.

Weight

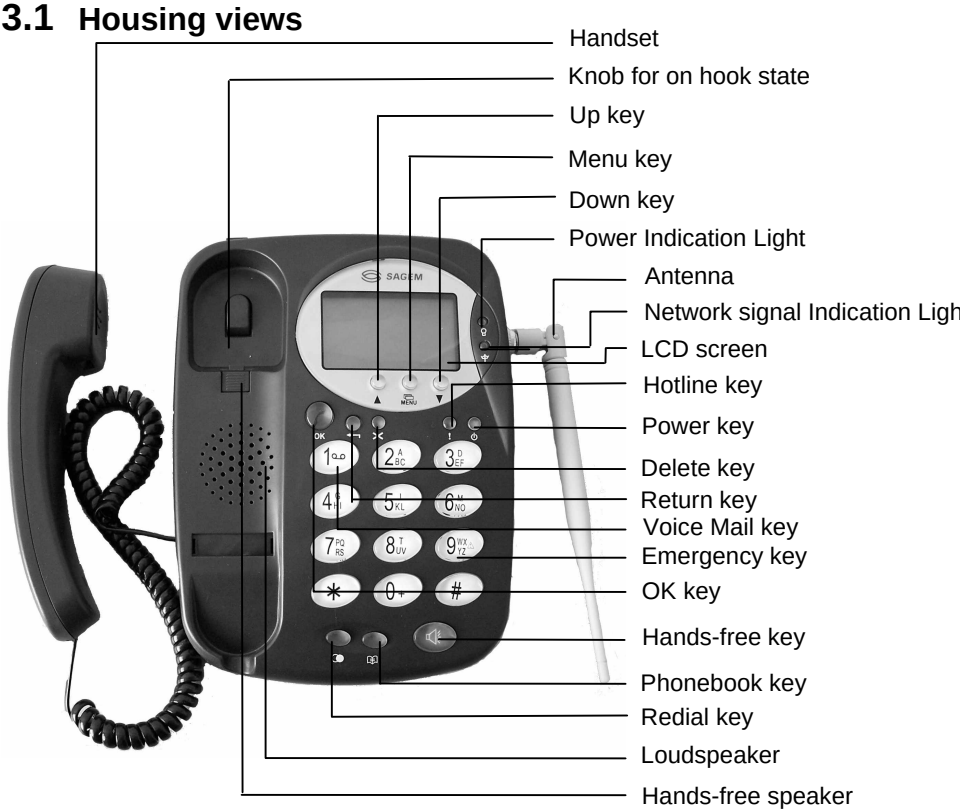
RT1000:	Roughly 770 grams (not including antenna and charger)
Charger:	60 grams

Physical Volume

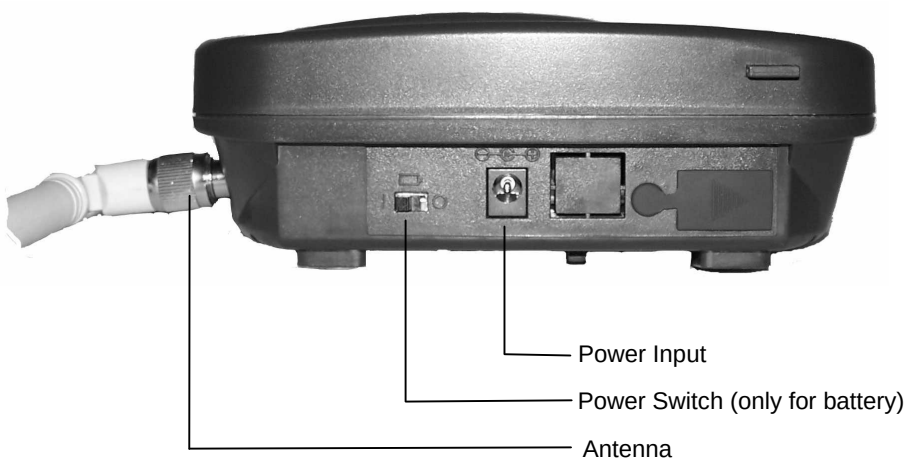
about 210 mm (length) * 150 mm (width) * 85 mm (height)

3 Housing

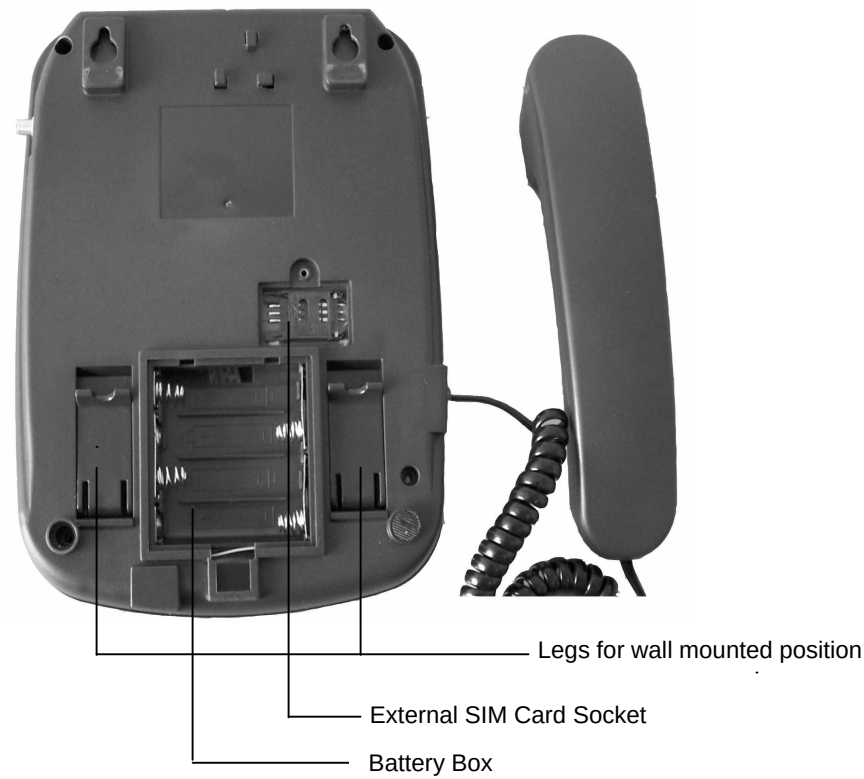
3.1 Housing views



Top view



Backside view



Underside view
(model with non-rechargeable batteries)

3.2 Keys description

Delete Key

Used:

- to delete the last digits during dialing
- to delete the last characters during editing a message, a name, a number of the phonebook or a fixed dial contact
- to delete call records
- to delete a message
- to delete a phonebook and fixed dial contact
- to delete the last digits during edit pin or pin2 or puk or puk2
- to correct a mistake during access to the menu and submenus.

Before erasing a contact of the phonebook or SMS, confirmation by the user is required.

Menu Key

To enter or exit menu mode.

Up Key ⬆

Used:

- to step upwards through a menu or submenu
- to increase the voice volume during a call
- to increase the LCD contrast.

Down Key ⬇

Used:

- to step downwards through a menu or submenu
- to decrease the voice volume during a call
- to decrease the LCD contrast.

Return Key

To return back to superior menu item.

Hotline Key

Hotline service: to call a predefined number (configured in the SAGEM RT1000) by pressing only on this key.

Power Key

Used:

- to power off the device (press the key more than 3 seconds)
- to power on the device (press the key more than 3 seconds)
- to exit menu mode

0~9 , * , # Keys

Used:

- to dial a number
- to edit contents of the phone book
- to search a contact when you read the phone book
- to edit messages (SMS).
- to setup a GSM Emergency call by pressing the key **9** more than 3 seconds

‘1’ Key

To call the mailbox by pressing 3 seconds the “1” in hand-free and handset mode.

This function is available only in some device versions.

Redial Key

To repeat the latest dialed number.

Phonebook Key

Used:

- to enter quickly the phonebook from idle mode
- to scan the phonebook and dial directly in hand-free mode and handset mode

Ok Key

Used:

- to set up a call after dialing the called number
- to validate an operation
- as a flash key for some supplementary services.

Hand-free Key

Used:

- to answer an incoming call in hand-free mode (i.e. without the handset)
- to start an outgoing call in hand-free mode
- to end a call started in Hand-free mode
- to switch from handset mode to hand-free mode, and vice versa, during a call started in handset mode.

3.3 LEDs description

Power Indication Light

When the power switch is on, if the battery isn't discharged or the power supply is connected, the red power indication light will be bright.

Signal Indication Light

If the radio signal received from the GSM network is correct, the signal indication light flickers with a green color.

3.4 SIM card socket

The SIM card socket is located externally, on the underside of the SAGEM RT1000 phone.

There is a second SIM card socket, inside the SAGEM RT1000. Only the operator shall use it, because access needs to open the phone.

3.5 Power connector and switch

Located at the back side of the phone:

Power connector

To connect the charger or plug-in power supply to the device.

Some versions of the device uses a Non-detachable power cable and no connector.

Power Switch:

Connect or disconnect the device from the battery power source. If the device is connected to mains power (AC power input), your can turn ON/OFF it by the “Power Key”.

4 Icons of the screen

Icon	Description
Battery Capacity	Capacity of battery: the more the icon is dark, the more the battery is charged.
Signal Strength	The more bars are displayed, better is the received signal.
Phone Book	This function supports reading, creating, editing and deleting the phone numbers and names in the phonebook of the SAGEM RT1000.
Call History	This function provides access to last recorded dialed, missed and received calls.
Phone Setting	This function offers the following settings of the phone: contrast of the screen, ring tone type, time of the phone, maximum inter-digit time, end of dialing by # key, hotline phone number.
Alarm Clock	This function provides access to the alarm clock settings: After setting the time of the alarm clock, the phone will alarm you at that time.
Alarm Clock	After setting the time of the alarm clock, the icon will be displayed on the screen.
Call Setting	This function is used to activate and deactivate the following supplementary services: Call Forwarding, Call Barring and Call Waiting**.**
Messages	This function supports creating, editing, sending, reading, and deleting of messages (SMS).

Message (unread)	Indication there is at least one unread message in the messages memory.
Message (read)	Indication there is at least one read message in the messages memory.
Missed Calls	Indication there is at least one missed call.
Saved Messages	Indication of the messages which have been saved but not yet been sent.
Message Full	Indication the SIM CARD has no more space to save new messages
Voice Mail	Some telephone networks can indicate you the receive of a voice mail by the voice mail logo ( ) on the display. To check this voice mail, pick up the handset or press on hands-free key and press the **'1' Key.** This function is not available on all networks.
Mains supply	Indication that the device is powered by mains.

5 First use of the phone

5.1 Checking of the package

Please check that the package contents the following items:

- the SAGEM RT1000 device
- the handset with its cord
- the charger
- the antenna
- this user manual.

5.2 Installation of the battery

Devices using Non-Rechargeable batteries (Alkaline Batteries):

Disconnect the phone from mains power before you open the battery box.

Open the battery box at the bottom of your RT1000. The battery box has metal brackets inside to contact the batteries. Insert four AA alkaline batteries. Please observe to insert it in the right direction as it is shown by marks in the battery box. Close the battery box again.

Please observe the national regulations the disposal of batteries.

Devices using a Rechargeable battery (Lithium cell):

The Lithium cell is already installed by the factory.

To exchange a Lithium cell, first disconnect the phone from mains power before you open the battery box.

Open battery box at the bottom of your RT1000. Disconnect the old Lithium cell, connect the new Lithium cell and close the battery box again.

Please observe the national regulations the disposal of batteries.

5.3 Installation of the SIM Card

Note: some operators deliver the SAGEM RT1000 to their subscribers with a SIM card being already installed inside the phone. **In this case this section is not applicable.**

When the SIM card is not installed in the phone, please put it at a place where the children can't reach it.

Be very careful when you insert, take out or conserve the SIM card: any scraping or folding will damage the SIM card !

Please turn-off the device before you enter or remove the SIM card.

Remove the cover of SIM card holder on the underside of the SAGEM RT1000 by a right size screw driver, and insert the SIM card into the SIM card socket carefully. Make sure the metal contact is faced down when you insert the SIM card, then push it completely into the socket and slide the SIM card stopper leftward until hearing some sound. Make sure the SIM card is held properly, and then close the cover and fix the screw.

SIM Lock option

If the phone has the SIM Lock option, it can be used only with SIM cards of the operator who has delivered it.

5.4 Antenna

Please screw the small antenna included in the package at the rear side of the SAGEM RT1000, on the antenna connector.

Please make sure, after complete screwing, that the antenna is in vertical position.

5.5 Power on the phone

To power on the SAGEM RT1000 just connect the charger or plug-in power supply to the device (Power input) and to mains power.

You can switch on/off the device functions by pressing the **Power Key** for more than 3 seconds.

The **Power Switch** on the backside of the phone is used to enable or disable the battery backup in case of a mains failure. It may be useful to disable the battery backup in Example during periods while you are not at home for several days.

5.6 Power

This device supports two type of batteries: Rechargeable lithium batteries and Alkaline batteries. There are different AC power adapter for each power solution. You can check the package of your device to find which solution is the device you got.

Please remember the "Power Switch" on rear side is for the battery only. If there is AC mains power and the charger or plug-in power supply is connected to the device, you can not turn on/off the device by the "Power Switch". You can use the "Power Key" to do this.

Please ensure to use only the charger or plug-in power supply delivered with the SAGEM RT1000. Any other power adapter may damage the device!

For Alkaline battery user:

The output of plug-in power supply is 6.5V. You can put four alkaline batteries in the battery box.

Without mains power, when the battery capacity is low, " Please replace batteries" will be displayed on the screen. Then you should plug-out the power supply from mains and put the new batteries into the SAGEM RT1000. Plug-in the power supply to make it work normally again.

You can use this device without any alkaline battery; just use the main power of AC input.

For rechargeable battery user:

When the power is connected to the phone and if there is mains power, the light of the charger will be bright.

The output voltage of the charger is 4.2V. There is a rechargeable lithium battery in the battery box. When the charging of the battery is completed, the charger indication light will be dark.

Without mains power, when the battery capacity is low, "Low Power Recharge Please" will be displayed on the screen and you cannot make telephone calls anymore until mains is back. When mains is back, also the rechargeable battery will be recharged again.

6 Main functions of the SAGEM RT1000

6.1 Initialization of the Phone

When the phone is switched on, the backlight of the screen will be bright, then the LCD will display, depending on the version:

- either:

- or the Network operator's logo.

Enter the PIN of the SIM card if requested.

If you switch on the phone without the SIM card or the SIM card is not correctly installed, the screen will display" ***Please Check SIM card***".

AUTOPIN option

If the phone is delivered with AUTOPIN option, the first time the SIM card is used, after you have entered the PIN1 (if entering PIN1 is requested), the phone will change the PIN1 of the SIM card and replace it by an other value.

Then if the phone is switched on again, it will never more asked to enter the PIN1.

Support of PIN1

When AUTOPIN option is not enabled, PIN1 functions are supported according to GSM 11.11 standard:

- After several wrong entries of PIN1 code (the exact number depends on the used SIM card),PUK1 code will be required
- Modification of PIN1 code of the SIM card after entry of correct PIN1 code
- To enable and disable the PIN1 check when the phone is switched on

SET TIME	Enter the correct
-: -: -	date by year-month-day (e.g.: 04-06-30)
-:-	and time by hour-minute (e.g.: 10:30)

Network Name

04-06-30

10:30

6.2 Outgoing calls

There are two modes for dialing on this phone: handset mode and Hand-free mode.

Handset mode

Pick up the handset: you will hear the dialing tone and it will be displayed on the screen: "***dial please"***.

Then enter the phone number of the person you want to call, and press **OK** key (or # key if enabled: see section 7.4.6).

If you don't press any of these two keys, the call will be set up after expiration of the maximum inter-digit time which can be adjusted by yourselves (see section 7.4.5).

At that time you will hear the sound of conjunction and you should wait until the called party will receive the call. If you hear the busy tone, please put down the handset.

You can call again the last dialed number by pressing **Redial** key.

When the calling party has answered successfully, the screen will show the duration of the call. At the end of the call, just put down the handset, that's all.

Hand-free mode

Press the **Hand-free** key; after you hearing dialing tone, the next steps are the same as in handset mode.

During handset mode or hands-free mode ,you can press the Phone Book key ,and then you entering the phonebook , then you can use the up or down or digit keys to jump to the corresponding letter to find the number you want to call, and then just press OK key to set up the call.

6.3 Incoming calls

When someone calls you, your phone will ring, and the screen will display the phone number of the calling party (if supported by the network). If you wish to answer, please pick up the handset or press the **hand-free** key, then you can talk with the calling party.

As for outgoing calls, the screen displays the duration of the call.

If, at the moment you lift the handset or press **hand-free** key to set up a call, an incoming call is received before start of dialing, the screen will show “press * to answer”.

If you want to reject this call, just put down the handset or press the **hand-free** key.

Reject of an incoming call

If you want to reject an incoming call, you have only to press **OK** key.

6.4 Switching between handset mode and hand-free mode

If you want to switch from handset mode to hand-free mode, just press **hand-free** key.

Then:

- if you keep the handset picked up, you can return to handset mode by just pressing **hand-free** key
- if you put down the handset, the call is not cleared, and the phone stays in hand-free mode.

In hand-free mode, when the handset is put down, to switch to handset mode, pick up the handset.

6.5 End of a call

After the call is over, or to clear the call:

- in handset mode, just put down the handset
- in hand-free mode:
  - if the handset is put down, press the hand-free key
  - if the handset is picked up, put down the handset and press the hand-free key.

6.6 Adjust Volume

You can adjust the voice volume during a call by pressing **Up** or **Down** key. Pressing **Up** key increases the voice volume and pressing **Down** key decreases it.

6.7 Emergency Service

You can dial the emergency service number without any SIM card (if supported by the network). Each telephone company may use a different emergency number: please inquire about the detail from your telephone company.

In case of an emergency you can make an emergency call just by pressing the **key 9** for more than 3 seconds while the handset is picked-up or you are in hand-free mode. The number of the emergency centre will be dialed automatically. You may use this function only in case of an emergency.

It is also possible to dial the emergency number instead of pressing **key 9**.

6.8 International Call

If you want to set up an international call (if supported by the network), please double press **0** key then **"+"** appear on the screen (**"+**" represent the international code). Then enter the country code, the national number of your correspondent, and press **Ok** key (or # key if enabled: see section 7.4.6) to set up the call.

6.9 Use the Phone Book to Dial

After entering the phone book, you can use the **Up** or **Down** and digit keys to find the number you want to call, and then just press **Ok** key to set up the call.

6.10 Speed dial

You can dial the top-ten entries in the phonebook also just by dialing the phonebook entry number (see section 7.1.4). For example dial **0 Ok** to dial the first entry of the top-ten. You can edit the top-ten in the phonebook menu.

6.11 Call Hold, Call Waiting, Multi-Party Call

If Call Waiting function enabled (see section 7.6.3), please operate as explained below.

During a call with correspondent B, if an other correspondent C is calling you, the phone number of C will appear on the screen under B number .

You have four options:

1. Press **OK** key, and press **0** key: to continue dialog with B and to reject call from C.

2. Press **OK** key, and press **1** key: to end the call with B and to start the talk with C.

3. Press **OK** key, and press **2** key: to put call with B on hold, and to start the talk with C. You can repeat this step (**OK** key + **2** key) to switch again the talk with B and to put call with C on hold.

4. Press **OK** key, and press **3** key: to talk to B and C at the same time (if conference call is supported by the network and included in your subscription).

Depending on the network operator, it is possible to handle up to 5 parties in parallel.

During a call with correspondent B, you may also decide to call a correspondent C:

1. Press **OK** key, and press **2** key: to put call with B on hold, and to start the talk with C. You can repeat this step (**OK** key + **2** key) to switch again the talk with B and to put call with C on hold.
2. Press **OK** key, and press **3** key: to talk to B and C at the same time (if conference call is supported by the network and included in your subscription).

Depending on the network operator, it is possible to handle up to 5 parties in parallel.

7 Configuration Menu

The configuration menu provides access to the following functions:

1. Phone Book

2. Messages

3. Call History

4. Phone Setting

5. Alarm Clock

6. Call Setting

7. STK (if supported by the SIM-card)

7.1 Phone Book

This function supports reading, adding, editing and deleting of the numbers and names registered in the phone. The phone book capacity depends on the SIM card.

In idle mode press the **Menu** key, use the **Up** or **Down** keys to move the cursor into the Phone Book menu, and press **Ok** key. The screen will then display six submenus:

- read phone book

- add contact
- status
- speed dial
- delete all
- fixed numbers

7.1.1 Read Phonebook

Use the **Up** or **Down** key to move the cursor to the function item "read the phone book". There you can scan all the numbers in the phone book with the **Up** or **Down** keys. Press **Ok** key to enter a new submenu, where you can select the following operations:

Dial

to dial the number directly.

Modify

to edit the number or the name in the phone book.

Send message

to send a message to the number directly.

Return

to return to the superior menu.

7.1.2 Add Contact

You can add contact in the phone book with this function. Use the **Up** or **Down** key to move the cursor to the function item . Then press **Ok** key to enter it; the system will ask you to enter the name, then the number. Press **Ok** key to confirm it.

7.1.3 Status

You can select the function to scan the memory of the phonebook.

7.1.4 Speed dial

Press Ok key to enter a new submenu, where you can select the following operations:

Activate

to enable the speed dial function.

Deactivate

to disable the speed dial function.

Scan

to see the contact names which are the ten-top stored in the SIM card phonebook.

If you like to replace one of these numbers, press **Ok** and then enter the “read phonebook” and select another one.

7.1.5 Delete all

You can select the function to delete all the contacts of the phonebook , .

Before that a confirmation by the user is required.

7.1.6 Fixed numbers

You can select the function to scan the fixed dial numbers

Press ok you can select the function to dial the number directly.

7.2 Messages (SMS)

This function supports editing, sending, reading, receiving, deleting and storing short messages. The messages are stored on the SIM card. The maximum capacity depends on the SIM card. A message can contain 160 bytes of letters, figures or symbols.

In idle mode press the **Menu** key, use the **Up** or **Down** key to move the cursor into the Messages menu, and press **Ok** key. The screen will then display four submenus:

- Read Messages
- New Message
- Service Center
- Delete all

7.2.1 Receiving a Message

When the phone receives a new message, the screen will display “a new message”; at the same time there is a special sound. Then you press **Ok** key, the icon will appear on the bottom left corner of the screen. If you want to read it, you should enter in the **Messages** menu to read it.

SMS received during a call can be presented to the user only at the end of the call.

When the messages memory is full ” and there is no more space to store a new message, the screen will indicate “messages full and the icon will appear on the

bottom left corner of the screen. You should at least delete one message to let the new message come in.

7.2.2 Read Message

In message menu, the first submenu is just reading message, so you press **Ok** key, “waiting” appears on the screen for a while (the system is reading message). Then the screen provides the following information, for example:

✉ 1-12
1001
04/06/30 08:51

1-12 means there are 12 messages in the memory, now you are reading the first one.

1001: The recipient number of this message.

04-06-30 08:51 means the date and time of the message sending.

Messages stored with Send & save are displayed without phone number.

Press **Ok** key to read the new message. And if you press **Ok** key again, you will enter a new submenu:

Reply

You can reply a message to current number directly.

Send message

You can send the message to another correspondent by entering his number, then press **Ok** key.

Edit message

You can also reedit the message before to send it to another correspondent.

7.2.3 New Message

In messages menu, you can enter **New Message** submenu.

If receiving an incoming call during editing a SMS, the draft SMS will be stored automatically in memory, until the phone hangs up :

To edit a message, please refer to section 8.

After you have edited the message, press **Ok** key to enter the following submenu :

Send message

You can send the message to a correspondent by entering his number, then press **Ok** key.

Save message

This function is to save the message in the SIM card memory.

Send & save

This function is to save the message in the SIM card memory and to send the message to a correspondent by entering his number and press the **Ok** key.

Return

This function is just to return to the message menu.

You can also send a message from the phonebook. See chapter 7.1.1.

7.2.4 Service Center

This function is for registration in the phone of the messages service center number.

The number is indicated by the telephone company agency.

7.2.5 Delete all

This function is to delete all the messages in the SIM card memory. A confirmation by the user is required before.

7.3 Call History

This function allows to read memorized dialed, missed and received calls.

In idle mode press the **Menu** key, use the **Up** or **Down** key to move the cursor into the **Call History** menu, and press **Ok** key. Then the screen will display three submenus:

- dialed
- missed
- received.

7.3.1 Dialed

The memory keeps the 10 more recent dialed calls.

Press **UP** or **Down** key to display the records, and press **Ok** key to redial the selected number.

7.3.2 Missed

The memory keeps the 10 most recent missed calls.

Press **Up** or **Down** key to display the records, and press **Ok** key to dial the selected number.

7.3.3 Received

The memory keeps the 10 most recent received calls.

Press **Up** or **Down** key to display the records, and press **Ok** key to dial the selected number.

7.3.4 Return

The function is just to return to the superior menu.

7.4 Phone Settings

Here you can make some settings according your preference .

In idle mode press the **Menu** key, use the **Up** or **Down** key to move the cursor into phone setting menu, then press **Ok** key. The screen will display eleven submenus:

- **contrast**
- **ring type**
- **volume**
- **set time**
- **inter-digit time**
- **end dialing by #**
- **hotline number**
- **key tone**
- **security**
- **languages**

- **return.**

7.4.1 Contrast

You can select 10-level contrast.

Press **Up** key to increase the contrast and press **Down** key to decrease the contrast.

weaken normal strengthen

7.4.2 Ring Type

You can select various ring types (total 13).

Use the **Up** or **Down** key to scan the ring types, then press to **Ok** key to confirm it.

7.4.3 Volume

You can select various ring tone volume (1 to 5).

The default is 3.

Use the **Up** or **Down** key to choose, then press to **Ok** key to confirm it.

7.4.4 Set Time

Set current date by **year/month/day** and time by **hour:minute** mode. For the time adopt 24-hours format.

7.4.5 Inter-digit Time

This function is to set the maximal inter-digit time during dialing.

When you have dialed a number without pressing **Ok** key (or # key if enabled: see section 7.4.6) to confirm it, the phone will set up automatically the call after the maximal inter-digit time.

The maximal inter-digit time can be set from 2 to 9 seconds: press one of **2~9** keys to directly enter the time, then press **Ok** key to confirm it.

7.4.6 End Dialing by

This function is to enable the use of # key to set up a call after dialing (as with the **Ok** key).

7.4.7 Hotline Number

This function is to store the Hotline Number in the phone.

7.4.8 Key tone

press Ok key. It will show:

Disable

Enable

Use the Up or Down key to move the cursor. To enable the key tones select Enable and press Ok. If you want to disable the key tones just select Disable .

7.4.9 Security

Press Ok key to enter a new submenu, where you can make the following operations:

Control PIN1

Select if you like to protect the usage of your SAGEM RT1000 by PIN1.

Activate – to activate the PIN1

Deactivate – to deactivate PIN1

Enter the right PIN1 and you can use the phone.

After several wrong entries (-the exact number depends on the used SIM card-) the PUK1 code will be required.

If your phone has the AUTOPIN function, this menu has no impact.

Modify PIN1

When AUTOPIN option is not enabled, you can modify the PIN1:

- Before to modify PIN1 you should make sure the PIN1 control is activated.
- Modification of PIN1 code of the SIM card after entry of correct PIN1 code

After several wrong entries of PIN1 code (-the exact number depends on the used SIM card-), PUK1 code will be required.

Modify PIN2

Modification of PIN2 code of the SIM card after entry of correct PIN2

code

After several wrong entries of PIN2 code (-the exact number depends on the used SIM card-), PUK2 code will be required.

Fixed dialing

Press Ok key to enter a new submenu, where you can edit the fixed dialed number function

Activate

- Activate fixed dial after entry of correct PIN2 code

Deactivate

- Activate fixed dial after entry of correct PIN2 code

Add view

- You can add a fixed dial contact just as add a phonebook contact after entry of correct PIN2 code

Modify

- Press ok you can scan the fixed dial numbers ,and then you can modify or delete a fixed dial number.
- You can modify a fixed dial contact just as add a phonebook contact after entry of correct PIN2 code
- You can delete a fixed dial contact just as delete a phonebook contact after entry of correct PIN2 code ,

Before delete a confirmation by the user is required.

Note: After several wrong entries of PIN2 code (-the exact number depends on the used SIM card-), PUK2 code will be required

7.4.10 Languages

Press Ok key to enter a new submenu, where you can select one of the two following languages:

- English
- Spanish

Use the Up or Down key to move the cursor to English, then press Ok key again. So the English mode is set . And if you want to change to Spanish, just to select the Spanish.

7.4.11 Return

This function is just to return to the main menu.

7.5 Alarm Clock

This function is to set the time of the alarm clock. The phone will alarm you at that time. In idle mode after you have set the alarm clock, the icon of will appear on the screen.

If you miss the alarm just because you are calling , the screen will display “alarm miss” to remind you , and then you can press ok back to the idle mode.

In idle mode press the **Menu** key, use the **Up** or **Down** key to move the cursor to the **Alarm Clock** menu, then press **Ok** key, the screen will display:

Set Alarm

--:--

then you enter the time for example 10:30.

It will show:

Set Alarm

10:30

press **Ok** key. It will show:

Disable

Enable

Use the **Up** or **Down** key to move the cursor to **Enable,** then press **Ok** key again. So the alarm is set ok. And if you want to cancel the setup, just to select the **disable** and to return.

7.6 Call Setting

There are four functions:

- Call Forward
- Call Barring
- Call Waiting
- Caller Identify
- Return.

7.6.1 Call Forward

This function is to forward your received voice calls to another designated phone number. The function shall be supported by the network operator and your subscription.

In idle mode press the **Menu** key, use the **Up** or **Down** key to move the cursor into the **Call Setting** menu, and press **Ok** key. The screen will then display five submenus:

Forward All

If this function is active, all incoming calls will be forwarded to the entered phone number.

Forward on

To activate by pressing the **Ok** key.

Please enter the phone number the incoming calls should be forwarded to.

Forward off

To deactivate by pressing the **Ok** key.

Query

To checks the status of "**Forward All**".

Return

This function is just to return to the superior menu.

If Busy

If this function is active, incoming calls will be forwarded to the entered phone number if the SAGEM RT1000 is busy.

Forward on

To activate by pressing the **Ok** key.

Please enter the phone number the incoming calls should be forwarded to.

Forward off

To deactivate by pressing the **Ok** key.

Query

To checks the status of "**If Busy**".

Return

This function is just to return to the superior menu.

If No Answer

If this function is active, an incoming call will be forwarded to the entered phone number, if the call is not answered for a while.

Forward on

To activate by pressing the **Ok** key.

Please enter the phone number the incoming calls should be forwarded to.

Forward off

To deactivate by pressing the **Ok** key.

Query

To checks the status of "**If No Answer**".

Return

This function is just to return to the superior menu.

If Not Accessible

If this function is active, incoming calls will be forwarded to the entered phone number if the SAGEM RT1000 is not reachable for any reason.

Forward on

To activate by pressing the **Ok** key.

Forward off

To deactivate by pressing the **Ok** key.

Query

To checks the status of "**If Not Accessible**".

Return

This function is just to return to the superior menu.

Return

This function is just to return to the superior menu.

7.6.2 Call Barring

This function will limit the type of calls allowed with your phone.

It shall be supported by the network: please contact your telephone operator to get the details.

The following submenus allow you to select the call barring type, and to enable and disable this function.

All out

Outgoing calls not allowed

All in

Incoming calls not allowed

Inter

International outgoing calls not allowed

Return

To leave this submenu

After setting one of the above options, you can choose the following sub-options

Call barring on

To activate call barring with the selected option by pressing the **Ok** key.

Call barring off

To deactivate call barring by pressing the **Ok** key.

Query

To check the status of “call barring”.

Return

This function is just to return to the superior menu.

Please note, that this is a network function. It will work only, if the network and your subscription supports it.

7.6.3 Call Waiting

This function is to enable and disable Call Waiting function (see section 6.11).

Call waiting on

To activate the call waiting function by pressing the **Ok** key.

Call waiting off

To deactivate the call waiting function by pressing the **Ok** key.

Query

To check the status of “call waiting”.

Return

This function is just to return to the superior menu.

Please note, that this is a network function. It will work only, if the network and your subscription supports it.

7.6.4 Caller Identify (Restriction)

This function is to display or hide your phone number to party you have called.

Enable

Select **Enable** and press **Ok** to suppress the presentation of your phone number to the called party.

Disable

Select **Disable** and press **Ok** to to allow the presentation of your phone number to the called party.

Query

Select **Query** to check the setting of “caller identify”.

Return

This function is just to return to the superior menu.

Please note, that this is a network function. It will work only, if the network and your subscription supports it.

7.6.5 Return

The function is just to return to the superior menu.

7.7 STK (if supported by the SIM-card)

This device support STK feature; If your SIM card support it, you may find additional function provided by your SIM card in this submenu. This could be e.g. function to call a news center to get latest news or whether reports by SMS. Please contact your network supplier to get more details.

8 Editing modes

At many times when using your phone, you will need to enter text, for example when storing a name in the Phone Book or writing a text message.

The following text input modes are available:

- **Word:** allows you to enter words of the selected language by pressing each key once for each character.
- **ABC:** allows you to enter letters by pressing the key labeled with the desired letter once, twice, or more times until the letter appears on the display.
- **123:** allows you to enter numbers.

Press the **#** key to switch between these input modes

Press the “ * “ key switch to symbol input mode.

8.1 Word Mode

This mode allows you to enter words of the selected language with only one key press per letter. Each key on a keypad has more than one letter: a single press on the **5** key could be j, k, or l. The Word mode automatically compares your key pressed to an internal linguistic database to determine the correct word. This mode requires far fewer keystrokes than the traditional multi-tap method: ABC mode.

Typing Words:

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

1. Press keys on the phone just once per desired letter. For example, to enter "Hello", press the following keystrokes: 4, 3, 5, 5, 6.
2. Put a space between each word by pressing the ok key.
3. If the word that appears on the display is not the word that you desire, press the down or up key one or more times to select the words you want.

(For example, "of" and "me" shares the sequence of 6 and 3) The phone displays the most commonly used choice first.

8.2 ABC Mode

This mode is indicated by ABC. When typing in ABC mode, you should press the key labeled with the required character:

- Once for the first character;
- Twice for the second character and so on.

When using ABC mode, you will see the numeric key with letter, press the key and hold: until see the letter which you want.

Validate after undo the key.

For example: you press the **2** key ,screen will display "a, b, c, A, B, C" one by one.

8.3 123 Mode

Enter the figure directly. If you enter the wrong letter, please press **D**elete key to cancel(Press Down key to enter the blank and press Up key to return the curser).

8.4 Symbol Input mode

In any other input modes, you can press the ***** key to enter the symbol input mode: then use **Down** and **1~8** keys to select the desired symbol.

9 Maintenance

9.1 Battery Maintenance

For rechargeable battery user:

The temperature can affect the charge; the recommended operation temperature is: in charge 0° ~ +45°C, discharge -10° ~ +55°C.

To protect the battery avoid short-circuit. Please use only the delivered battery for the original use. When an electric matter touches the positive and negative contacts of the battery directly, the battery will be easy short-circuited.

For Alkaline battery user:

The battery of the phone is alkaline battery. When the phone is in low power, please insert four AA alkaline new batteries at the same time. If you do not use this device more than one week, please remove the alkaline batteries from battery box to avoid damage the equipment.

Do not use a damaged battery.

If the battery is in a very cold or very hot place (lower than -10°C or higher than 55°C), the life of the battery will be shortened. And it will also lead the phone to work abnormally, even if the battery is been fully charged.

Do not throw the battery into fire. Please deal according to environmental preservation rules with old battery.

9.2 Telephone Maintenance

The following suggestions will help you to keep your telephone in good condition.

Please keep the phone at a dry place, or the liquid will rust the metal circuit.

Please place the phone apart from high temperature: high temperature will shorten the life of the electric CMOS chip and melt the plastic and damage the battery.

Please do not open the phone shell or disjoint the phone.

Do not use the thick acid or alkali product to wash the phone body.

10 Troubleshooting

When you encounter any problem while using your desk phone, please refer to following table to solve the problem.

Problems	Possible case	How to solve the problem
The power indicator Light doesn't work.	Bad connection.	Check all plugs connecting
	The battery is used up	Check the battery capacity, then recharge it.
Show : "Input PUK Code:"	SIM card has been locked.	Please connect with your network service provider
Please Check SIM Card"	SIM card register fail	Sent it to your network service Provider to check it.
	SIM card is not installed properly.	Install SIM card properly.
	SIM card contact is Contaminated.	Clean the SIM card contact.
The phone doesn't Work.	Unknown mistake	
	The battery is used up.	Please charge the battery at least half an hour then turn on the phone again.
The LCD display weaken or strength.	The contrast is not adjusted correctly.	Adjust the contrast.