GSM User manual

NHC–8000

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Contents

Contents

Contents

Contents

Contents

When you open the box, check that all items are present:

1 – Phone
2 – Charger
3 – Battery
4 – User guide
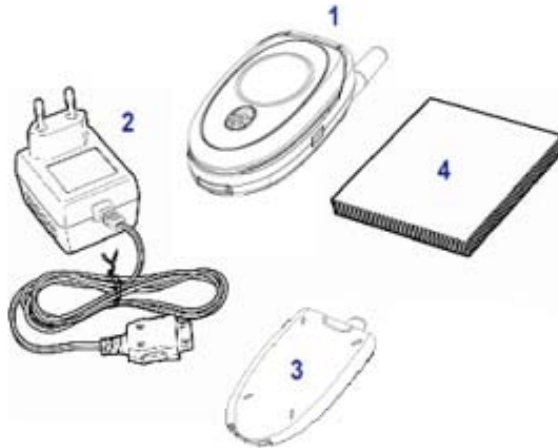
Accessories

You can also find (as an option) or order the following accessories:
Hands-free kit (*)
Additional battery
Additional charger (*)
Cable to connect your phone to a PC USB or serial port (*)
CD driver (PC or Mac) to synchronise your phone with your PC
Cigar lighter charger (*)
Colored covers

(*) These accessories are identical to the ones provided for the earlier 8000 series.

Description

**Programmable keys
And Shortcut keys**

<u>Hold down</u>: Stop
<u>Press briefly</u>:
In a call context: Reject a call - hang up
In menus: Return to initial screen.

<u>Press briefly</u>: Start phone
In call context: Call - receiving a call - hands-free mode

Left programmable key:
In initial screen: Access to certain functions (shortcuts)
In menus: Cancel (or return) as indicated on the screen
During call: Reduce volume

Right programmable key:
In initial screen: Access to certain functions (shortcuts)
In menus: Validate, choose as shown on the screen
During call: Increase volume

Camera key (side key)
Previous choice / increase value / up

Next choice / reduce value / down

Up input field / move left

Down input field / move right

<u>Hold down</u>: *In initial screen:* Silent mode

In call reception mode: Short press stops ring tone
In ring tone setting mode: Activate / deactivate ring tone
Upper case/Lower case
Wap key (Login on the network)
Zoom mode (see Messages and WAP menus)

Navigation principles

These basic principles bring a great intuitiveness to your phone.

Validate by pressing the ➘ key.

Cancel by pressing the ➚ key.

The thumbnails at the bottom of the screen refer to the ➚ ➘ keys.

In the menus, a title bar reminds you of the previous level.

The ▲▼ navigation keys are used to navigate from one menu to another within the same menu structure.

The ➘ key is used to go from a menu to a sub-menu.

The ➚ key is used to go from a sub-menu to a menu.

The first menu level can be identified by a large animated icon in the centre of the screen.

The second menu level can be identified by a large static icon in the centre of the screen.

The ☎ key (press briefly) is used to go back to the initial screen (current function is abandoned)
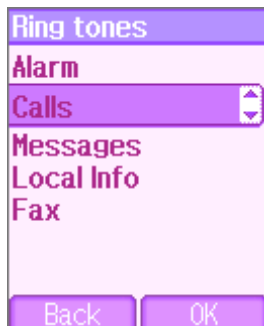
Initial screen

The initial screen contains the following information:

1 - The title bar icons:

	Battery
	Calls forwarded
	Call (establishing the call)
	Call (hands free)
	Message (reception of a message, message memory full)
FAX	FAX
DATA	DATA
	Silent mode
ⓐ	WAP (@)
GPRS	GPRS
	Home zone
	Signal strength level (5 bars).

2 - Date and time, in digital or analog mode

3 - Network provider

4 - Thumbnail centred on bottom line:
the main « Menu » thumbnail shows that the menu can be accessed via
the ▲ ▼ keys.
The following information may also be displayed:
« 1 message received »; or « 1 call ».
They can be deleted by pressing key briefly.

Activating your phone

Information on the SIM card
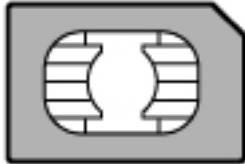
To use your phone, you need a card called SIM card.
It contains personal information that you cannot modify:
Secret codes (PIN(s): Personal Identification Numbers), these codes
Allow you to protect access to your
SIM card and phone.
Phonebook,
Messages,
How special services work.
Your phone is compatible with the SIM 3V cards

WARNING

This card must be handled and stored with care in order not to be damaged. If you should lose your SIM card, contact your network provider or your SMC (Services Marketing Company) immediately.
Please keep your SIM card out of reach of young children.

Activating your phone

Installing the SIM card and the battery
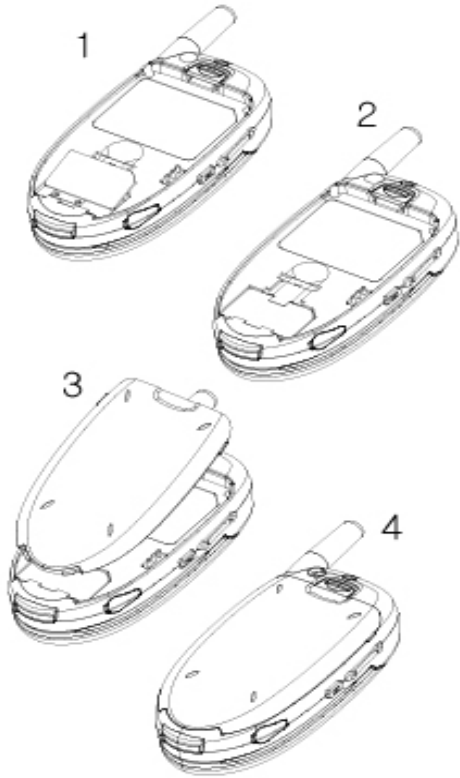
The SIM card is inserted under the phone's battery.
Ensure that the
phone is switched off and the charger disconnected.
Turn the phone back and push lock button upwards.
Take out battery if already installed.
Slide the SIM card, with cut corner as shown on the phone,
into the card holder with fold face down.
Place the battery by positioning first the top of it, as shown
on the battery.
Replace the battery .

Using your phone

Charging the battery
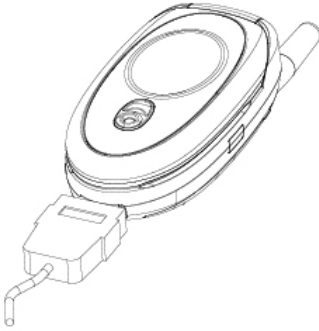
Your phone is powered by a rechargeable battery. A new battery must be charged for 2 hours at least before being used for the first time. It reaches its optimum capacity after a few cycles of use.

When your battery has been discharged, the phone displays the state (empty battery icon flashes). In this case recharge your battery for at least 15 minutes before making any calls in order not to be cut off in the middle of a call.

To recharge the battery:
Connect the charger to a socket.
Plug the end of the cable into the bottom connector of the phone.

The phone is then charging up. The battery icon is scrolling up and down to indicate that it is charging. When the battery is fully charged, the charging stops on its own. Disconnect the cable.
When charging, the battery may warm up, this phenomenon is normal

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WARNING

There is danger of explosion if the battery is placed in an incorrectly way or if it is exposed to fire.
Do not short circuit it.
The battery does not have any part that you can change.
Do not try to open the battery casing.
Use only the appropriate chargers and batteries as shown in the manufacturer's catalogue.
Used batteries must be disposed of in the appropriate places.
We advise you to take the battery out if you plan not to use the phone for extended periods.

Phonebook

*The phonebook allows you to store numbers that you call regularly.
These numbers can be stored in the SIM card or in the phone.
Your phone has a vCard phonebook, the following fields can be filled in
the phone for each contact: last name, first name, number 1, email,
number 2, number 3, call group, company, comment, photo.
The fields preceded with a star are mandatory.
The storage capacity will depend on the SIM card. Please contact your
network provider to get that information.*

Using the phonebook
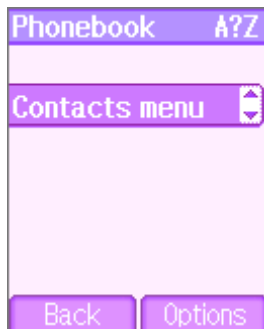
In the initial screen, press the ▼ key to access the main menus. The
first menu proposed is **Phonebook.**
Press the ✎ key corresponding to the validation key to enter the menu.
The list of your correspondents appears. By default, the cursor is
positioned on the first name in alphabetical order.
If you are using your phone and SIM card for the first time, the
phonebook list will be empty, only the **Contacts menu** function will be
available.

Phonebook

Contacts menu

Phonebook
Memory
Add contact
Call groups

Back   OK

Phonebook   A?Z

Contacts menu

Back   Options
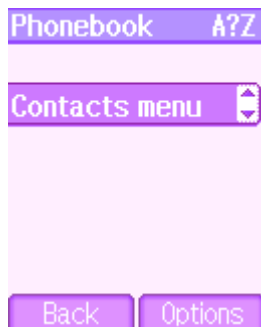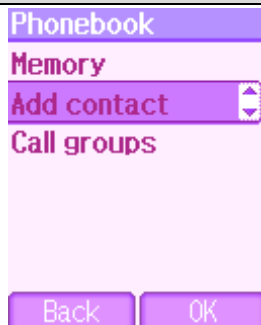
Add contact

Select **Add contact** and press the ✎ key to enter the menu.
Choose the location where you wish to enter the contact (SIM card,
phone or fixed dialling memory – Fixed dialling is available depending
on PIN number 2 options of your SIM card) and enter the contact
information and validate after each entry.
The information needed to store a contact in the phone is first name, last
name, one phone number or an email address.

All other fields are not mandatory. If you do not want to fill them, select
Save to save the contact created.

Note: If you want to store a contact in a call group, the ring tone, when
the contact is calling, is the one defined by default in the call group.
To modify the ring tone, select **Phonebook, Contacts menu, Call
Groups**, select the call group, **Options** then **Modify**. Modify the ring
tone and validate.

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Phonebook

Call groups

6 default call groups have already been created. You can create others.

You have the facility to group your contacts into call groups.

It is possible to allocate characteristics to each group (icon, ring tone, vibrate mode).
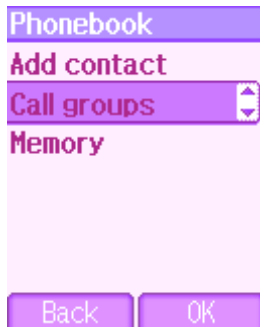
Creating new groups:

Do same as above to get the **Contacts menu** and validate.

Press ▼ key to position the cursor on **Call groups** and validate.

By default, the cursor is automatically placed on **Call groups menu,** validate.

Choose one of the options given: Create group or Memory available.

Creating a group

By default, the cursor is placed on **Create group,** validate.

Enter the name and validate.

Choose the **icon**, the **ring tone** and **vibrate mode** that you want to allocate to this group (validate after each step).
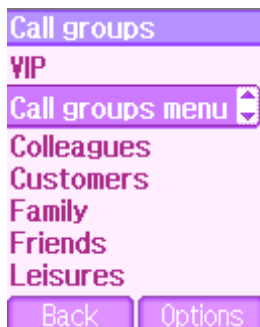
Memory

Select **Memory** and validate.

The screen displays the number of locations available for new groups.

Phonebook

Memory

Select **Memory** and validate. SIM or Telephone and validate.

The screen displays the locations used on the SIM Card and in the phone itself. The screen displays the amount of memory used. The memory capacity is shared between the phonebook and the photo, pictures, organiser, etc. features. If you lack memory, check if you can free some space from another function.
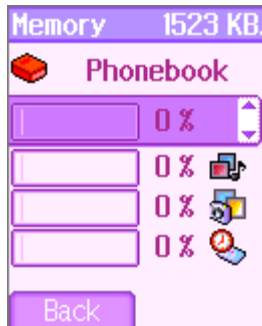
My numbers

You can create the entries corresponding to your own numbers in order to consult them when necessary.
Select **My numbers** and validate. Enter the different details and validate.

Phonebook

Options from a contact saved
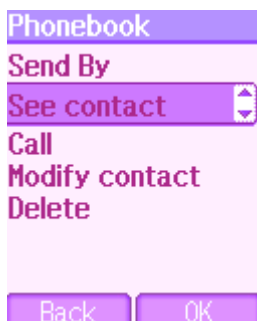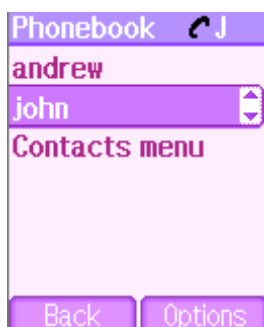
See contact

Select a contact from the list using the ▲▼ keys. Then press the
🖎 key. By directly pressing one character, the phone will display the
first contact saved in the phonebook, starting with it.

The first menu proposed is **See contact**. Validate.

Details of the contact appears (name, phone number, call group, and
some other details).

Further screens display the other details of the contact:

Press the 🖎 key to view the 3 phone numbers the email address,
company and comment for this contact.

Press the 📞 key from any of these screens to call this contact. Press
The ✐ key to go back to the phonebook.

The memory number of the contact (for example 21) allows you to call
him directly typing from the initial screen this number followed by *
(example : 21*).

Different icons inform you of the position in the phonebook where the
contact is stored:

 contact stored in the SIM card

 contact stored in the phone

 if the Fixed dialling option is activated, only those contacts may
be called. See **PIN number 2** and **Fixed Dialling** in **Security**
Menu for more details about this activation.

Phonebook

Phonebook
Call
Modify contact
Delete
Send By
See contact

Back · OK
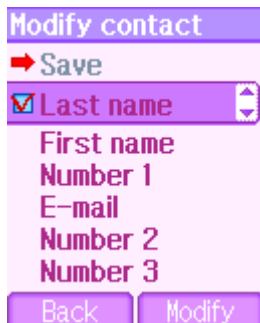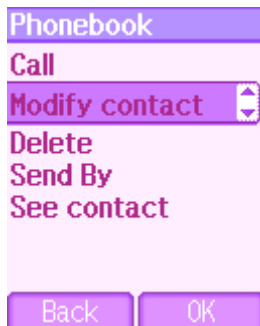
Modify contact
Select the contact desired and validate.
Select **Modify contact** and validate.
Modify what you want and validate then select **Save** once the modifications completed.

Copy to SIM / Copy to mobile
This allows you to copy your phonebook entries from one memory to the

other. Only the name, first phone number and the call group will be
copied.
Select **Copy to SIM** or **Copy to mobile** and validate.

Modify contact
→ Save
☑ Last name
First name
Number 1
E-mail
Number 2
Number 3

Back · Modify

Delete
Select **Delete** and validate.
Validate deletion of entry.

Call
Select **Call**. Press the ✎ key to start the call.
You can also select the party to be called from the phonebook, and
press the 🕾 key to make the call.

Phonebook

Sending a vCard

It is possible to send a vCard from each contact stored in the phonebook.

Cards can be sent to another phone supporting vCard.
On a contact in the phonebook, please select the **Send by** option menu item (EMS, MMS or IRDA).

If the vCard is sent successfully, an information message is displayed.
vCards can be sent as an attachment to an EMS or MMS message. See **Compose MMS** on page 25.

Receiving a vCard

When a vCard is received enclosed to an EMS or MMS message, the message « You have received 1 message » is displayed.

Open the MMS from the inbox. Go to **Options** by pressing the ✎ key,and select **Extract**; select the vCard among the list of objects attached to this MMS, and add this contact to the phonebook by pressing the ✎ key. A message is displayed to confirm the action.

Message

Compose SMS
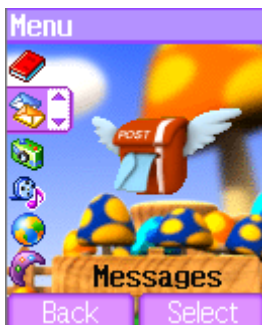
On the **Messages** menu, please select the **Compose** menu and validate.
Choose the **SMS** option.
The language used is the one selected on the display of the phone (if the language selected is not compatible with the Easy Message T9™, the English language will be automatically selected).
When the text has been entered, the ✎ key (**options**) can also be used
to access the functions offered:
Save is used to save a draft in memory
Send is used to send the message by entering the correspondent's number
T9 options (see page 25)
Editor mode (see page 24)
Send options is used to indicate the message format, the period of validity, or to activate/deactivate a reply
Cancel is used to delete all text entered
Activate/deactivate zoom is used to modify size of characters
Formatting is used to enrich a text
Insert to insert an image or sound into your message
(see page 24).

Message

The Easy Message T9™ mode helps you to easily write your short Messages.
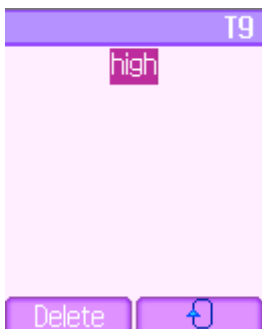
Using T9 Mode

Press once the key corresponding to the letter chosen and make the word by continuing to press the keys corresponding to the various letters without paying attention to the display: the word is highlighted.

If you agree on the word proposed on the screen, press the   key to validate it, and go on writing the next word.

However, the same sequence of keys pressed can correspond to several words, existing on the dictionary. If the word that appears is not the word you expected, press the ✎ key indicating 🔄 to scroll through the words corresponding to this key sequence.

Once you agree on the word proposed on the screen, press the **0** key to validate it, add a space and go on writing the next word.

If the word you are expected is not proposed, please add characters until you get the message **Add the word**? Press **Yes** and validate if the word displayed suits you.

Message

In the input screen, the   key is used to access other input options.

When composing a message:
The navigation kdys assume the following functions:

- ◀ **key:**
  Last word
- ▶ **key:**
  Next word
- ▲ **key:**
  Previous line
- ▼ **key:**
  Next line
- ✐ **key:**
  Deletes last letter
- ✎ **key:**
  Message options
- # **key(long press):**
  Zoom mode (changes size of Characters)
- # **key(short press):**
  Access to symbol table

Input modes

Editor mode: The **ABC mode** is used to write words that do not exist in
the dictionary. To get a particular character, please press the corresponding key several times: the characters will scroll down on your screen. **Mode 123** is used to add numbers.

Insert mode is used to add symbols, animations, call group icons and tunes: the SMS then becomes an EMS. Images and sounds can be of two types: pre-defined or customized. Pre-defined images and sounds are smaller, especially suited to exchanging messages.

Upper case

A short press of   the ✳ ✗ key will display the next letter in upper case.

Two short presses on the ✳ ✗ key allow you to switch to upper case editing mode for the whole message.

Punctuation characters

Punctuation characters are obtained thanks to key **1** (except in **123** mode), or with the help of **Insert** mode (fast access via the key).

Accented characters

Accented characters are generated automatically in T9 mode.
In ABC mode accented characters are available by pressing the key
supporting the non-accented character in succession.

Message

Compose MMS
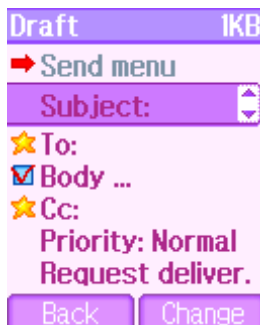
On the **Messages** menu, please choose the **Compose** menu and validate. Select the **MMS** option.

The functions offered are:
The functions offered are:
Subject: please write the subject of your MMS.
To: this option allows you to select the receiver.
Cc: this option allows you to select the receiver in copy.
Priority: to give a priority level to the message.
Delivery report: to choose to receive a delivery report.
Body: to enter text and multimedia objects to the message.
When the text has been entered in the **body** screen, the ✎ key **(options)** can also be used to access the functions offered:
Slide to compose a slideshow of the multimedia objects.
Send Send, Send and receive all, send later.
Insert to insert multimedia objects such as images, animations and sounds into your message.
Editor Mode to edit and format the text.
T9 options (see page 23).
Preview to see a presentation of the multimedia objects.

Warning: some message sendings may fail if the message contents is too big.

Message

Compose MMS

Saving your message

You can save your message as a draft by selecting « Save » from the options, when editing the Subject or the Body. You will be able to edit it later from the **Draft** menu.

Sending MMS messages

Once the MMS are sent, you have the option to save them in your Outbox.

It is recommended not saving them automatically: too many messages saved will quickly fill up the available memory and no further messages will be received.

Note: It is possible that the voice message format (.amr) is not supported by some PC. See your PC provider.

Receiving MMS messages

Three options are offered to retrieve your MMS: automatic, semiautomatic and manual options.

The « automatic retrieval » is automatically programmed in the phone. If you are using the network of another network provider, you will get a message informing you that an MMS has been received.

The « semi-automatic retrieval » gives you different options to retrieve the message.

If you only want to read it once using your own network, please select

« Manual Retrieval ».

Message

Receiving MMS

When you receive a message, the phone will play the ring tone that you have selected, and the message icon ⊠ will come on the screen of your phone.

If you do not read the messages, this icon remains displayed on the screen. When it flashes, the memory is full.

Receiving icons, backgrounds or tunes can take several seconds. An icon is blinking when the download of your message is in progress.

Note that you have three different possibilities for receiving MMS: automatically, semi-automatically or manually; if « manual mode » is activated, then you will receive only a notification in your Inbox, meaning that a MMS is available on the MMS Server; select this notification, and read it when you want to retrieve the MMS from the server. For more details about automatic and retrieval modes, see « Sending Options » on page 29.

Please contact your network provider to get more information on icons, backgrounds or tunes downloading.

Message

Received messages are stored in the SIM card or in the phone until you choose to delete them.

On the **Messages** menu, please choose the **Inbox** menu and **Select.**

Each message shows the presence of any attachments, the time and date the message was received and its size. Icons are used to describe
the type of message
Messages are listed in chronological order, the latest one being displayed first.

The quantity of Not Read and Not Retrieved messages is shown. Not Retrieved and Not Read messages are shown in bold.

Select a message and press the ✎ key. Choose one of the options given.

Enclosures (pictures or sounds), which you receive, can be saved in order to be used later on (stored…).

You can consult them in the corresponding menus (WAP bookmarks in **WAP**, tune in **Sounds**, backgrounds in **Look'n Feel**, and icons in **Call groups**).

Message

Drafts	*When you store a composed message, it is stored among the drafts.*

On the **Messages** menu, please choose the **Drafts** menu and **Select.**

Select a message and press the ✎ key. If you do not delete this message, it will remain as a draft and can be re-used even if you have already sent it.

Choose one of the options given: Delete all, Visualise, Modify, Details, Delete.

Sending options	*Several sending options are offered*

On the **Messages** menu, please choose **Options** and **Select.** Choose one of the options given: **SMS** or **MMS**.

The sending options which are proposed are: message centre number, store sent message, reply given, period of validity (during that period, the network provider will try to send the message), message format.

Message
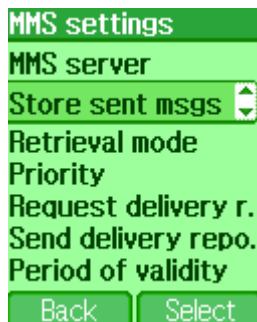
The proposed options are:
- **MMS server:** to select another MMS provider, or set the parameters of a new MMS provider.
- **Store message sent:** (it is highly recommended that you keep this function deactivated, in order to avoid a full memory),
- **Retrieval mode:** if you are in a poor coverage area, it may be more convenient to choose the manual retrieval mode which gives you the retrieve later option.
- **Priority:** selection of a priority to send a message.
- **Delivery report:** request of a delivery report when sending a message.
- **Send delivery report:** sending a delivery report when receiving a message.
- **MMS reject:** if you want to deactivate the reception of any MMS in your phone.

Message

Too many messages saved will quickly fill up the available memory and no further messages will be received.

On the **Messages** menu, please choose the **Outbox** menu and **Select**.
For each message, its characteristics (shown with an icon) and the time (or date) of sending are displayed on the screen.
Select a message and press the ✎ key.
Choose one of the options given: Delete sent, Read, Modify, Forward, Delete, Delete all.

On the **Messages** menu, please select the **Memory** option and **Select**.
Choose one of the options given: SMS or MMS.
The SMS screen displays the memory available either on the SIM card or on the phone.
The MMS screen displays how much memory is used in Kbytes

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Message

Local information

You can choose whether you want to receive this information or not (please contact your network provider).
On the **Messages** menu, please select the **Local info.** menu and **Select**.

Camera

This menu allows you to take photos and use them for different purposes. For instance, you can send them to another phone or an Internet address, store them, use them as wallpapers or screen savers.

Take and send a photo

Before taking a picture, some features need to be set. See the **Settings** menu.

Select the **Camera** menu. The camera is now on. Open the shutter at the back of your phone. Look into your phone display and position your subject. Move your phone to position your photo.

To activate one of the four available zoom levels, use the ▲▼ keys   You can set the luminosity using the ◆▶ keys:

 : to avoid backlighting, : outdoor, : low luminosity.

Press **Take**, the photo is taken and stays on the phone display.

Warning: if you press the ✏ key, you will go back to the previous screen and lose the photo you have just taken.

Briefly press the ✎ key to save your photo. You may have to choose the photo format, depending on your settings.

If there is not enough memory to save the photo, a warning message appears, prompting you to confirm whether you want to go on.
Once taken, the photo appears on the phone display. The name is made up with a number.
Note: using the camera during a call may disturb the call quality.
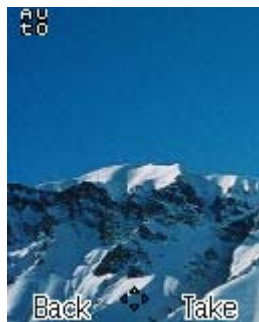
Camera

The **Options** menu appears, giving you the option to choose between:

- **New photo**: allows you to take a new photo,
- **Modify the name**: allows you to modify the name of a photo,
- **Send**: allows you to send the photo by MMS (see the **Message** menu).

Select one of the options with the ▲▼ keys and validate.

Multimedia

This menu gives you easy access to your favourite photos, pictures and sounds

My Photos	*This menu gives you access to your photos.*

Display a photo

On the **Multimedia** menu, please select the **My Photos** menu and **Select.**

The pictures stored are displayed on the screen. Please use the ▲▼ keys to select one of them.
Once you have selected a photo, press the ✎ key to validate the **Options** menu.

Select one of the options in the list with the ▲▼ keys and validate.
- **Use as**: allows you to use the photo as a wallpaper or screen saver,
- **Delete**: allows you to delete a photo,
- **Delete all**: allows you to delete all photos,
- **Modify the name**: allows you to modify the name of a photo,
- **Send by**: allows you to send the photo by MMS or IRDA (see the **Messages** menu),
- **Editor**: allows you to retouch the photo.
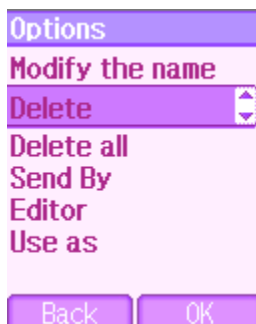
Multimedia
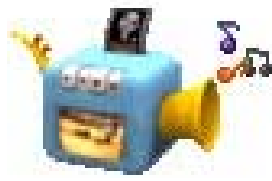
Edit a photo
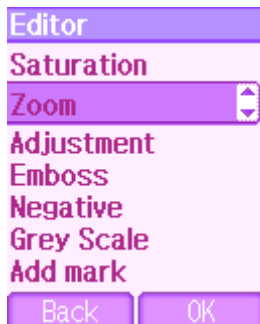
On the **Multimedia** menu, please select the **My Photos** menu and **Select**. Select a photo and the **Edit** option, the **Photo editor** menu appears.

Select one of the edit functions with the ▲▼ keys and validate:

- **Sepia**: allows you to change colors into sepia,
- **Zoom**: allows you to magnify certain parts of your photo,
- **Adjustment**: allows you to improve contrast,
- **Emboss**: allows you to modify a photo with an embossed grey tint,
- **Negative**: allows you to change a photo into negative,
- **Grey Scale**: allows you to change color into black and white,
- **Add mark**: allows you to add special characters or drawings to your photo,
- **Add frame**: allows you to surround your photo with a frame,
- **Contrast**: allows you to increase or decrease the contrast of your photo,
- **Sharpen**: allows you to sharpen a photo,
- **Blur**: allows you to add blur to a photo.

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Multimedia

My Pictures	*This menu gives you access to your pictures.*

On the **Multimedia** menu, please select the **My Pictures** menu and **Select.**

The pictures stored are displayed on the screen. Please, use the ▲▼ keys to select one of them.
Once you have selected a picture, press the ✎ key to validate the **Options** menu .

Select one of the options in the list with the ▲▼ keys and validate.

- **Use as**: allows you to use the picture as a wallpaper or screensaver,.
- **Delete**: allows you to delete a picture,
- **Delete all**: allows you to delete all pictures,
- **Modify the name**: allows you to rename a picture,

Multimedia

My Sounds	*This menu gives you access to your sounds.*

To access your sounds, use the same procedure as for your pictures (see the **My Pictures** menu).

Memory	*This menu indicates the memory size used by the different features of your phone.*

On the **Multimedia** menu, please select the **Memory** menu and **Select**.
Use the ▲ ▼ keys to select the different features using memory. You
can see the memory capacity used by each individual feature.

WAP

WAP (Wireless Application Protocol): a protocol that translates the Internet language into WML language that can be read by a phone. The WAP function allows you to log onto certain Internet sites. You can log onto sites that allow you to download tunes, icons or animated screensavers to your phone.

The WAP Menu

The WAP navigator is under Licence:

The WAP navigator is the exclusive Property of Openwave.
For this reason, it is forbidden to Modify, translate, disassemble or Even decompile all or part of the Software that makes up the navigator.

> You can activate the magnifying glass to increase the size of the characters by holding down the **#** key.

The **Services** menu, a dropdown menu, can be accessed at all times
when navigating through **WAP** pages.
Select the top left icon using the key.
Consult the Services Menu using the key; these Services Menus can
also be consulted from any WAP page, using the green key; these
Services menus contain all the following sub menus;
Welcome: logs onto the home page.
(carries the name of your access provider)
Bookmarks: is used to save in a phonebook the names and addresses
of Internet sites in order to make the access easy.
You can receive bookmarks from messages and add them to this list
(see chapter on SMS).
You can also send messages by SMS: select a bookmark, press the key **(Options)**, then select **Send by message**.
Go to URL: this menu allows you to input an Internet address directly.
Inbox: this menu allows you to check the messages sent by the Internet site.
Save items: is used to save a WAP site items.
Reload: refreshes the current page.
Reset cache: clears the stored information on previous connections.

WAP

Advanced…: choose one of the following advanced settings
- Settings
- Show URL
- Disconnect
- Circuit prompt (if user wants to confirm each logon)
- Security (is used to access information on making WAP connections secure).

About…: information on the browser.
Exit: returns to the phone's home page

Configuring WAP parameters

Select the **Advanced…** menu, then the **Settings** menu.
Choose from the proposed sub-menus:
Connection settings is used to select or modify your access provider's
logon parameters or configure the parameters of other access providers.
The active access service is preceded with a star.

Configuration of WAP and GPRS parameters:

All information to be entered in the parameters are provided by your operator or access provider.

- Choose the access service, then press **Options**.
- Enter the title and validate.
- Enter Internet address of home page and validate.
- Enter parameters of preferred connections:
GSM if not GPRS (by default): the logon to WAP services uses the **GPRS** as a priority. However, in the event of unavailability of the **GPRS** network, the GSM network is used to establish the link.
GPRS: the logon to **WAP** services uses the GPRS network exclusively.
GSM: the logon to WAP services uses the GSM network exclusively.

WAP

The **GSM parameters** to be entered are:
- Login
- Password
- IP address of WAP gateway
- Port type (secure or insecure)
- Dial-up number
- Mode (digital, analog or automatic)

In automatic mode access can be gained to the operator's network
by a digital link and an analog link to a different network (in roaming).
The **GPRS parameters** to be entered are:

- Login
- Password
- IP address of WAP gateway
- Port type (secure or insecure)
- APN: if no APN has been defined, press the ✎ key **(Options)** then
the APN menu. Select or add an APN.

Once all the settings have been entered, you can activate the chosen
access provider. Select him from the list. Validate your choice.

Linger timer is used to choose the time after which the call is
automatically disconnected if you have forgotten to log off from a
service.

WAP

WAP Logging on

The connection to a **WAP** service on the **GPRS** network is not cut if an incoming call is received. You can answer the call.

Using the **Welcome** menu, you can log onto your access provider's
WAP site by pressing the ✎ key.
If you are logging onto the **GSM** network, the @ symbol flashes, the
metering of the cost of the call starts as soon as it stops flashing.

Downloading sounds and images

Some **WAP** sites allow you to download tunes, icons or animated screensavers. Once downloaded, they are stored in your phone's memory. You can then save them in your phone (same operation as used for downloading using messages).

WAP Logging off

To log off, press the 📞 key. The logoff happens automatically after a few seconds of inactivity if you forget to log off. This period is defined by the linger time setting.

WAP

GPRS

A flashing icon indicates that the phone is logging onto a **GPRS** network.

A non-flashing icon indicates that the **GPRS** network is available; if the icon is dark, it indicates that the phone is logged onto the GPRS network: see page 43 for the attachment options.

This icon is not displayed if the **GPRS** network is not available or if the SIM card inserted in your phone does not include the GPRS service. It may also disappear when accessing WAP services if the connection uses the **GSM** network instead of the **GPRS** network.

Games

Your phone is supplied with at least two games: MegaBox Conquest and
Taquin. You can also download new games depending on your phone
and your subscription.

Built-in games	*Wallbreaker*

On the **Games** menu, please select the **Downloaded games** menu and
validate; this menu can also be accessed from the initial screen by a long press on the **9** key.
You can:

- Play the downloaded game already present (Wallbreaker). Use keys
  2, 4, 6, 8 or navigation key to move and **5** to accept or .
- Download new games (available from the catalog)
- Consult the loyalty points acquired during downloads, news, instructions,

- Make settings.

Downlaod games	*This optional menu has been developed by the company In-Fusio .*

On the **Games** menu, please select the **Downloaded games** menu and
validate; this menu can also be accessed from the initial screen by a long press on the **9** key.
You can:
- Download new games (available from the catalog)
- Consult the loyalty points acquired during downloads, news, instructions,

- Make settings.

Organiser

This menu gives you access to the different possible functions and actions provided by your diary and your Todo, on optio

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Diary

This menu gives you access to your diary and get to a day, week, month or specific date. It lets you add events, access the global actions for all the events and manage them by event category.
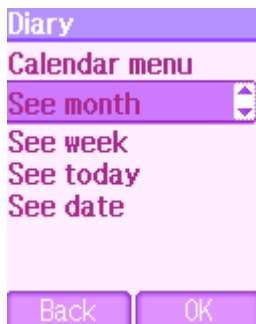
On the **Organiser** menu, please select the **Diary** menu and validate. Select one of the functions in the list with the ▲▼ keys and validate.

- **See date**: allows you to access events at a specific date.

- **See today**: allows you to access the events for the current day and the actions possible on any event (see, modify, delete and send).

- **See week**: allows you to access events on a week-by-week basis.

- **See month**: allows you to access events on a month-by-month basis.

- **Calendar menu:** see below

Organiser

Calendar menu
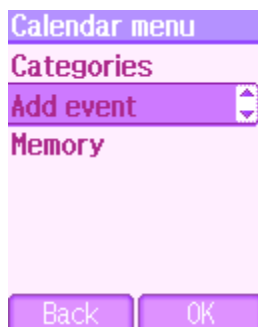
This menu lets you add events, manage events by category, see the available memory and delete all the events.
Select one of the functions in the list with the ▲▼ keys and validate.

- **Categories**: allows you to see the different event categories, assign
  a specific ring tone to each individual category, know the number of events in each category and see them.

- **Memory**: allows you to view the memory capacity used by the different functions of your diary.

- **Clean-up:** allows you to schedule the deletion of events that took place more than one day, week or month ago.

- **Delete all :** allows you to delete all the events from your diary.

- **Add events:** allows you to add events according to their categories. Select one type of event and validate. Fill in the different items. Save the event.

Organiser

ToDo menu
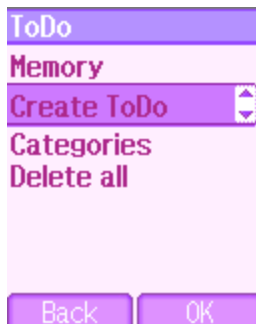
This menu allows you to add ToDo's, access category-based Todo management and delete all the ToDo's.

On the **Organiser** menu, please select the **ToDo** menu and confirm your choice.

Select one of the actions in the list with the   keys and validate.

- **Memory**: allows you to view the memory used by the different functions of your ToDo.
- **Categories**: allows you to see the different ToDo categories, assign

a specific ring tone to each individual ToDo, know the number of ToDo's in each category and see them.

- **Delete all**: allows you to delete all the ToDo's from your ToDo.
- **Create ToDo**: allows you to add ToDo of the text or voice type. Select

one type of ToDo and validate. Fill in the different items. Save the ToDo.

ToDo actions menu
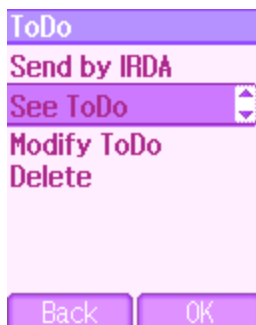
This menu allows you to do all the actions possible on any ToDo.

On the **Organiser** menu, please select the **ToDo** menu, choose a specific ToDo in the list and validate.

Select one of the actions in the list with the ▲▼ keys and validate.

- **Delete**: allows you to delete the ToDo.
- **See ToDo**: allows you to see the ToDo.
- **Modify ToDo**: allows you to modify the ToDo properties.
- **Send**: allows you to send the Vcalendar corresponding to the task by MMS, IRDA or a serial link

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Organiser

Sending a vCal	*You can send a vCal from each diary event and each Todo task. Yet, this function is available only on certain models of phone.*

You can send vCals to another phone using MMS or IRDA depending on your phone and the recipient's phone.

On the See today list, please select **an event** and in the Todo event actions menu list, select **Send**.

Then choose between EMS, MMS, IRDA or serial link for the type of sending and confirm.

For EMS and MMS deliveries, you should in addition select your contact information (phone number or Email address) before confirming.

On the task list (Todo main menu), please select **a task** and in the Todo task actions menu list select **Send**.

Then choose between MMS or IRDA for the type of sending and confirm.

When sending MMS, please select your contact information (phone number or Email address) before confirming.

If you receive a call while you are sending a vCal, the call will have precedence.

Organiser

Receiving a vCal

The vCal receipt mode differs with the type of delivery:
- By EMS or MMS, you receive a message you have to open to extract the vCal. You cannot add the event to your diary until you have saved it.
- By IRDA or serial link, you receive a message and when the download is completed, a message appears on your phone display, asking you what you want to do with the vCal (save it, delete it…). You can assign a different beep to each diary event or Todo task. You can also assign a different ring tone to each diary event category or Todo task category.

Synchronizaton with   A phone or a PC

You can synchronize your diary with that of another phone or PC, but the two devices must be connected through a serial link or IRDA and equipped with the appropriate software.Two sync types are possible, standard sync and fullsync. Full sync is required for the first synchronization whereas standard sync must be done regularly between the two devices.

If you receive a call during a synchronization the call has precedence. Synchronization will stop and you will have to start it all over again

Organiser

Calculator	This menu allows you to use your phone as a calculator
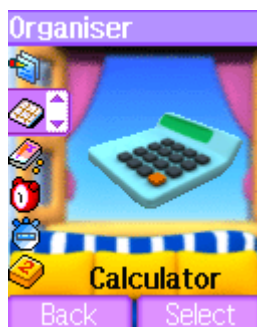
On the **Organiser** menu, please select the **Calculator** menu and **Select**.
You can use the calculator thanks to the following keys:

- ▲ **Up key:** Add
- ▼ **Down key:** Subtract
- ▶ **Right key:** Multiply
- ◀ **Left key:** Divide
- ➘ **Right programmable key:** Equals

- ✎ **Left programmable key:** Delete
- ✳☆# **key or #**: Decimal point.

If no calculations are being run, the ➘ *key allows you to use the value in the converter directly.*

Organiser

<table>
<tr><td>Converter</td><td>This menu allows you to convert one currency to another</td></tr>
</table>

On the **Organiser** menu, please select the **Converter** menu and **Select**.

Enter a value and press the ▲ key to convert from one currency to another, **or** the ▼ key to convert back.

The ✎ key allows you to use the following options:

Rapid exchange

If the Rapid exchange is activated, the converter will work in the initial screen by entering the desired numbers and pressing the ▲▼keys to convert.

Exchange rate

Enter the exchange rate corresponding to the chosen currency.

Currency

Enter the two types of currency to be converted.

Go to calculator

This option allows you to use immediately the value converted in the **calculator**.

Organiser

The alarm works even when the phone is switched off

Alarm	*This menu allows you to set and activate the alarm.*

On the **Organiser** menu, please select the **Alarm** menu and **Select**.
Activate or **Deactivate** the alarm and validate.
Set the wake-up time by entering the numbers directly or using the
▲ ▼ keys and validate.

🔔 *The alarm icon appears on the initial screen*

Timer	*This menu is used to set and activate the timer.*

On the **Organiser** menu, please select the **Timer** menu and **Select**.
Activate or **Deactivate** the alarm and validate.
Set the duration by entering the numbers directly or using
the ▲ ▼ keys and validate.

🔔 *The alarm icon appears on the initial screen*

Settings

This menu allows you to set your phone.

Volume and ring tone

This menu allows you to allocate a ring tone to each type of event.
On the **Sounds** menu, please select the **Ring tones** menu and **Select**.
Select one of the events given: Alarm, Calls, Messages, Local Infos and Fax and validate.
Select the **ring tone** from the proposed list and validate.
Adjust the **volume** using the ▲▼ keys and validate.

You can deactivate the sound by pressing the ✳🔔 key.

Voice Calls: the ring tone selected here will be played only when receiving a call from a contact stored without any call group. Otherwise,
the ring tone selected for this call group will be played.
This menu allows you to activate the vibrate mode for calls.

Vibrate

On the **Sounds** menu, please select the **Vibrate** menu and **Select**.
Select the vibrate mode from the proposed choices (ring tone and vibrate, vibrate only, vibrate inactive or vibrate plus ring tone) and validate.

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Settings

Warning: vibrate mode is not a priority regarding the ring tone selected
on the call group. To make vibrate mode apply in general, switch to Silent mode.

Silent mode

This menu allows you to switch to Silent mode.
On the **Sounds** menu, please select **Silent mode** and **Select**.
Activate or **deactivate** Silent mode and validate.
Silent mode can also be accessed via the initial screen by holding down

the 🎵 key.

🎵 *When the phone is in silent mode, the relevant icon appears on the initial screen.*
In this mode, the ring tone will not function, except for the alarm clock.

Beeps
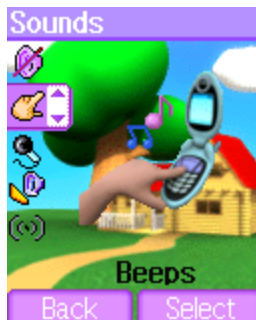
This menu allows you to activate a beep for each type of event.

On the **Sounds** menu, please select the **Beeps** menu and **Select**.

Select the type of beep you want to allocate from the proposed choices
(Key beep, Network beep or Battery beep) and validate. Activate or deactivate the beep and validate.

If you select key beeps, different options are given.

Settings

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Recorder

These menu allows you to record you own melody.

On the **Sounds** menu, please select the **Recorder** menu and **Record**.
Record your melody or your voice by means of the microphone then save it.
Give it a name and validate. The new melody is saved in the ring tone
list.

Display

This menu allows you to customize your screen by choosing a different presentation.

This menu allows you to choose the skin of your phone, i.e. define its look (text font, colors, default animation, background image…).
On the **Look'n feel** menu, please select **Skins**.
Select the desired skin and validate.
Skins are not downloadable but you can download screensavers and boot mode animations without changing those included by default with the skin.
This menu allows you to customize your screen by choosing a different Presentation.

Settings

.

Wallpapers

This menu allows you to display the background picture you want on your phone.
On the **Look'n feel** menu, please select the **Wallpapers** menu and **Select**.

Select the Wallpaper and **Visualise**. The picture appears in the background of the screen.

Press the ✎ key to validate this choice, or the ✎ key to go back to choice.

Screensaver

This menu allows you to display an animation when the phone is in standby mode.
On the **Look'n feel** menu, please select the **Screensavers** menu and **Select**.
Select one of the screensavers given and **Visualise**.
The chosen screensaver appears on the screen, validate it.
Adjust the screensaver display time (more than 60 seconds) and validate. The screensaver comes on the screen each time the display time that has been selected runs off.

Settings

Camera	This menu allows you to set the camera feature of your phone.

On the **Settings** menu, please select the **Camera** menu and **Select**. Do the settings with the three menus below.

Timer

This menu allows you to set the delay of the timer used when taking a photo.

Click sound

This menu allows you to select the sound you will hear when taking a photo

Format

This menu allows you to choose the format in which your photo will be saved. There are several options:
- either you ystematically set the photo format to one of the following: **High resolution** or **Mobile format**,
- or you can choose the photo format on a case-by-case basis.

Settings

Languages

This menu allows you to choose your phone's display language.

On the **Settings** menu, please select the **Languages** menu and **Select**.

Select your language and validate.
If you select **Automatic**, the language used will be the one relative to your SIM card.

Calls

*The **Calls** menu allows you to manage and check all the calls made or received (outgoing and   incoming).*

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Settings

.

Calls forwarded

Depending on your subscription, this service allows you to forward incoming calls to a different number or to the voice mailbox.

On the **Calls** menu, please select the **Calls forwarded** menu and **Select**.

Choose the type of forwarding you want from the options available

View last calls

This menu allows you to access the list of last numbers used.
On the **Calls** menu, please select the **View last calls** menu and **Select**. *For every phone call are displayed on the screen:*
- its characteristics (shown with an icon),
- the time (or date),
- its duration.
Select a call from the list and validate.
Select one of the options given: Call, Store in your phonebook, Send a message, Delete, Delete all.
You can also make the call by pressing the ⌐key

Settings

.
Fast access to the list of calls from the initial screen: press the key.

Counters

This menu allows you to consult the duration of the up calls.

It can also be used to check the volume of data exchanged in GPRS.

On the **Calls** menu, please select the **Counters** menu and **Select**.

Select one of the options given

Display number

This menu allows you to modify the status of the display number function.
On the **Calls** menu, please select the **Display number** menu and **Select**.
Select one of the options given: Anonymous mode, My number, Callers number.

Anonymous mode
You have the facility to mask your number on the phone of the person you are calling.
Preset: network default mode.
No: you choose not to activate anonymous mode and then to display your number.
Yes: you choose to active anonymous mode and then not to display your number. *access to the list of calls from the initial screen: press the key.*

Settings

.

During a call, you may be informed that a caller is trying to reach you : you hear a special tone. The caller's identity is displayed on the screen(name or number).

Call waiting

(Operator-dependent service)

On the **Calls** menu, please select the **Call waiting** menu and **Select**.

You can **activate, deactivate,** or **consult the status** of the call waiting
service in order to check if it is active or not.

During a call, if a second caller tries to contact you, the screen displays
the call warning.

Automatic redial

This menu allows you to call back a caller you have not managed to reach.

On the **Calls** menu, please select the **Automatic redial** menu and **Select**.

You can set the redial function to inactive, on request or systematic.

If you choose **On demand**, your phone will offer to redial your caller automatically if his number is busy.

Settings

.

PIN number

This menu allows you to activate and modify your phone's PIN.

On the **Security** menu, please select the **PIN number** menu and **Select**.

To modify the PIN, select **Modify** and **Select**.
Enter old PIN and validate.
E0nter new PIN twice and validate.

PIN number 2

You have a second PIN number to allow you to access certain functions*.

* These functions may or may not be available depending on your SIM card.

Proceed as above in order to activate, deactivate or modify PIN number 2 of your phone.

Settings

Phone code

The Phone code menu allows you to activate the phone code so that it is requested and checked whenever the phone is switched on if a different SIM card is used. This code is automatically linked to the SIM card installed when the phone is activated, for example to protect the phone if stolen.

To activate or deactivate the phone code, select the **Phone code** menu and validate.
Enter 0000 (the factory code, by default) and validate.
Select **Activate** or **Deactivate** and validate.

To modify the phone code, select **Modify** and validate.
Enter old phone code and validate.
Enter new phone code and validate.
Enter phone code again to confirm it and validate.

Settings

The Confidentiality function is used to delete numbers stored in View last calls and the SMS stored in the memory when a new SIM card is inserted into the phone..

Security	*This menu allows you to configure your phone's security settings.*

Confidentiality

This menu allows the activation of automatic deletion, after power off/on, for messages and/or calls stored in the phone.

On the **Security** menu, please select the **Confidentiality** menu and **Select**. Select **Activate** or **Deactivate** and validate.

Operator
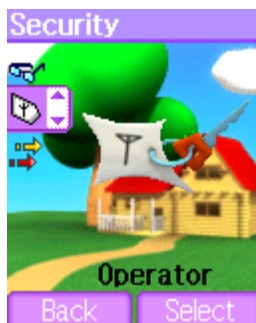
This menu allows you to modify the call barring.

On the **Security** menu, please select the **Operator** menu and **Select**.

Access to this service depends on your type of subscription.

Settings

Call barring can be applied to ALL calls (incoming and outgoing), to all incoming calls when you are away from your home country (if roaming available).

Call barring

This menu allows you to block the sending or reception of certain calls.Before you can use this service, a password will be provided by your operator when you take out your subscription.

On the **Security** menu, please select the **Call barring** menu and **Select.**

Select **Activate** or **Deactivate** and validate.

Access to this service depends on your subscription type.

Fixed dialling

This menu allows you to restrict the outgoing calls.

The availability of this menu depends on your SIM.

On the **Security** menu, please select the **Fixed dialling** menu and **Select**.

Enter PIN number 2 and validate.

Select **Activate** or **Deactivate** and validate.

Proceed as for any other phonebook.

When activating this function, only the numbers stored in the phonebook can be called.

This phonebook is linked to the SIM card, and its size depends on the card's capacity.

Settings

Cost

This menu allows you to control the cost of your calls (*).
On the **Security** menu, please select the **Cost** menu and validate.
The **Cost** menu (*) lets you check the cost of the last call you made
and of all the calls you made since you last deleted them.
The **Delete costs** menu (*) lets you delete the cost of your last call
and reset the cost counter after entering your PIN 2 code.
(*) WARNING
Depending on how the networks and associated subscription cards
are configured, some functions

Networks

This menu allows you to configure network preferences.

On the **Settings** menu, please select the **Networks** menu and
Select.
Choose **Preferred** to view all the pre-registered networks.
Choose **Selection** to activate (automatically or manually) one of the
networks accessible in the area in which your are located.
Choose **Network type** to select your network: GSM-DCS or PCS
(depending on model).
Choose **GPRS** to select the way you want to be attached on the
GPRS
network: always, or only when needed (when launching a data
connection).

Settings

Others

Car kit

This menu allows you to access the various accessories offered by your phone: car kit and data parameters.
This menu allows you to configure your phone with a car kit.
On the **Others** menu, please select the **Car kit** menu and **Select**. Choose one of the options given: Automatic response, Switch off, Kit volume.

Data

This menu is used to configure the data exchange with another device (Personal Digital Assistant, PC, etc.).
On the **Others** menu, please select the **Data** parameters menu and validate. With the **IRDA** menu, you can activate the infrared connection from your phone; this allows you, for example, to connect your handset to your computer, in order to download newpictures or ring-tones, using the « my Picture and sound » software (available on http://www.sagem.com). Use the **Speed** menu to configure the data transfer speed if you are using AT commands.
You can also connect it to your computer in order to receive data or fax through GSM or GPRS network: configure the connection parameters of your computer using the Wellphone CD supplied as an accessory.

Settings

Energy saving

This function is used to deactivate the screen backlight and to select th economic mode.

On the **Others** menu, please select the **Energy saving** menu and **Select**.

Backlight: choose one of the options given: Deactivate, Full backlight, Screen only, and validate.

By deactivating the screen backlight, you increase the battery life of your phone.

Warning: display legibility is reduced.

Economic mode: choose one of the options given: Partial, Deactivate, Complete, and validate.

When choosing the economic mode, the screen goes out(standby mode) To quit economic mode, press the 📞 key.

Shortcuts	*This menu allows you to allocate functions to the programmable keys.*

This menu allows you to customize the settings of your phone to make it as convenient as possible for you to use.

On the **Settings** menu, please select the **Shortcuts** menu and **Select**.

Select the key that you wish to modify and validate.

Choose the function that you want to allocate to this key and validate

Settings

Data / Time

Set Data/Time

This menu allows you to set the date and time of your phone.
On the **Date / time** menu, please select **Set Data/Time** and validate.
Date: set the date by entering it directly in digital form or by using the
▲▼ keys.

Use the ▶ (or ◀) key to access the next (or previous) entry field.

Once the date is correct, validate it.

Time: same procedure as for setting the date.

Display

This menu allows you to select the date and time display type.

On the **Date / time** menu, please select **Display** and validate.

In the list that appears, select the desired display type between:

- Analog,
- Digital,
- None,

by using the ▲▼ keys and validate.

Settings

Time Zone

This menu allows you to change time in relation to the GMT time.
On the **Date / time** menu, please select **Time zone** and validate.
Choose the time of the country desired by calculating the time from the GMT time.

Daylight savings

This menu allows you to set your phone to the summer/winter time.

On the **Date / time** menu, please select 1 h, 2 h **Summer time** or **Winter time** depending on the season, and validate.

Service

This menu allows you to access numerous services offered by your operator. The list of these services will appear in the menu depending
on your subscription

Services	*This menu allows you to access your operator's basic services.*

On the **Services** menu, please choose from the list offered.
This list depends on your SIM.

Technical features

Use of your phone is subject to safety measures designed to protect users and their environment.

Electrical safety:

Only use the chargers listed in the manufacturer's catalogue. Using any other charger may be dangerous; it would also

invalidate your warranty. Line voltage must be exactly the one indicated on the charger's serial plate.

Aircraft safety:

When travelling by plane, you will need to switch your phone off when so instructed by the cabin crew or the warning signs.
Using a mobile phone may be dangerous to the operation of the aircraft and may disrupt the phone network.

Explosive materials:

Please comply with warning signs at petrol station asking you to switch your phone off. You will need to comply with radio
equipment usage restrictions in places such as chemical plants, fuel depots and at any location where blasting operations are
under way.

Electronic medical equipment:

Your phone is a radio transmitter which may interfere with electronic medical equipment such as hearing aids, pacemakers, etc.
Your doctor or the manufacturers of such equipment will be able to give you any advice you may need in this area. Always make
sure that your phone is switched off in hospitals when so instructed by warning signs or by medical staff.

Road safety:

Except in emergencies, do not use your phone when driving unless you have a hands-free kit enabling you to manoeuvre freely.
In order to give your full attention to driving, stop and park safely before making a call. You must comply with any current legislation.

This phone complies with European requirements governing exposure to radio waves. Your phone is a transmitter/receiver. It
has been designed and manufactured to comply with radiofrequency energy exposure limits recommended by the Council of
the European Union and the ICNIRP for the entire population. These limits were established by independent scientific agencies
on the basis of in-depth and regular evaluations of scientific studies. The limits include a large safety margin that is intended to
guarantee the safety of all, irrespective of age or state of health.

The exposure standard for phones uses a unit of measure called the SAR, or Specific Absorption Ratio. The SAR limit

recommended by the Council of the European Union and the ICNIRP is 2 W/kg (*). Tests were conducted on a standardised
usage position basis, with the phone transmitting at its maximum level certified in all its frequency bands. Although the standardised measurement is done at maximum power, the real SAR of the phone in use is generally very far below the maximum value. The phone was designed to operate at the power level strictly neces-sary to ensure communication with the
network. In general, the closer you are to a base station, the lower the power at which the phone will transmit.

Validation of conformity with European directive 1999/5 (directive R&TTE) is a pre-requisite for introducing any model of phone onto the market. Protection of health and the safety of the public and the user are a vital requirement of this directive. This model's maximum SAR value measured in the conformity test is 0.65 W/kg. Although differences may exist from one phone tothe other and depending on position, all comply with European regulations.

(*) The SAR limit for phones used by the general public is 2 watts/kilogram (2 W/kg) on average for 10 g of tissue. This value
includes a large safety margin to increase protection and to take account of the variations in measurements. The SAR
information may vary in different parts of the world, depending on declared national requirements and the frequency bands used by the network.

Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

.POTE NTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cauls e an explosion or fire resulting in bodily injury or even death.

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INTERFERENCE TO MEDICAL DIVICES

Certain electronic equipment may be shielded against RF signal from you wireless phone. (pacemakers, Hearing Aids, and so on) Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so.

RF signals may affect improperly installed or inadequately shielded electronic system in motor vehicles.

.EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna.

Do not touch the antenna unnecessarily when the phone is in use.

Do not move the antenna close to, or touching any exposed part of the body when making a call.

FCC Compliance Information

This device complies with Part 15 of 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.

Information to User

This equipment 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 or an experienced radio/ tv technician for help.

SAFETY INFORMATION FOR RF EXPOSURE

Body worm operation

This device was tested for typical body-worn operations with the back of the phone kept 25 mm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 25 mm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

SAR INFORMATION

THIS MODEL PHONE MEETS THE GOVERNMENT' S
REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 0.9 **W/Kg** and when worn on the body, as described in this user guide, is **0.235 W/Kg**. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/ oet/fccid after searching on **FCC ID : RY3NHC-1000   .**

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Asso-ciation (CTIA) web-site at http://www.wow-com.com.
* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a sub-stantial margin of safety to give additional protection for the public and to account for any variations in measurements.

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION

RADIO FREQUENCY INTERFERENCE STATEMENT

INFORMATION TO THE USER

NOTE : This equipment 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 of a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

Changes or modification not expressly approved by the party responsible for Compliance could void the user' s authority to operate the equipment. Connecting of peripherals requires the use of grounded shielded signal cables.