PCS 1900 MOBILE STATION
HANDHELD PORTABLE TELEPHONE

M4 Social
(MT-239)

User Operations Manual
Part 2

Version 1.0

14 July, 1999

Table of Contents

8. USING THE PHONE BOOKS

8.1   GENERAL ACCESS TO PHONE BOOKS

Reading phone books is provided by the following ways:

- Quick phone book access via the **Names** softkey,

- Access to phone books via the Phone Book/Recall menu folder.

8.2   READING PHONE BOOKS

8.2.1   ACCESS

8.2.1.1 FROM THE IDLE SCREEN
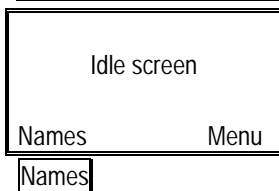
Idle screen Names Menu	Idle screen:
Names	Direct access to phone books (Quick ADN)
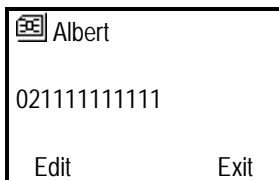
Albert 021111111111 Edit Exit	**Phone Book card display:** The first phone book card in alpha order is Albert. Albert is in SIM ADN phone book

8.2.1.2 FROM THE MENU

```
Voice Mail
Phone Book
Messages
Call & Times
 Select          Exit
```
Main Menu:

Select — Choosing Phone Book item

```
Recall
Store
Remaining
Own Numbers
 Select          Exit
```
Phone Book Menu

Select — Choosing Recall item

```
Initials:
|

 Ok             Exit
```

Initial card selection
In this case, you are requested to enter an initial name for display
Press **Ok** to validate, or enter a 3 character string: the display will start at the first card with name starting by these characters or the following card that has the closest name initials

"BE" — If you validate with no entry, the display starts by the first card in alphabetical order
BE is the first name to found or a name beginning by BE.

```
Initials:
BE|

 Ok             Clear
```
Initial card selection

Ok — Entry validation

```
Colette

02123423423

 Edit           Exit
```

Phone Book card display:
Display starts by Colette, which is the nearest name equals or starts after BE in phone books.
An "Actions" menu allows various operations on the current displayed card.
SEND allows calling the number directly. Edit allows entry edition

that needs using a phone number.
Actions key gives access to the actions menu with items (Edit, Delete, Copy and Move, Call and Melody items)

8.2.1.3 FROM VARIOUS OPERATIONS

This is the case when a Names softkey allows consulting the phone book in order to select a phone number to be used in the current process.

In this case, the selection of a card implies the usage of the phone number for the parent operation in progress and allows continuing operation process only. After selection of a card or when exiting the phone book consultation process, the parent operation is resumed at the same step as before going into phone book consultation process. In this case, the card display looks like this: In this case, Select or SEND have the same effect and select the corresponding number to be used in the parent operation.

```
📧Colette


02123423423


 Select        Exit
```
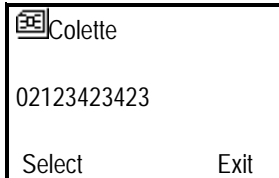
Phone Book card display:
Select selects the card for the parent process
Exit exits to the parent process without selection
Actions and SEND key have no effect.

8.2.2   READING PHONE BOOKS

8.2.2.1 PHONE BOOK CARD DISPLAY

```
🖊My Boss


021111111111


 Edit         Exit
```
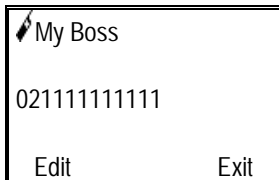
Phone Book Card display:
The cards are displayed one by one.
The phone book storage of the card is indicated by a symbol : 📧 for SIM, 🖊 phone ADN file.

Press ▢ key to navigate in the cards. Continuous presses allow fast navigation.
* and # keys allow also phone book navigation.
Presses on numeric keys allow accessing directly the cards, which name starts by the corresponding key associated letter. Successive presses on the same key allow going to the next letter (for example, press on 2 goes to A, new press to B, new press to C, etc. See below for the rules for such a navigation.
To exit the phone books, press Exit softkey (END can also be used when no call is connected)
Edit softkey allows editing the card content.
Press Actions key to access the "Actions" menu.
Press SEND to Call the related number immediately

8.2.2.2 NAVIGATION IN PHONE BOOKS USING THE NUMERIC KEYPAD

The navigation in phone books is possible using the numeric keypad for a fast access to entry by alpha-identifiers.

The rules are as follows:

Pressing on a key allows to go to the first entry whose alpha identifier has a key-associated letter as alpha tag initial, in increasing order. Successive key presses on the same key allows to go to the next associated-key letter, if existing, or go a previous one of the key associated letter if not.

Example: the phone book contains "Alfred" and "Cool". Successive key presses on 2 key go between "Alfred" and "Cool".

If no entry has an alpha tag starting with the key associated letter, the display goes to the next entry whose letter is higher than the current letters of the current key.

Example: the phone book contains "Alfred" and "Cool" and "Mummy". Successive key presses on 2 key go between "Alfred" and "Cool". A press on 3 key goes to "Mummy". Successive key presses on the 6 key stay to "Mummy" display.

If no entry follows the current key associated letter, the display goes to the first phone book entry, in alpha order.

Example: the phone book contains "Alfred" and "Cool" and "Mummy". A key press on the 8 key goes to "Alfred".

8.2.2.3 "ACTIONS" MENU CONTENT

Item	Function
Edit	To edit the card information
Delete	To delete the card
Copy	To copy the card to another place
Move	To move the card to another place
Call	To call the card phone number (For selection for a parent operation, this selects the phone number to be used as a result in this operation)

8.2.2.4 CALLING/SELECTING THE CARD PHONE NUMBER

To dial from the phone books, go into the phone books via the **Names** softkey, choose Phone Book/Recall folder and press **SEND** when the desired card is displayed.
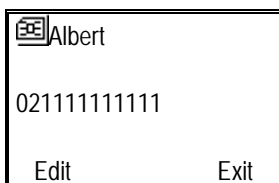
```
📇Albert


021111111111

 Edit        Exit
```
Phone Book Card display:

SEND — Calls the card phone number

8.2.2.5 DELETING A CARD

```
📇Albert


021111111111

 Edit        Exit
```
Phone Book Card display:
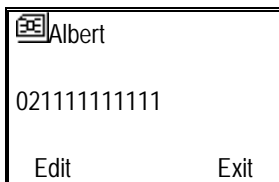
Actions — Access to "Actions" menu
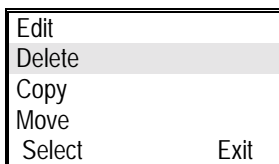
```
Edit
Delete
Copy
Move
 Select      Exit
```
"Actions" menu:

Select — Points Delete and validate
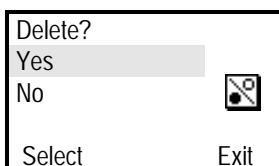
```
Delete?
Yes
No          ⊠

 Select      Exit
```
Binary choice screen:

Select — Deletes the entry
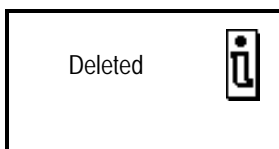
```
 Deleted    ⓘ
```
Information screen:
The screen is displayed 1 second.
Screen exiting by any softkey.

```
✎Bernard

0212345678

 Edit          Exit
```

Phone Book Card display:
The display goes to the next card in alpha order after Albert. Albert is in phone ADN_1 file.

8.2.2.6 EDITING A CARD

```
📇 Albert

021111111111

  Edit          Exit
```
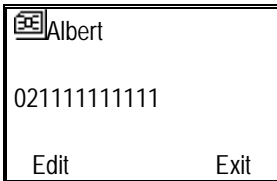
Phone Book Card display:

```
Edit
```

Card edition
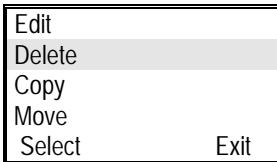
```
  "Card edition
   Procedure"
```

Card edition procedure:
See Store item for details.

8.2.2.7 COPYING A CARD

📇Albert 021111111111 Edit Exit	Phone Book Card display:
Actions	"Actions" menu access
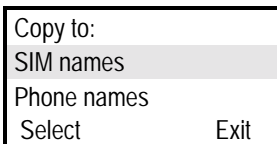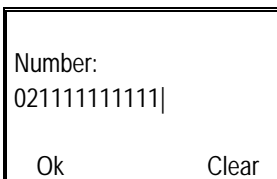
Edit Delete Copy Move Select Exit	"Actions" menu:
☐ **Select**	Selects Copy and validate

Copy to: SIM names Phone names Select Exit	**Question:** You are requested to choose a destination phone book: You have the choice between SIM phone book, Phone memory).
☐ Select	Selects phone memory as destination and validates
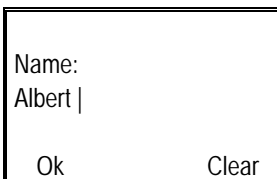
Number: 021111111111| Ok Clear	**Number editor:** You can edit the number before copy. Use ☐ key to navigate and change digits (in a circular way). Press **Clear** softkey to delete digits before cursor. Long press **Clear** softkey to delete whole entry
Ok	Validates the number

Name: Albert | Ok Clear	**Name editor:** You can edit the name before copy. Use ☐ key to navigate and change digits (in a circular way). Press **Clear** softkey to delete digits before cursor. Long press **Clear** softkey to delete whole entry
Ok	Name validation

Copied 12 entries left 📋 Exit	**Information screen:** 2 seconds display or press any softkey to erase screen No action is performed If no change in phone book localisation and card content. The associated ring tone or melody remains the same as the one of the original card.

8.2.2.8 MOVING A CARD

The process is the same as for a copy operation. No action is performed if no change is detected in phone book selection and card information.

8.3 WRITING IN PHONE BOOKS

8.3.1 ACCESS

Storing data in phone books can be realised using the following means:

- Access the Phone Book/Store menu folder and follow instructions. In this case, no initial data is given and you have to enter all data,

- Access to an option menu, where the item Store is proposed. In this case, the phone number and /or name in use is used as initial entry for storage operation,

- From any screen, when the Store softkey allows storing the number or SS string currently displayed.. In this case, the phone number and / or name in use is used as initial entry for storage operation.

Storing is possible in Phone and SIM ADN phone books.

8.3.2 OPERATIONS

8.3.2.1 FROM THE MENU

Voice Mail	
Phone Book	
Messages	
Call & Times	
Select	Exit

Main Menu:

Select

Choosing Phone Book item

Recall	
Store	
Remaining	
Own Numbers	
Select	Exit

Phone Book Menu:

□ **Select**

Selects Store item

Add name in:	
Phone names	
SIM names	
Select	Exit

Phone Book Choice:
You have to choose where to store the card.
The last choice is proposed by default.
All phone books are proposed for storage

□ **Select**

SIM phone book choice validation

Warning	
SIM	⚠
Full	

Warning screen:
The phone book is full; user warning.
Display during 1 second and error beep.
Press any softkey to leave.

"Timer"

Add name in:	
Phone names	
SIM names	
Select	Exit

Phone Book Choice:
You have to choose where to store the card.
The last choice is proposed by default.
All phone books are proposed for storage

… **Select**

Phone Private phone book choice validation

```
Number:
|

              Exit
```
"1 2 3 4 5 6 7 7 8 9"

Enter number:
Phone number editor

Number entry

```
Number:
1234567789|

  Ok        Clear
```
Ok

Enter number:

Number validation

```
Name:
|

  Ok        Exit
```
"John"

Enter name:
Alphanumeric editor.

```
Name:
John |

  Ok        Clear
```
Ok

Enter name:

Name validation

```
    Stored

  Ent, left : 43
              Exit
```
Right softkey

Information:
Display during 3 seconds. The screen gives the storage localisation and information on storage remaining capacity.

Screen exit
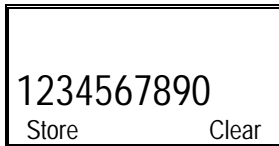
```
Recall
Store
Remaining
Own Numbers
 Select       Exit
```

Phone Book Menu:
Return to the phone book menu after storage.
In case of access from a parent process, return to this process at the point of leaving.
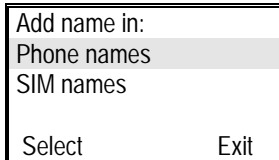
8.3.2.2 FROM THE DIALLING SCREEN

```
┌─────────────────────────┐
│                         │
│ 1234567890              │
│  Store        Clear     │
└─────────────────────────┘
```

Dialling   screen:

┌──────┐
│ Store │
└──────┘

Direct access to storage procedure
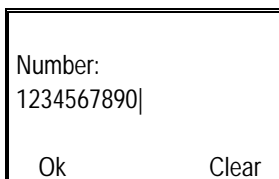
```
┌─────────────────────────┐
│ Add name in:            │
│ Phone names             │
│ SIM names               │
│                         │
│  Select        Exit     │
└─────────────────────────┘
```

Phone Book Choice:
You have to choose where to store the card.
The last choice is proposed by default.
All phone books are proposed for storage

┌──────┐ ┌────────┐
│ ... │ │ Select │
└──────┘ └────────┘

<u>Phone Private</u> phone book choice validation

```
┌─────────────────────────┐
│                         │
│ Number:                 │
│ 1234567890|             │
│                         │
│  Ok           Clear     │
└─────────────────────────┘
```
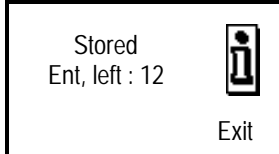
Number confirmation:
The dialled number is proposed as initial entry

┌────┐
│ Ok │
└────┘

Number validation

…The remaining part of the process is the same.

After storage:

```
┌─────────────────────────┐
│                    ┌──┐ │
│    Stored          │i │ │
│    Ent, left : 12  └──┘ │
│                    Exit │
└─────────────────────────┘
```
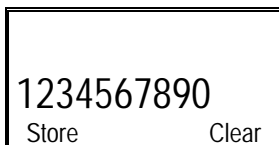
Information:
Display during 5 seconds. The screen gives the storage localisation and information on storage remaining capacity. When storing in phone phonebooks, the remaining storage gives the information for all the available storage in phone for the business + private phonebooks

┌───────────────┐
│ Right softkey │
└───────────────┘

Exits screen display

```
┌─────────────────────────┐
│                         │
│ 1234567890              │
│  Store        Clear     │
└─────────────────────────┘
```

Dialling   screen:
Return to the dialling screen, at the stage before writing in phone books

8.4   MEMORIES CAPACITY CONTROL

The "Phone Book/remaining" menu folder allows seeing the remaining capacity of all phone books. For the phone phonebooks, the information given is a global one (for business + private phonebooks together).

Recall
Store
Remaining
Own Numbers
Select   Exit

Phone Book Menu:

Select

Selects <u>Remaining</u> item

Phone names
Total 200
34 free
Exit
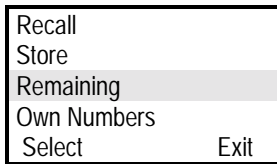
Remaining information:
The remaining information is given globally for the phone (business + private) phonebooks.

Go to next screen
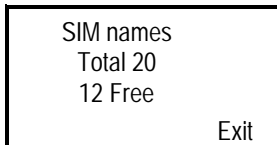
SIM names
Total 20
12 Free
Exit

Remaining information:

Go to next screen

SIM Fixed
Total 10
10 Free
Exit

Remaining information:

Go to next screen

SIM names
Total 20
12 Free
Exit
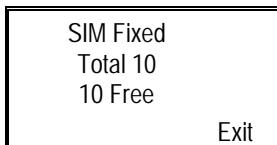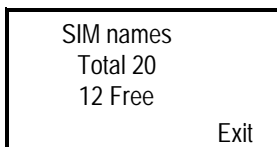
Remaining information:
First screen again now

Exit

Exits

Recall
Store
Remaining
Own Numbers
Select   Exit
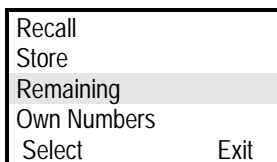
Phone Book Menu:

8.5   OWN NUMBERS DISPLAY

8.5.1   PRESENTATION

Some personal numbers can be attached to your subscription:

- Your first GSM line (DCS line 1) phone number,

- Your second GSM line (DCS line 2) phone number, if any,

- Your Data phone number, if any (a "data" phone number where you can receive files),

- Your Fax phone number, if any (a "fax" phone number where you can receive faxes),.

These numbers can be set and read by an access to the Phone Book/Own numbers folder.

8.5.2   EXAMPLE

The user has 2 DCS lines and a fax line. He edits the fax line name.

Recall Store Remaining Own Numbers Select Exit	Phone Book Menu:
Select	Selects Own numbers item
Line 1 +33299831111 Edit Exit	Own numbers list
☐	Go to next item
Line 2 +332992222 Edit Exit	Own numbers list
☐	Go to next item
Fax +332991234 Edit Exit	Own numbers list
Edit	To edit the card
Number: +332991234| Ok Clear	The number is proposed as initial entry
Ok	Number validation

```
┌─────────────────────┐
│                     │
│ Name:               │
│ Fax |               │
│                     │
│   Ok          Clear │
└─────────────────────┘
```

Own numbers list
The entry name size is limited to SIM card name size and language dependent.

"Clear long press"   To edit the card
"MyFax"

```
┌─────────────────────┐
│                     │
│ Name:               │
│ My Fax |            │
│                     │
│   Ok          Clear │
└─────────────────────┘
```

Own number edit name:
The entry name size is limited to SIM card name size and language dependent.

OK   Validates the name

```
┌─────────────────────┐
│ My Fax              │
│                     │
│ +332991234          │
│                     │
│   Edit         Exit │
└─────────────────────┘
```

Own numbers list

Exit   Exits of the list

```
┌─────────────────────┐
│ Recall              │
│ Store               │
│ Remaining           │
│ Own Numbers         │
│  Select       Exit  │
└─────────────────────┘
```

Phone Book Menu:

8.6   USING FIXED DIALLING

8.6.1   PRESENTATION

Fixed dialling is only possible with SIM cards with the EF_{FDN} file. The knowledge of the PIN2 code is mandatory to turn on or off this mode of operation.

Fixed dialling is a feature allowing to make restrictions on outgoing and diverted calls. Fixed dialling controls are also applied for destination numbers used in SMS and for all SS operations involving phone numbers (when activating a call diverting for example). When in fixed dialling mode:

- When dialling any number, this number is controlled towards the EF_{FDN} file content. If a match can be found, the call set up is allowed otherwise an error message indicates the problem,

- When Setting a call diverting service, the same controls are made between the FTN and the EF_{FDN} file content. If no match can be found, the SS operation is rejected immediately and an error message indicates the problem.

When comparing a phone number to the numbers in the EF_{FDN} file, partial matches are allowed if wild characters are used in EF_{FDN} entries.

8.6.2   READING THE FDN FILE

8.6.2.1 ACCESS

Fixed dialling	
Select	Exit

Phone Book Menu:

Select   Selects Fixed Dialling

View	
Add New	
Status	
Select	Exit

Allowed numbers menu:

Select   Validates View

Albert	
021111111111	
Edit	Exit

FDN Card display:
Same behaviour as standard phone book cards display
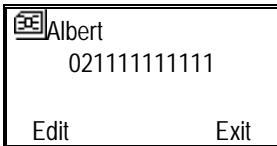
8.6.2.2 CALLING A NUMBER

Same operations as for standard phone books.

8.6.2.3 "ACTIONS" MENU

Same operations as for standard phone books. If the SIM EF_{FDN} file is updated, the PIN2 code is requested just before the modification if it has never been entered since the last Allowed numbers item access.

8.6.2.4 DELETING A FDN CARD
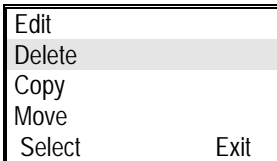
📇Albert 021111111111 Edit Exit	Phone Book Card display:
Actions	Actions key to access the "Actions" menu
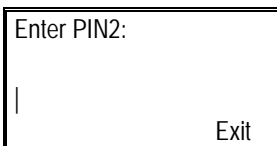
Edit Delete Copy Move Select Exit	"Actions" menu:
Select	Selects <u>Delete</u>
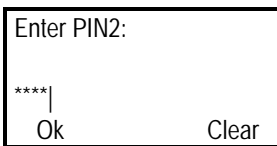
Enter PIN2: | Exit	**PIN2 code entry:** If required, depending on the card localisation, the PIN2 code is requested before edition procedure.
"1234"	PIN2 entry
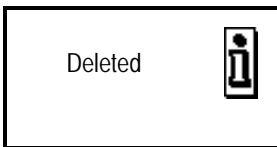
Enter PIN2: ****| Ok Clear	PIN2 code entry:
Ok	PIN2 validation
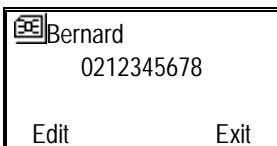
Deleted 🛈	Information: 1 second display Exit the screen by any softkey.
Right softkey	Screen exit

📇Bernard 0212345678 Edit Exit	**Phone Book Card display:** The display goes to the next card in alpha order after Albert.

8.6.3   ENTERING DATA IN THE FDN FILE

The same operations are realised as for a store operation. The PIN2 code is requested before storage if no PIN2 code has been entered since the EF$_{FDN}$ file access beginning.

8.6.4   SETTING ON/OFF THE FIXED DIALLING MODE

View Add New Status Select Exit	Allowed numbers menu:
Select	Validates Deactivate

Restriction: On Off Select Exit	**FDN mode activation binary choice:** The current Setting is selected as initial choice.
☐ **Select**	Inhibits fixed dialling mode

Enter PIN2: | Exit	**PIN2 code entry:** PIN2 is required to change the dialling mode. PIN2 is not required if it has been already requested during the current phone book access session.
"1234"	PIN2 entry

Enter PIN2: ****| Ok Clear	**PIN2 code entry:** Validate by **Ok** softkey.
Ok	PIN2 validation

[i] Fixed dialling On	Information:
Right softkey	Screen exit

View Add New Status Select Exit	Allowed numbers menu:

9. USING THE MESSAGING SYSTEM FACILITIES

9.1   MESSAGES PRESENTATION

The SMS-Point to Point service – which is network dependent service - allows the user to send and receive messages from other users or from the network / service provider.

The messages are managed in the network with a "store and forward" method: the sent messages are first stored in a network located "message centre" before being delivered to the other party. When the destination party is reachable, the message is forwarded to the indicated address.

Each message contains a header that gives information about the message transmission and the message text itself.

9.2   RECEIVING MESSAGES

To receive messages, no action is necessary on the phone from the user.

An "**AUDIO SMS TONE**" will warn the user. However, this tone can be activated or not as follows:

Note that if a message is received during conversation, the alert will ring after the end of call(s) in order not to disturb the conversation. An exception is for immediate display messages, for which the tone and display are made at reception.

9.2.1   SETTING THE MESSAGE ALERT MODE

Voice Mail	
Phone Book	
Messages	
Calls & Timers	
Select	Exit

Main Menu:

Select   Validates Messages tiem

Inbox	
Outbox	
Write New	
Settings	
Select	Exit

Messages menu:

Go to next screen

Alert	
Select	Exit

Messages menu:

Select   Validates Alert

Message Alert	
On	
Off	
Select	Exit

Message Alert Setting:
The current Setting is displayed as initial entry

Select   No change selected

Alert	
Select	Exit

Messages menu:

The Alert Setting is used each time a message is received

9.2.2   MESSAGES INBOX MANAGEMENT

A message can be received at any time on the phone. A double beep indicates the arrival of the message if the user is not in conversation, otherwise the sound indication is generated after the end of all communications.

If the SIM storage is full, the message is stored on the phone.

2 ways enable to read new messages, one by a single key press from the idle screen, the other one from the menu "Messages/Inbox".

9.2.2.1 DIRECT ACCESS FROM IDLE SCREEN

If at least one new message has been received and stored on the SIM or phone, the envelope icon is switched on in the Idle screen status bar and the left softkey text is changed from Names to Read. If the SMS (SIM + phone) storage becomes full, the SMS icon will blink.
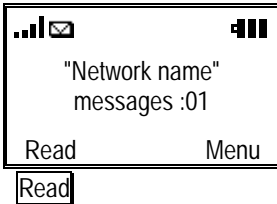
.ıl ⊠ ◀ɪɪɪ "Network name" messages :01 Read Menu	**Idle screen** At least a new message stored. The left softkey Read allows to access the new SMS reading process.
Read	Access to the messages inbox
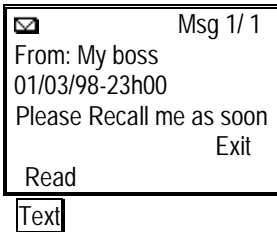
⊠   Msg 1/ 1
From: My boss
01/03/98-23h00
Please Recall me as soon
                          Exit
  Read
	Message header:
	The date and time are displayed, followed by the sending party identity and the beginning of the text
	the icon indicates a new message
	The message index and the number of messages in Inbox are also indicated

Text	To view the message text
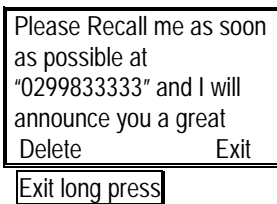
Please Recall me as soon as possible at "0299833333" and I will announce you a great Delete Exit	Message text display: Exit = return to the header, Exit Long press = return to Idle screen Actions = access to the "Actions" menu Delete = immediate deletion of the message
Exit long press	Return to Idle screen

.ıl ◀ɪɪɪ "Idle screen" Names Menu	**Idle screen** The left softkey has been restored to Names

9.2.2.2 READING MESSAGES IN INBOX

9.2.2.2.1   New messages, old messages

The new message indicator (✉) indicates that the corresponding message header has never been displayed before. This icon is used for a first display of such a message. When returning to this message header display, even during the same read operation, the message will be considered as old in any case and the corresponding old message icon (📧) will be then displayed.

When displaying a new message header, if we go into the message text display, the message is displayed as old immediately when returning to the header display.

9.2.2.2.2   Normal messages and concatenated messages

The user can read his new and old received messages, sorted in a reverse chronological order, by selecting the menu "Messages/Inbox" and pressing Select softkey.

Inbox
Outbox
Write New
Settings
Select   Exit

Messages menu:

Select

Validates Inbox

✉   1/ 3
From: 0299831111
12/03/98-10h12
Please Recall me as soon
Text   Exit
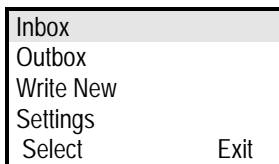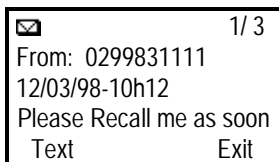
Message header:
This message is a single message
New message. After this display, this message will be marked as old.
The date and time are displayed, followed by the sending party number and the beginning of the text

☐

See next header

✉   2/3
From: Patrice
01/03/98-23h00
Happy Birthday, René
Text   Exit
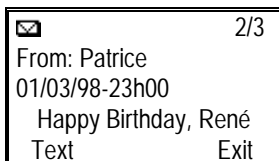
Message header:
New message. After this display, this message will be marked as old.
The date and time, the sending party name and the beginning of the text are displayed.

☐

See next header

📧   3 / 3 – Part 1 / 2
From: unknown
25/02/98-11h00
Following our last phone
Text   Exit
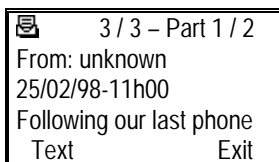
Message header:
This message is a concatenated one, this part being the first part
Old message
The date and time, the sending party name (unknown) and the beginning of the text are displayed

☐

See next header

📧   3 / 3 – Part 2 / 2
25/02/98-11h10
The best thing is to take
Text   Exit
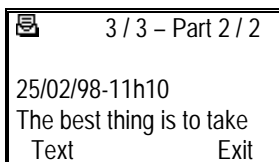
Message header:
This message is a concatenated one, this part being the second part
Old message
The date and time, the sending party name (unknown) and the beginning of the text are displayed

☐

See next header

📧   1/ 3
0299831111
12/03/98-10h12
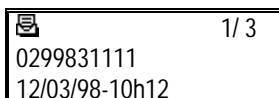
Message header:
We return to the head of the list. The first message is now old

```
Please Recall me as soon
  Text            Exit
```
Text   Zoom in message text

```
Please Recall me as soon
as possible at
"+3315565658" or Call
"John"
  Delete          Exit
```

Message text:
Exit = return to header
Delete = msg delete

Exit   Return to header

```
🖳              1/ 3
0299831111
12/03/98-10h12
Please Recall me as soon
  Text            Exit
```

Message header:

The date and time are displayed, followed by the sending party number and the beginning of the text

☐   See next header

```
🖳              2/3
Patrice
01/03/98-23h00
Happy Birthday, René
  Text            Exit
```

Message header:
Next message header display. The message is now old.

Exit   Return to parent menu

```
Inbox
Outbox
Write New
Settings
 Select          Exit
```

Messages menu:

```
Select
```

Validates <u>Inbox</u>

```
🖳              1/ 3
0299831111
12/03/98-10h12
Please Recall me as soon
 Text            Exit
```

<u>Message header</u>:
Old message
The most recent message is displayed first, new or old.

```
□
```

See next header

```
🖳              2/3
Patrice
01/03/98-23h00
Happy Birthday, René
 Text            Exit
```

<u>Message header</u>:
Next message header display (Old message also)

The "Actions" menu content is the same as described above.

9.2.2.3 RECEIVING MESSAGES DIRECTLY DISPLAYED ON THE PHONE SCREEN

The network operator or service provider may send messages to indicate important information to the user as voice messages waiting in the voice mailbox. In this case, these messages have to be displayed directly, without any storage, to inform the user more quickly.

If the phone receives this kind of messages, a double beep is generated.

The header of the message containing the date and time of the sending, optionally the sender number and the first 1 or 2 lines of the message are displayed.

Example:
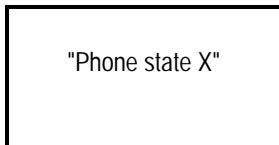
```
┌──────────────────────┐
│                      │
│   "Phone state X"    │
│                      │
│                      │
└──────────────────────┘
```
State X display

Message reception


```
┌──────────────────────┐
│ ✉                    │
│                      │
│ 01/03/98-23h00       │
│ New services on the  │
│  Text        Exit    │
└──────────────────────┘
```
Message header:
Message header display: no sender number provided

Text   Zoom in message text
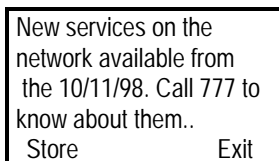

```
┌──────────────────────┐
│ New services on the  │
│ network available from│
│  the 10/11/98. Call 777 to│
│ know about them..    │
│  Store        Exit   │
└──────────────────────┘
```
Message text:
Store = storage of message possible
Exit = return to header

Exit   Return to header


```
┌──────────────────────┐
│ 📧                   │
│                      │
│ 01/03/98-23h00       │
│ New services on the  │
│  Text        Exit    │
└──────────────────────┘
```
Message header display

Exit   Exit of display
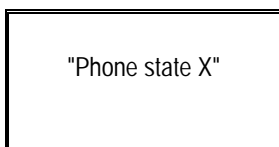

```
┌──────────────────────┐
│                      │
│   "Phone state X"    │
│                      │
│                      │
└──────────────────────┘
```
State X display

The "Actions" menu content is the same as described above. The "Delete" item is replaced by a "Store" item allowing message storage.

9.2.2.4 RECEIVING MESSAGES SENT TO A CONNECTED TE

A message can be received to be stored with preference on an external device such as a connected PC.

If the phone is connected to such a device, the message is directly routed to this external device and the message will be read on the external device via a dedicated software (as Contact Thirty for instance).

If the phone is not connected to the external device at message reception, the message will be stored in SIM and the same reading procedure is applicable.

9.2.2.5 AVAILABLE OPERATIONS DURING MESSAGES READING

This chapter will describe the screen sequences display for options available when reading SMS headers or contents.

9.2.2.5.1   ""Actions" menu" content when in header display

When reading the message header or the message content, the ⬚Actions⬚ key allows access to message related operations. This softkey gives access to a contextual menu with the following items:

Item	Function
Read text	To view the message text (item displayed only if the header is displayed).
[Delete | Store]	Delete is to delete the message **(No information requested to perform the operation).** Store is displayed in case of non stored message display **You are requested to choose via a binary screen if you want to store or not the message in the inbox.**

Reply	To reply to the sender of the message:
	          If the identity of the sender is known, the reply will be directly sent to him.
	          The message centre used is the one of the sender (if reply path is set in the message), otherwise the one of the user is used.
	You are requested to enter the message text, the message centre number if no is defined or to choose the message template to use for the answer.

Forward	To forward the message: The message is forwarded to another user. **You are requested to enter the destination number, the message centre number if no is defined or to choose the message template to use for the answer.**
Numbers	To call or store the sender of the message or numbers from the message: Displays a list of all numbers found in the message text (embedded by "") and also, if known, the sender phone number. Press ⬚Exit⬚ softkey to exit the function, Long press ⬚Exit⬚ softkey to return to Idle directly, Press ⬚Store⬚ softkey to store the current pointed number in phone books, Press ⬚SEND⬚ to call the current pointed phone number. When making a call, the menu context is lost. Nothing special requested.

9.2.2.5.2   ""Actions" menu" content when in text display

Item	Function
Edit	To edit the message text. After edition, you can Send or store the message. When storing, the old message text is replaced by the new one.
Reply Forward Numbers [Delete | Store]	Same as above

9.2.2.5.3   Delete the message

```
📧                1/3
0299831111
12/03/98-10h12
Please Recall me as soon
 Text           Exit
```
Message header:

| Actions |

Access to the "Actions" menu

```
Read text
Delete
Reply
Forward
Select          Exit
```
"Actions" menu
"Actions" menu

| Select |

Validates <u>Delete</u>

```
Delete:
Yes
No              📱
Select          Exit
```
Binary choice screen:
The initial answer is delete the message.

| **Select** |

Deletes the message

```
Deleted          ℹ
```
Information screen
The message is deleted

If there is no more messages, the phone exits the messages list and returns to the "<u>Messages</u>" menu otherwise the next message is displayed.

9.2.2.5.4   Reply to the message

The message is sent back to the sender through either his message centre (if the reply path option is set in the message), or your message centre otherwise.

If the identity of the sender is not contained in the message, the destination number is requested.

In case of message templates usage, you are required to choose a message template for sending. If no message template is valid and no message centre is defined, you are requested to enter such a number before sending the message.

``` 📧 1/3 0299831111 12/03/98-10h12 Please Recall me as soon Text Exit ```	**Message header**: Old message
Actions	Access to the "Actions" menu

``` Read text Delete Reply Forward Select Exit ```	**"Actions" menu** **"Actions" menu**
Select	Validates Reply

``` "Text entry procedure" Ok Exit ```	**Text entry procedure** The user is asked to enter a text
Ok	Text validation

``` "Msg transmission" ```	**Msg Transmission** The destination number is requested if missing. The message template or message centre number is requested if missing The reply itself can be stored after sending. After transmission, the display returns to the initial message header

9.2.2.5.5   forward the message

A received message can be sent to another person. The destination address is asked before sending the message.

🖳   1/3
0299831111
12/03/98-10h12
Please Recall me as soon
Text   Exit

Message header:
Old message

Actions

Access to the "Actions" menu

Read text
Delete
Reply
Forward
Select   Exit

"Actions" menu

Select

Validates <u>Forward</u>

"Destination number
entry procedure"

Text entry procedure
The destination number is requested (only)
The template to use or message centre is requested if missing.

"Msg transmission"

Msg Transmission
After transmission, the display returns to the message header

9.2.2.5.6   Call/store the message sender or a number from the message text

The numbers can be recalled or stored in both memories.

	1/3
0299831111	
12/03/98-10h12	
Please Recall me as soon	
Text	Exit

Actions

Message header:
Old message

Access to the "Actions" menu

Read text	
Delete	
Reply	
Forward	
Select	Exit

"Actions" menu

Numbers	
Select	Exit

Select

"Actions" menu

Validates Numbers

0299831111	
5566	
Joe	
Store	Exit

SEND

Numbers found list
You can save the current number in memories by a press on Store

Call my boss

"Calling procedure"	
Select	Exit

Calling procedure
My Boss is called.

9.3   PREPARING MESSAGE SENDING

9.3.1   MESSAGE TEMPLATES

Before being able to send a message, several Settings, called message parameters, have to be set by the user:

> The Messages Centre address where the message is sent and stored before being forwarded to the final user

> The Validity Period while the message is kept into the Message Centre,

> The Message type in which the message can be converted.

In order to facilitate the message sending process, one or several predefined templates containing these parameters may be available.

Last, you can set 2 other Settings common to all templates:

> The Pay reply option, which allows the message receiver to answer to the message using the same message centre as the original message (**This setting is stored in phone storage only**),

> The Report Status Setting that indicates whether the user wants to receive the status of sent messages (**This setting is stored in phone storage only**).

9.3.1.1 ONLY ONE TEMPLATE AVAILABLE

If the SIM contains no template file (SIM EF$_{SMSP}$), the template storage is the one of the phone, otherwise the SIM file is used only. In this case, the menu structure shows directly all the template parameters.

To set the different parameters, select "Settings" from the "Messages" menu and press **Select** softkey. The following menu is displayed:

Message Centre	
Validity	
Format	
Reply requested	
Select	Exit

Messages Settings menu
The only message template is displayed in details.

Delivery report	
Select	Exit

Messages Settings menu

9.3.1.1.1   Set Message Centre

The message centre can be preset by the operator/service provider in the SIM or has to be entered once by the user. This information is mandatory to send messages.

The stored value is used each time a message is sent. In case of empty value, the information is requested during the sending process and stored in the parameter automatically.

No factory default value defined.

Message Centre	
Validity	
Format	
Reply requested	
Select	Exit

Messages Settings menu

Select   Validates Message centre

Message Centre	
Names	Exit

Messages centre entry
Phone number editor
No address already set
The phone books can be accessed to choose a number via the Names softkey

+3312345678   Message centre address entry

Message Centre	
+3312345678|	
Ok	Clear

Messages centre entry
Phone number editor

Ok   Entry validation

Message Centre	
Validity	
Format	
Reply requested	
Select	Exit

Messages Settings menu

9.3.1.1.2   Set Validity Period

A sent message is first stored in a message centre and then forwarded to the destination address. If the message cannot be delivered at the first attempt, it is retained in the message centre during a delay called the "validity period".

The validity period can be preset by the operator/service provider in the SIM or has to be entered once by the user if the default value "Maximum" is not suitable for her.

Predefined values are proposed: 12 hours, 1 day, 2 days and maximum. This validity period will be used by default each time a message will be sent.

The factory default value is Maximum.

```
Message Centre
Validity
Format
Reply requested
 Select          Exit
```
Messages Settings menu

```
Select
```
Validates <u>Validity</u>

```
Validity period:
12 h
1 day
2 days
 Select          Exit
```
Validity period menu

```
    Select
```
2 days Validity period is selected

```
Message Centre
Validity
Format
Reply requested
 Select          Exit
```
Messages Settings menu

9.3.1.1.3   Set Message type

A message is usually sent in a text format to another mobile but he can be sent to other kind of device in another format as follows.

The format can be preset by the operator/service provider in the SIM or has to be entered once by the user. Predefined values are proposed: Text, Voice, e: mail, Fax and Paging. This format will be used by default each time a message will be sent.

 The factory default value is "Text".

```
Message Centre
Validity
Format
Reply requested
 Select          Exit
```
Messages Settings menu

```
Select
```
Validates <u>Message type</u>

```
Format:
Text
Voice
FAX
 Select          Exit
```
Message format menu

```
     Select
```
Validates <u>FAX </u>format

```
Message Centre
Validity
Message type
Gateway address
 Select          Exit
```
Messages Settings menu

9.3.1.1.4   Relpy request

This Setting, when activated, sets a corresponding information in each sent message. The receiver of such a message can then use the same messages centre as the sender to reply to the message. This could be useful to receive replies when you do not know whether the addressee knows a message centre or not. Another consequence is that, generally, the reply is charged to the original message sender. This setting is stored in phone non-volatile memory and is used each time a message is sent.

The factory default value is "Off".

Reply requested Delivery report Select Exit	**Messages Settings menu**
Select	Validates <u>Pay reply</u>

Rep. requested? On Off Select Exit	**Reply path question:** The current Setting is shown
Select	Validates <u>On</u> choice

Reply requested Delivery report Select Exit	**Messages Settings menu**

9.3.1.1.5   Set Delivery report

This Setting, when activated, asks the network to send one or several status reports for each sent message. This setting is stored in phone non-volatile memory and is used by default each time a message is sent.

The factory default value is "Off".

Reply requested	
Delivery report	
Select	Exit

Messages Settings menu

| Select |

Validates <u>Delivery report</u>

Delivery report:	
On	
Off	
Select	Exit

Status report question:
The current Setting is shown

| Select |

Validates <u>On</u> choice

Reply requested	
Delivery report	
Select	Exit

Messages Settings menu

9.3.1.2 SEVERAL TEMPLATES AVAILABLE

Whatever is the real number of templates in the SIM EF$_{SMSP}$ file, a maximum of 3 templates is managed by the phone.

The Msg templates menu is accessed by the first item with the following display:

Msg templates	
Reply requested	
Delivery report	
Select	Exit

Messages Settings menu

Select   Validates Msg templates

Msg templates	
Template1	
[...]	
Template3	
Edit	Exit

Template list display:
First has no name, but data inside
Second is empty
Third has no name, but data inside
Opts softkey = template edition Actions key = "Actions" menu (Delete / Edit) on a non empty entry.
Goes to second template

Msg templates	
Template1	
[...]	
Template3	
Edit	Exit

Template list display:
When pointing on an empty template, the left softkey label is changed to Edit

9.3.1.2.1   Viewing and editing a template

A template is composed of a message centre, a destination address, a validity period and a message type. All these parameters can be filled or not. The destination address is never used by the software.

The destination address has always to be entered by the user during message sending.

Msg templates:
Template1
[…]
Template3
Edit   Exit

Template list display:

Edit

Edit 1st template

Name:
Template1|
Ok   Clear

Form name entry
You can enter no name if you want (press on Ok)

"Clear long" Cheap

Name entry

Name:
Cheap	
Ok   Clear

Form name entry

Ok

Entry validation

Message Centre
+3312345678|
Ok   Clear

Message centre entry
Phone number editor

Clear long press

+441234567890

Message centre number entry

Message Centre
+441234567890|
Ok   Clear

Message centre entry
Phone number editor

Ok

Entry validation

Validity period:	
12 h	
1 day	
2 days	
Select	Exit

Validity period menu

Select

Select 12 hours validity period

Message type:	
Text	
Voice	
E: mail	
Select	Exit

Message format menu
You can choose the message type in (Text, Voice, e: mail, fax and paging)
When choosing e: mail, the gateway address will be requested after this screen

Select

Select e: mail format

Gateway address	
+33112233445566	
Ok	Clear

Gateway address entry (Screen shown only when an e: mail template is being created/modified.)
This field requested only because we enter an e: mail template
Phone number editor

Clear long press
+44112233445566

Gateway address entry

Gateway address	
+44112233445566|	
Ok	Clear

Gateway address entry
Phone number editor

Ok

Entry validation

Stored	i
	Exit

Information
2 second display

Right softkey

Exits from the screen

Msg templates:	
Cheap	
[...]	
Template3	
Edit	Exit

Messages Settings menu
The Cheap template appears now.

9.3.1.2.2   Creating a new template

The behaviour is the same, but all initial entries are empty.

9.4   COMPOSING MESSAGES

The user can write a new text to send it or reuse a stored one.

9.4.1   CREATING AND SENDING NEW MESSAGES (SEVERAL TEMPLATES)

To create a new message, select "Write new" from the "Messages" menu and press **Select** softkey or **Select** key.

| Inbox |
| Outbox |
| Write new |
| Settings |
| Select   Exit |

Messages menu:

Select   Selects the Write new item

| abc ✎ |
| | |
| |
| Ok   Exit |

Text entry
The user enters his text
The text length is limited to 160 characters for Latin languages. For languages that require the use of UCS2 encoding, the text maximum length is limited to 80 characters.

"text entry"   Text entry

| abc ✎ |
| Ok for appointment. John |
| | |
| Ok   Clear |

Text entry

Ok   Text validation

| Send |
| Store |
| |
| Select   Exit |

Message actions menu
You can send or store the message.

Select   Selects the Send item

| Message Centre: |
| |
| | |
| Ok   Exit |

Message centre entry
Requested if no message centre in template or missing in the Settings
When validated, the message centre number is saved in the selected template.
The screen is skipped if the selected template has a message centre defined information or

if the message centre is defined in the Settings.

+441234567890   Message centre entry

| Message Centre |
| |
| +441234567890| |
| Ok   Clear |

Message centre entry
Requested if no message centre in template or missing in the Settings
When validated, the message centre number is saved in the selected template.
The screen is skipped if the selected template has a message centre defined information or

if the message centre is defined in the Settings.

Ok   Entry validation

Destination:

|
Names   Exit

+1234567890

Destination entry
This entry is mandatory
You can enter a phone number or consult the memories

Number entry

```
Destination:

+1234567890|
  Ok           Clear
```

Destination entry

```
Ok
```
Entry validation

```
    Sending…

              Abort
```

Waiting screen
Sending process
Abort = Abort Sending

```
    Sent

              Exit
```

Information screen

```
Store msg?
Yes
No
 Select        Exit
```

Question (binary choice)
The positive answer is selected as initial entry.

```
Select
```
Selects the Yes item

```
    Stored

              Exit
```

Information screen

```
Inbox
Outbox
Write new
Settings
Select         Exit
```

Messages menu:

If the transmission fails, a local error will be displayed. The message can be stored in any case.

☞**Note: A SMS edition can be cancelled by a press on END or by an incoming call with menu consultation. In this case, the message text is retrieved when composing a new message again. See MMI policy (context saving) chapter for details.**

9.4.2   CREATING AND SENDING NEW MESSAGES (NO TEMPLATE)

In this case, if empty in the message parameters phone storage, the message centre number (and the gateway address, when relevant) is requested before sending . This information is saved on validation. The other message parameters are set by their Settings. The message centre is requested if information is missing in the Settings.

9.4.3   OUTBOX CONSULTATION

To use a draft message, select "Outbox" from the "Messages" menu and press **Select** softkey.

First, the draft to be sent are displayed. The 2 first text lines of each draft are displayed.

The messages already sent follow. If the status of the sending is known and has been stored in the SIM, it will be also given. A message can be delivered, just sent but not yet received or discarded by the message centre.

If a sent message is sent another time, it is saved in another place in SMS space, thus allowing a better status report treatment for all sent copies of the message.

9.4.3.1 SENDING A DRAFT MESSAGE

Inbox	
Outbox	
Write new	
Settings	
Select	Exit

Messages menu:

Select

Selects the <u>Outbox</u> item

📃	1 / 3
Please Recall me as soon	
as possible at	
Text	Exit
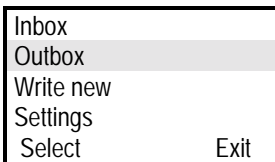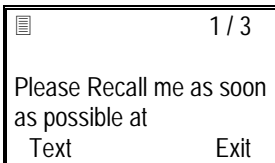
Draft message display
The first 2 lines of the draft message are displayed
No destination has been set for this message.

☐

Go to next message

⎓✉	2 / 3
Patrice	
I will arrive at 10 and I	
invite you for dinner	
Delete	Exit
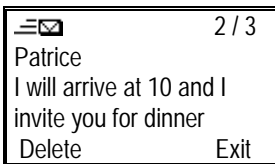
Sent message display

☐

Go to next message

⎓✉	3 / 3
Albert	
My train is delayed for 30	
Minutes	
Delete	Exit
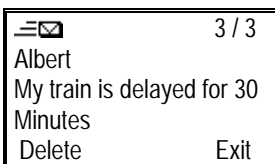
Sent message display

Actions

Access to "Actions" menu

Modify	
Delete	
Status	
Send	
Select	Exit

"Actions" menu

Select

Selects the <u>Send</u> item

Message parameters sequence if parameters empty

Message parameters sequence choice / setting:
This is here if several templates are available and if the selected template or the current message parameters are not fully defined.

End of sequence

Destination:	
Names	Exit

Destination number entry
You can enter a phone number or consult the memories

+1234567890

Number entry

Destination:	
+1234567890|	
Ok	Clear

Destination number entry
You can enter a phone number or consult the memories

Ok

Entry validation

Sending…	
	Abort

Waiting screen

Sent	
	Exit

Information screen

⊒✉	3 / 3
To: René	
My train is delayed for 30	
minutes	
Delete	Exit

Sent message display
The message has been sent to the message centre but not delivered yet to the destination address

9.4.3.2 "ACTIONS" MENU DURING OUTBOX CONSULTATION

9.4.3.2.1 "Actions" menu when in header display

The left softkey is labelled Text. The Actions key gives access to message related operations with the following items:

Item	Function
Read text	To view the message text
Delete	To delete a draft or a sent message: - The message is deleted from the SIM.
Delivery status	To interrogate the status of a sent message: Item displayed for a sent message only. - This option enables to interrogate the Message Centre about the status of a previous sending of a message. If there is a status stored in the SIM associated to the message, the "Status" option enables to display details of this status and it has also possible to ask an update of this status. If no status is known, this one is directly requested to the network. Note: Even if a status is requested, the answer is not immediately sent by the network and will be received at any time and in some cases, this option is not supported by the network.
Send	To send a draft or re-send a message already sent: - The message is sent or re-sent and the text can be modified as for a normal message sending, - The message parameters are requested if some are missing (templates or not)

9.4.3.2.2 "Actions" menu when in text display

The left softkey is labelled Delete. The Actions key gives access to message related operations with the following items:

Item	Function
Edit	To edit the message text
Delivery status **Send** **Delete**	Same as above.

9.4.3.3 REQUESTING THE DELIVERY STATUS FOR A SENT MESSAGE

Inbox Outbox Write new Settings Select Exit	Messages menu:
Select	Selects the <u>Outbox</u> item

▭✉ 1/2 Patrice 12/30-17/11 My train is delayed for 30 Text Exit	<u>Sent message display</u> The message has been sent to the message centre and a status report has been received
Actions	Access to "Actions" menu

Read text	**"Actions" menu**

```
Delete
Status
Send
 Select          Exit
```

| Select | Selects the <u>Delivery status</u> item |

```
Sending…

          Cancel
```

<u>Waiting screen</u>
If the status is already available, it is displayed immediately, otherwise
the status is requested to the network for this message.

```
┌─────────────────────────┐
│   Delivery Status       │
│  to be received later   │
│                         │
│                   Exit  │
└─────────────────────────┘
```

Result screen
If the status is already available, it is displayed immediately, otherwise
the status is requested to the network for this message.
Exit by Exit or after a 2-sceond delay.

```
┌─────────────────────────┐
│ ≡✉                  1/2 │
│ Patrice                 │
│ 12/30-17/11             │
│ My train is delayed for 30│
│  Text            Exit   │
└─────────────────────────┘
┌──┐
│  │
└──┘
```

Sent message display
Return to the message header display.
The message has been sent to the message centre and a status report has been received

Go to next message

```
┌─────────────────────────┐
│ ▤   2/2 -               │
│                         │
│ Please Recall me as soon│
│ as possible at          │
│  Text            Exit   │
└─────────────────────────┘
```

Draft message display
The first 3 lines of the draft message are displayed
No destination has been set for this message.
Notice: this message is an e: mail message.

9.5   RECEIVING STATUS REPORTS FOR SENT MESSAGES

9.5.1   GENERAL

When a message has been sent, and if a report has been requested at the time of sending, the delivery status is sent back by the network later.

A delivery status report can be requested:

- at message sending, using the corresponding Setting,

- by a separate request, when consulting sent messages.

In response, the network sends back later a Delivery status report (DSR), in an asynchronous way.

9.5.2   STATUS REPORT MESSAGE DISPLAY

The SR content is displayed as soon as the phone returns in Idle state. A " AUDIO_SMS_TONE " is played at the time of display. Using the SR essential information, a summary information is displayed to the user. The whole information is displayed in one screen.
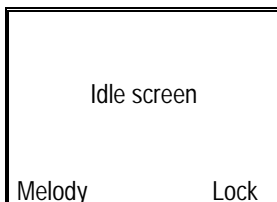
9.5.3   USER ACTIONS

The SR is acknowledged using the Exit softkey. The Delete softkey allows to directly acknowledge the SR, delete the corresponding sent message and the status report

If the corresponding sent message is stored in the SMS storage, the Actions key allows to perform the following actions:

Item	Condition for display	Action
View msg	The corresponding sent message is in SMS storage	To see the related Sent SMS message
Delete	None	To acknowledge the status report the action has to be confirmed by the user. the message and the status report are deleted from the SMS storage.

9.5.4   STATUS REPORTS EXAMPLES

9.5.4.1 THE SENT MESSAGE IS STORED IN THE SMS STORAGE

Idle screen display

```
┌─────────────────────┐
│                     │
│     Idle screen     │
│                     │
│                     │
│                     │
│ Melody        Lock  │
└─────────────────────┘
```
"Status report reception"   A status report is received

```
┌─────────────────────┐
│ ☞         Message to│
│ Patrice             │
│ Delivered the       │
│ 13/01/99 – 14:00    │
│                     │
│ Delete        Exit  │
└─────────────────────┘
```
Status report display
The "AUDIO_SMS_TONE" tone is played at the same time as display
The report indicates that a message has been delivered to Patrice at 14:00 the 13/01/99.
Exit = leave the display. The sent message and SR remain stored.

The Delete softkey acknowledges the SR (deletion of the status report and sent message from the SMS storage (a confirmation is asked to perform the action). Actions allows to see the corresponding sent message and also to acknowledge the SR.

9.5.4.2 THE SENT MESSAGE IS NOT STORED IN THE SMS STORAGE

```
┌──────────────────────┐
│                      │
│                      │
│     Idle screen      │
│                      │
│                      │
│                      │
│ Melody         Lock  │
└──────────────────────┘
```

Idle screen display

"Status report reception"   A status report is received

```
┌──────────────────────┐
│ ☞       Message to   │
│ Patrice              │
│ Delivered the        │
│ 13/01/99 – 14:00     │
│                Exit  │
└──────────────────────┘
```
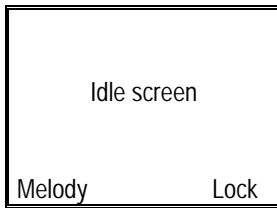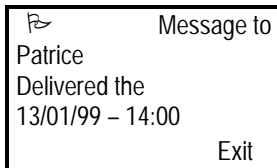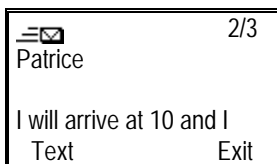
Status report display
The "AUDIO_SMS_TONE" tone is played at the same time as display
The report indicates that a message has been delivered to Patrice at 14:00 the 13/01/99.
No Clear softkey (no actions possible). No "Actions" menu.

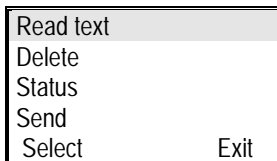## 9.5.4.3 STATUS REPORT DISPLAY DURING MESSAGE OUTBOX CONSULTATION (IMMEDIATE DISPLAY)

```
┌──────────────────────┐
│ ☰✉             2/3   │
│ Patrice              │
│                      │
│ I will arrive at 10 and I │
│ Text           Exit  │
└──────────────────────┘
```

Message header:
Sent message.

Actions   Access to the "Actions" menu

```
┌──────────────────────┐
│ Read text            │
│ Delete               │
│ Status               │
│ Send                 │
│ Select         Exit  │
└──────────────────────┘
```

"Actions" menu

→   Selects the Delivery status item

```
┌──────────────────────┐
│ ☞       Message to   │
│ Patrice              │
│ Delivered the        │
│ 13/01/99 – 14:00     │
│                Exit  │
│ Delete               │
└──────────────────────┘
```

Status report display
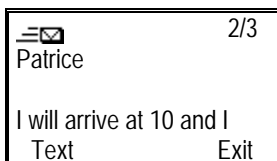The status report has been yet received and is displayed immediately.
The report indicates that a message has been delivered to Patrice at 14:00 the 13/01/99.
Exit to exit the status report display.
Delete = Deletion of sent message and SR

Exit   Leaves the screen

```
┌──────────────────────┐
│ ☰✉             2/3   │
│ Patrice              │
│                      │
│ I will arrive at 10 and I │
│ Text           Exit  │
└──────────────────────┘
```

Message header:
Sent message.

10.   USING THE GSM SERVICES

10.1   NETWORK SERVICES DEFINITION AND CATEGORIES

You can have benefit of the following network services, depending on your subscription options:

Service	Purpose
Call diverting	This service allows to redirect an incoming to another number (generally a voice mail). Conditions are: divert "unconditional", "when not reachable", "on no reply" and "when busy"), for all categories of services (fax, data, voice).
Call waiting	This service allows to receive new calls while engaged in a conversation.
Call Barring	Allows to bar outgoing or incoming calls.
Call identification	Allows to manage the identification you want to send to other parties on outgoing call and to see the identification of calling party on incoming calls.
Network search	Allows to select networks in automatic or manual mode.

10.2   USING THE CALL DIVERTING SERVICE

10.2.1 CALL DIVERTING AVAILABLE OPTIONS

Some choices have been made for call diverting options, all possibilities being not necessary. These choices are listed in the following table:

Service	Diverting condition	Purpose
Voice calls	**Always**	To forward all incoming voice calls unconditionally. In case of activation, the CFU icon on the Idle screen is shown as soon as the activation condition is completed
	When not reachable	To forward incoming voice calls when the mobile is switched off or when the mobile is out of network coverage
	When no Reply	To forward incoming voice calls when the user does not answer.
	When Busy	To forward incoming voice calls when the user is already engaged in a call.
	All conditions	This item summarises all preceding conditions in one item, for voice calls only.
Data calls	**Same as above**	To forward incoming data calls
Fax calls	**Same as above**	To forward incoming fax calls
Cancel all		To cancel all call diverting conditions for all services
For each condition and call type, the operations are **Activate**, **Cancel** and **Status** check.		
You can cancel each Voice call, Data call and Fax call diverting condition independently, using the corresponding diverting condition **Cancel** Item.		
For all services, you can also cancel all call diverting conditions in one operation using the **Cancel all** item selection before selection of the related service.		
The CFU icon is displayed according to the Call diverting always condition for voice calls only.		
All call diverting conditions refer to the current DCS line.		

10.2.2 CALL DIVERTING ALWAYS (CFU) MANAGEMENT

When activating/deactivating this service, the following operations take place:

If the SIM card has a EFCFU file, it is updated with the CFU current state,

If the SIM card has no such file, the SIM identification and CFU service current state is stored in phone non-volatile memory, for the line in use

The CFU icon in Idle screen is displayed according to the information stored, as appropriate,

When consulting the service status, the CFU flag is updated (in SIM or mobile non-volatile memory) according to the value returned by the network and, obviously, the CFU icon is displayed accordingly.

10.2.3 "FORWARDED-TO" NUMBER ENTRY

For the selected option, you are requested to enter the parameters: "forwarded to". At this stage, you can:

❑ Either choose the voice mail phone number (Depending on the service, it can be the Voice, Data of Fax voice mail),

❑ Or go in memories to choose a number,

❑ Or enter a phone number where to forward calls. A phone number editor is used to enter the number. The phone number editor provides the last number used to activate call diverting as default value for the number to divert calls to. If no number, the editor is empty and an access to the phone books via a Names softkey is allowed.

10.2.4 CALL DIVERTING SCREEN SEQUENCES

10.2.4.1   CALL DIVERTING ACTIVATION

Call diverting	
Call waiting	
Sending my Id	
Receiveing My Id	
Select	Exit

Services menu:

Select

Validates Call diverting entry

Voice calls	
Fax calls	
Data calls	
Cancel all	
Select	Exit

Service selection menu:
You have to choose what service is to be diverted: voice, fax or data calls.
You can also directly cancel all call divert conditions in one operation by the **Cancel all** item

Select

Selects voice calls

Always	
Not reachable	
On no reply	
When busy	
Select	Exit

Call divert menu:
The Cancel all option is also available.

☐ ☐ Select

Validates On no reply item

Activate	
Cancel	
Status	
Select	Exit

On no reply menu:
Call divert/voice/On no reply

Select

Validates Activate

```
Voice Mail
Names
Number

 Select          Exit
```
□ □ Select

FTN choice menu:
Call divert/On no reply/Activate
A choice between the voice mail, enter the phone books or editing a number is possible.

Validates the last entered FTN

```
Number:
0299831111|

  Ok            Clear
```
Ok

Number entry:
The last forwarded-to number is set as initial entry.
The softkey Clear deletes the last digit or all digits with a long press. On an empty entry, the left softkey becomes Names and the right one Exit.

Accepts the proposed number as "diverted-to" number

```
Delay:
5 sec.
15 sec.
30 sec.
 Select          Exit
```
Select

Delay list menu:
You can choose between 5, 15 and 30 seconds.
This screen is present only for the no reply condition.
.

Validates 5 seconds

```
Requesting…    ⧗

              Cancel
```

Transition screen:
 The command can be exited by a press on Cancel
.

```
   Voice calls
   (no reply)     🚦
   diverted to
   0299831111
              Exit
```
"Timer"

Result screen:
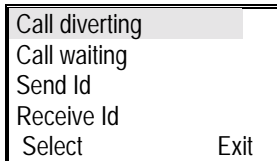The incoming voice calls are diverted to 0299831111 on no reply.
Display during 3 seconds or exit by any softkey.

Exit the display

```
Call diverting
Call waiting
Sending My Id
Receiving caller Id
 Select          Exit
```
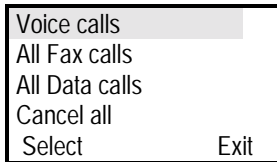
Services menu:

10.2.4.2   CALL DIVERTING CANCELLATION

Call diverting	
Call waiting	
Send Id	
Receive Id	
Select	Exit

Services menu:

Select

Validates Call diverting entry

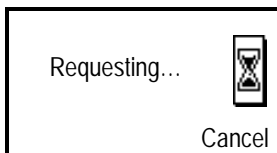| Voice calls	
All Fax calls	
All Data calls	
Cancel all	
Select	Exit

Service selection menu:
You have to choose what service is to be diverted: voice, fax or data calls.
You can also directly cancel all call divert conditions in one operation by the **Cancel all** item

☐☐ Select

Selects Cancel all

Requesting…

Cancel

Transition screen:
 The command can be exited by a press on Cancel
.

All Diversions
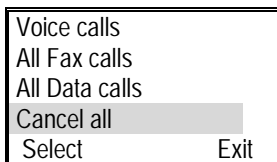cancelled

More…   Exit

Result screen:
In case of multiple network answers, screens are scrolled using ☐ key or More… softkey.
When a single screen, display during 3 seconds or exit by any softkey.

"Right softkey"

Exit the display by any softkey

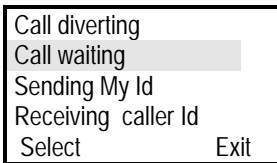| Voice calls	
All Fax calls	
All Data calls	
Cancel all	
Select	Exit

Service selection menu:
You have to choose what service is to be diverted: voice, fax or data calls.
You can also directly cancel all call divert conditions in one operation by the **Cancel all** item
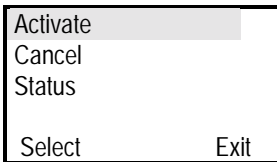
10.3   USING THE CALL WAITING SERVICE

The service is available for voice calls only. You can activate, cancel and check the service status.

Call diverting Call waiting Sending My Id Receiving caller Id Select Exit	Services menu:
Select	Validates <u>Call waiting</u> entry

Activate Cancel Status Select Exit	Call waiting menu: Call waiting
Select	Validates activate

Requesting… Cancel	Transition screen: The command can be exited by a press on Cancel.
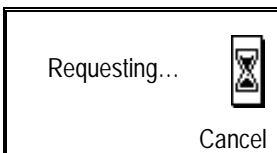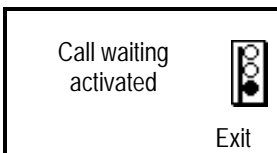
Call waiting activated Exit	Result screen: .
Exit	Exit the display by any softkey
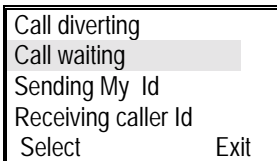
Call diverting Call waiting Sending My Id Receiving caller Id Select Exit	Services menu:
Select	Validates Call waiting entry

10.4   USING THE CALL IDENTIFICATION SERVICE

### 10.4.1 USER IDENTITIY PRESENTATION

When you are making a call, your identity, depending on network capability, may or not be presented to the called party at the time of ringing, allowing her to know immediately who is calling. If can manage this presentation at your convenience (hide your identity for example).

If the network offers this service, you can choose the way it operates by two methods:

- Preset a behaviour in the network, and this behaviour is applied to each outgoing call you make: the behaviour can be selected at network subscription between the choices: hide always (permanent), show by default (on a per call basis), hide by default (on a per call basis),

- Set a behaviour on the phone, allowing overriding the network preset value. The defined behaviours are: hide, show, preset (which corresponds to the network behaviour).
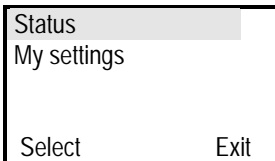
10.4.2 MY IDENTITY MANAGEMENT

10.4.2.1   CONSULTING THEGLOBAL BEHAVIOUR

Call diverting
Call waiting
Sending my Id
Receiving caller Id
Select   Exit
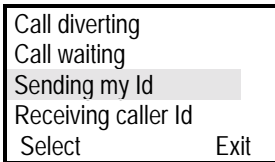
Services menu:
The Mobile Id item relates to the CLIR options.
The Receive Id item relates to the CLIP options.

Select

Validates Sending my Id entry
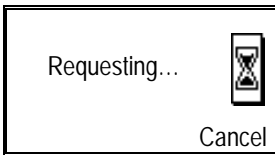
Status
My settings
Select   Exit

Sending my Id menu:

Select

Validates Status item

Requesting…   ⧗
Cancel

Transition screen:
The network is being consulted…
.

"Network answer"

Status:
Hide always
Exit

Information screen
The screen gives your id management in the network and takes into account the current Setting.

"Timer"

Status
My settings
Select   Exit
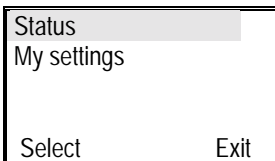
Sending my Id menu:

10.4.2.2   SETTING A PHONE BEHAVIOUR

Call diverting
Call waiting
Sending my Id
Receiving caller Id
Select   Exit

Services menu:

Select

Validates Sending my Id entry

Status
My settings
Select   Exit

Sending my Id menu:

☐ Select

Validates My settings item

Hide my Id
Show my Id
Preset
Select   Exit

"My settings" menu:
The current status is highlighted when entering in menu.

☐ Select

Validates Preset item

Status
My settings
Select   Exit

Sending my Id menu:

10.4.3 NETWORK IDENTITY PRESENTATION CAPABILITY

10.4.3.1   CONSULTING THE NETWORK CAPABILITY ABOUT IDENTITY PRESENTATION

```
Call diverting
Call waiting
Sending my Id
Receiving caller Id
 Select          Exit
```
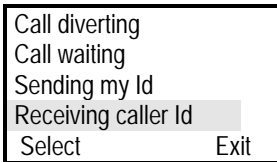
Services menu:

```
Select
```

Validates Receive Id. entry

```
Requesting…     ⧗

          Cancel
```
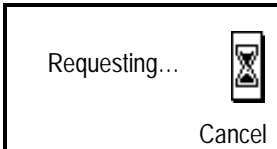
Transition screen:
 Consulting the network..
.

```
Caller Id:      ▦
Available
```
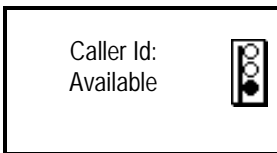
Resul screen:
Display during 3 seconds.
Exit by a press on any softkey.

"Timer"

```
Call diverting
Call waiting
Sending my Id
Receiving caller Id
 Select          Exit
```
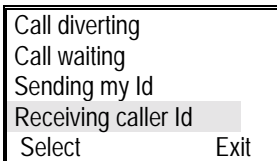
Services menu:

10.5   USING THE NETWORK SELECTION SERVICE

10.5.1 PRESENTATION

This menu allows the user to:

Manage the Preferred Networks list, this list is used for the network automatic selection (the user can edit the list content),

Choose the Network search mode: if automatic search mode is selected, this one will be used at the next phone power-on sequence. If a manual search mode is selected, this mode is entered immediately in order to search a network,

Display the forbidden networks list,

Display the Home Network Name.

10.5.2 BEHAVIOUR

If automatic search is selected at this stage, the mode is confirmed by an information screen and a return to the network menu.

If manual search is selected:

The mobile scans all surrounding networks and displays the list in real time,

 As a result, a screen with Automatic registered network displayed first is displayed,

The user can scroll in the list in order to either automatic register or manual register on a selected network,

If the registration succeeds, the display goes directly to the Idle screen with the new network name,

If the registration fails, the display returns to the list of surrounding networks and you have to make another choice.

You can exit the list and in this case, the search mode is reset to automatic, and the display returns to the parent menu.

In Idle screen, when in manual search mode:

The current registered network is displayed as usual,

If the network is lost, the list of all surrounding networks is displayed, automatically,

You can use the same process as below to register on a network,

If the current registered network is found again, the screen returns to the standard Idle display.

10.5.3 EXAMPLES

10.5.3.1   NETWORK MANUAL SEARCH (SUCCESS)

Network	
Call Barring	
Select	Exit

Services menu:

| Select |

Validates the Network entry

Search	
Preferred list	
Forbidden	
Home Network	
Select	Exit

Network menu:

| Select |

Validates the Search entry

Automatic	
Manual	
Select	Exit

Search menu:

☐ Select   Validates the <u>Manual</u> entry

Manual network search	ⓘ
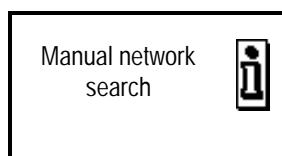
Timer

information screen:
Exit after a 3 second delay

Scanning for Networks	⧗
	Cancel

"End or scanning"

Transition screen:
The mobile founds all available networks.
The list display is shown progressively when networks are found.

End of scan operation

Automatic	
F-SFR	
F-Itineris	
F-Bouygtel	
Select	Exit
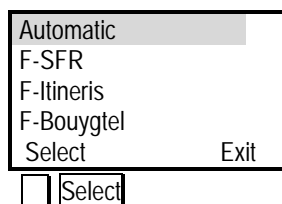
☐ Select

Display of network list:
The " **AUDIO_MANUAL_PLMN_TONE**" is played when the PLMN list is received.
The first item is automatic selection
All available networks are displayed

Choice for SFR

Requesting…	⧗
	Cancel

"End or scanning"

Transition screen:
The mobile tries to camp on the network.

End of scan operation

Idle screen SFR	
Melody	Lock

Idle screen:
The mobile is now registered on SFR.

10.5.3.2   NETWORK MANUAL SEARCH (FAILED)

Network Call Barring Select Exit	Services menu:

Select   Validates the Network entry

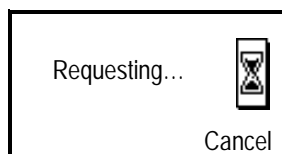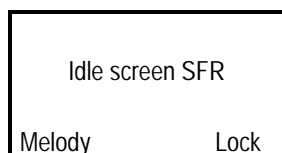|	
Search Preferred list Forbidden Home Network Select Exit	Network menu:

Select   Validates the Search entry

Automatic Manual Select Exit	Search menu:

Select   Validates the Manual entry
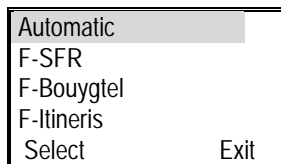
Scanning for Networks ⧖
Cancel

Transition screen:
The mobile founds all available networks.
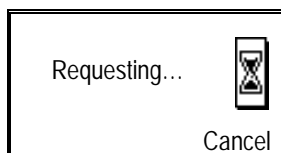The list display is shown progressively when networks are found.

"End or scanning"   End of scan operation

Automatic
F-SFR
F-Bouygtel
F-Itineris
Select   Exit

Display of network list:
The first item is automatic selection
All available networks are displayed

□ Select   Choice for SFR

Requesting… ⧖
Cancel

Transition screen:
The mobile tries to camp on the network.

"End or scanning"   End of scan operation

Failed
Exit

Information screen:
the registration fails.

"Timer"

Automatic
F-SFR
F-Bouygtel
F-Itineris
Select   Exit
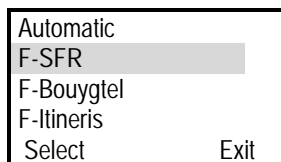
Display of network list:
You can try another network to register.

10.5.3.3   NETWORK PREFERRED LIST MANAGEMENT

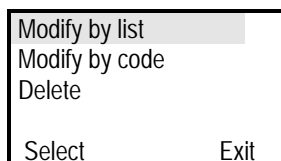|	
Search **Preferred list** Forbidden Home Network Select Exit	Network menu:
Select	Validates the <u>Preferred </u>entry

Preferred list:
F-Itineris
[…]
F-Bouygtel
                    Exit
  List
	Preferred Networks list display:
	The second item is empty.
	Actions softkey = all actions on the current selected item:
	Non empty item = Edit, Get from list, Delete
	Empty item = Edit, Get from list

Actions	Edit the current highlighted item
Modify by list Modify by code Delete Select Exit	"Actions" menu:
☐ **Select**	Access to the <u>Modify by list </u>item
D-D2 F-SFR Itineris F-Bouygtel Select Exit	All networks list:
☐ **Select**	Validates the <u>F-SFR</u> network

Preferred list:
F-SFR
[…]
F-Bouygtel
                    Exit
  List
	Preferred Networks list display:
	Itineris has been changed to F-SFR.

☐	Go to the <u>[…]</u> entry

Preferred list:
F-SFR
[…]
F-Bouygtel
                    Exit
  List
	Preferred Networks list display:

Actions	Actions menu access

```
Modify by list
Modify by code
Delete

 Select          Exit
```
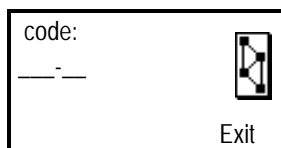
"Actions" menu:
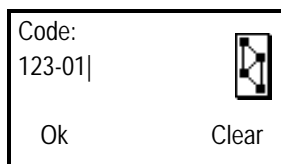
☐ Select   Access to the Edit item

```
 code:
___-__          ◰

               Exit
```

Network code entry:

12301   Network code entry: country code followed by network code

```
Code:
123-01|         ◰

 Ok            Clear
```

Network code entry:
if the entry is similar to one of the known networks, the mobile makes a match and the name is used instead of the network code.
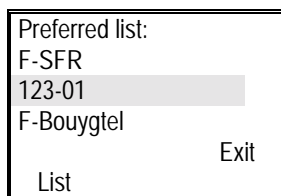Clear = erases the last entered character.
Ok = code validation
You can use ☐ to navigate in the entry (circular)

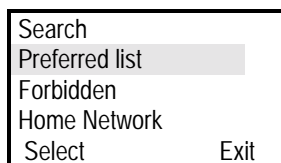Ok   Validates the entry

```
Preferred list:
F-SFR
123-01
F-Bouygtel
               Exit
  List
```
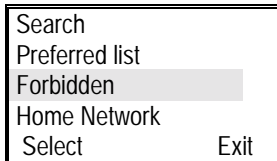
Preferred Networks list display:

Exit   To leave the list

```
Search
Preferred list
Forbidden
Home Network
 Select         Exit
```

Network menu:

10.5.3.4 DISPLAYING THE FORBIDDEN NETWORKS LIST

Search Preferred list Forbidden Home Network Select　　　　Exit	Network menu:
Select	Selects the Forbidden item
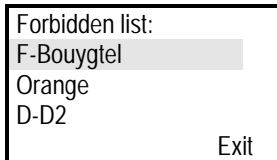
Forbidden list: F-Bouygtel Orange D-D2 　　　　　　Exit	Forbidden Networks list display: You can just display this list.
Exit	Exits of the list
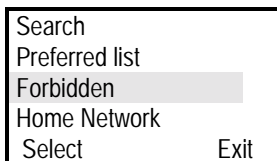
Search Preferred list Forbidden Home Network Select　　　　Exit	Network menu:

10.5.3.5 DISPLAYING THE HOME NETWORK NAME
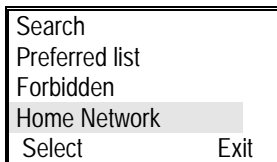
Search Preferred list Forbidden Home Network Select　　　　Exit	Network menu:
Select	Validates the Home network entry
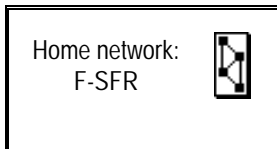
Home network: 　F-SFR	Home network name display: Display durung 3 seconds or exit by any softkey.
"3 sec. timer"	exit
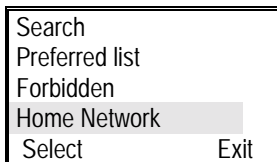
Search Preferred list Forbidden Home Network Select　　　　Exit	Network menu:

10.6   USING THE CALL BARRING SERVICE

10.6.1 PRESENTATION

You can bar the calls as follows:

- Outgoing calls

- All outgoing calls: in this case No normal outgoing call is possible,

- All outgoing international calls: in this case, any call with an international prefix will be barred by the network,

- Outgoing international calls excluding Home: this allows the user to make international calls only to other subscribers on the home network,

- Incoming calls:

- All incoming calls: in this case, the user cannot be joined in any case,

- Incoming Calls when roaming: in this case, the user cannot be joined if he is camped on a different network from his home network.

You can cancel all barring conditions as a whole. You can consult the current call barring status.

A 4-digit password is requested when activating and deactivating the service.

10.6.2 EXAMPLE

```
Network
Call Barring


 Select            Exit
```
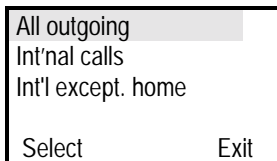Select

Services menu:

Validates the Call Barring entry

```
Outgoing
Incoming
Cancel All
Change password
 Select            Exit
```
Select

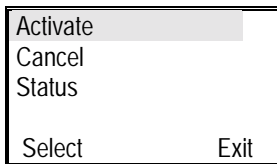Call Barring menu:

Validates the "outgoing" entry

| All outgoing |
| Int'nal calls |
| Int'l except. home |
| |
| Select   Exit |

Services/Call Barring/Outgoing menu:

Select   Validates the " All outgoing " entry

| Activate |
| Cancel |
| Status |
| |
| Select   Exit |

Services/Call Barring/Outgoing/All menu:

Select   Validates the "Activate" entry

| Enter password: 🔑 |
| |
| | |
| Exit |
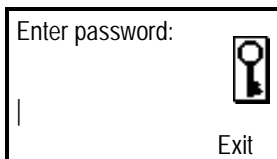
Password entry screen:

"2222"   Password entry

| Enter password: 🔑 |
| |
| ****| |
| Ok   Clear |
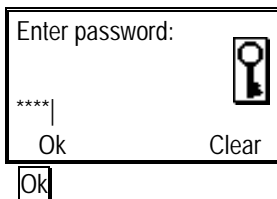
Password entry screen:

Ok   Password validation
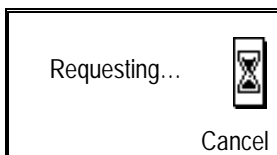
| Requesting…   ⧗ |
| |
| Cancel |

Transition screen:

.

"Network answer"   The network answers to the request

| All outgoing   ⓘ |
| Calls barred |
| |
| Exit |
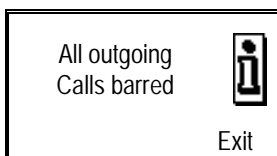
Information screen:
Display during 3 seconds. The screen indicates the new status of outgoing calls
Exit after a 3-second delay or press on any softkey.

"3 sec. timer"   Exits.

| Activate |
| Cancel |
| Status |
| |
| Select   Exit |
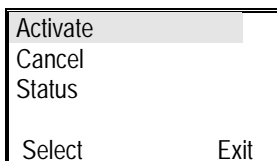
Services/Call Barring/Outgoing/All menu:

For the "Cancel" operation, the behaviour is the same. For the "Status" operation, the password entry sequence is skipped. When requesting a status check, elementary results are displayed for each basic service, and the display takes into account the number of answers returned by the network.

11.   USING THE BROADCAST SERVICE

11.1   PRESENTATION

11.1.1 SERVICE DESCRIPTION

The network operator can send broadcast messages (named SMSCB or CB messages). These messages deal with several subjects, like road traffic, weather, advertising, hospitals, network operator services, etc. and may be sent in different languages. Normally, they are displayed on the phone immediately after reception when the phone is in "**Standby**" mode only. In order to filter the messages, you can choose the messages subjects you want to see, the other being discarded by the phone.

You can also deactivate the service, allowing all messages to be discarded.

The CB Idle message type is operator configurable. The update mode for received CB is customisable.

11.1.2 LANGUAGE SELECTION

The CB messages can be sent in different languages by the network. No menu item is foreseen for the language selection. The selected message language is the language in use on the phone.

When on the home network, the English language is always selected in addition to the particular selected language if no CB message is received with a text in the current phone selected language.

11.2   BROADCAST SERVICE PARAMETERS

The menu allows selecting the broadcast messages types, activating or deactivating the service and to set the broadcast alert mode.

11.2.1 PREDEFINED AND AVAILABLE MESSAGE TYPES

11.2.1.1   PREDEFINED MESSAGES TYPES

On all networks, some message types have the same significance. They have been predefined in all languages for user convenience. This list contains the following message types:

Type	Significance	Type	Significance
000	Index	040	Weather
010	Flashes	050	District (base station identity)
020	Hospitals	052	Network information
022	Doctors	054	Operator services
024	Pharmacy	056	National directory inquiries
030	Long distance Road reports	057	International directory inquiries
032	Local road reports	058	National customer care
034	Taxis	059	International Custom Care

This list contains is not user modifiable.

11.2.1.2   AVAILABLE MESSAGE TYPES

The network can also broadcast a special message (called the "CB index") that indicates which messages types are available. This message is not used for CB message types selection.

11.2.2 SCREEN SEQUENCES

11.2.2.1   SEQUENCE 1: NO SELECTIONS DEFINED

Call & Times	
GSM Services	
Broadcast	
Settings	
Select	Exit

Main menu:

Select   Validates Broadcast entry

On/Off	
Message type	
Alert	
Select	Exit

Broadcast menu:

□ Select   Validates Message Types entry

Selected CB types:	
[...]	
[...]	
[...]	
Edit	Exit

Selection screen menu:
No selection defined for first type
Edit = access to the list of predefined message types
Actions = "Actions" menu (Modify by list , Modify by code, Delete) access

Actions   Access to the "Actions" menu

Modify by list	
Modify by code	
Delete	
Select	Exit

Selection screen menu:
No selection defined

□ Select   Access to the Modify by list item

Message types	
Flashes	
Hospitals	
Doctors	
Select	Exit

CB types list display:

□ □ Select   Validates Hospitals type

```
Selected  types:
Hospitals
[...]
[...]
  Edit           Exit

  ☐
```

Selection screen menu:
First selection is Hospitals
Edit = access to the list of predefined message types.
Actions = "Actions" menu (Modify by list, Modify by code , Delete) access

Go to next item

```
Selected CB types:
Hospitals
[...]
[...]
  Edit           Exit

Actions
```

Selection screen menu:
No selection defined
Edit = access to the list of predefined message types.
Actions = "Actions" menu (Modify by list, Modify by code) access

Access to the "Actions" menu

```
Modify by list
Modify by code


  Ok            Clear

Select
```

"Actions" menu:

Access to the Modify by code item

```
Code:
___



                 Exit

"022" Ok
```

Type code entry:
A numeric editor is entered
At first number entry, the **Exit** softkey is changed to **Clear**

You enter the code of CB you want to see

```
Selected CB types:
Hospitals
Doctors
[...]
  Edit           Exit

Exit
```

Selection screen menu:
Second selection is CB type 022, which has been changed to doctors as found in the list

Exit of operation

```
On/Off
Message types
Alert

  Select         Exit
```

Broadcast menu:

11.2.2.2   SEQUENCE 2: SELECTIONS MODIFICATIONS

```
On/Off
Message types
Alert

 Select          Exit
```
Broadcast menu:

Select
Validates Message types entry

```
Selected CB types:
Hospitals
Doctors
[…]
  Edit          Exit
```
Selection screen menu:

Actions
Access to "Actions" menu

```
Modify by list
Modify by code
Delete

 Select          Exit
```
"Actions" menu:
You can choose from the list, enter a type directly or delete the current selection.

Select
Validates the Modify by list entry

```
Message types
Flashes
Hospitals
Doctors
 Select          Exit
```
List type display:

Select
Validates Flashes type

```
Selected CB types:
Flashes
Doctors
[…]
  List          Exit
```
Selection screen menu:
First selection has been changed to flashes

Go to next selection

```
Selected CB types:
Flashes
Doctors
[…]
  List          Exit
```
Selection screen menu:

Actions
Access to "Actions" menu

Modify by list	
Modify by code	
Delete	
Select	Exit

"Actions" menu:
You can choose from the list, enter a type directly or delete the current selection.

Select

Validates the Delete entry

Selected CB types:	
Flashes	
[…]	
[…]	
Edit	Exit

Selection screen menu:
Doctors has been erased from the list.

Exit

Exit of operation

On/Off	
Message types	
Alert	
Select	Exit

Broadcast menu:

11.2.3 SETTING THE CB MESSAGE ALERT TONE

This allows to set an alert audio signal on CB messages (CB idle excluded) reception. Alert is played at the time of display only.

On/Off	
Mesage types	
Alert	
Select	Exit

Broadcast menu:

Select

Validates Alert tone entry

Alert:	
On	🔕
Off	
Select	Exit

CB alert question:
The current Setting is set as initial entry.

Select

Validates On answer

On/Off	
Message types	
Alert	
Select	Exit

Broadcast menu:

11.2.4 ACTIVATING THE BROADCAST SERVICE

This allows to activate or deactivate the CB messages reception on the phone. This is associated to a Setting, so, at phone switch-on, the CB service is managed according to the Setting current value. If no selection is defined before activation, the user is advised by a warning message when activating the service.

```
On/Off
Message types
Alert

 Select        Exit
```
Broadcast menu:

Select

Validates <u>On/Off</u> entry

```
Broadcast
On                    ⬚
Off
 Select        Exit
```
CB activation question:
The current status is given as initial entry.

Select

Validates <u>On</u> answer

```
  Select CB types
      now.          ⚠

               Exit
```
Warning message:
If no CB types have been selected, the activation is cancelled and a warning beep is played.
Display during 3 seconds.
Exit = go to CB selection

"Right softkey"

Go directly to CB selection process

```
Selected  types:
[...]
[...]
[...]
 Edit          Exit
```
CB selection process:
You are asked to choose CB types.
If exit, return to the broadcast menu.
When exiting selection, return to the question screen above for CB activation.

11.3   RECEIVING BROADCAST MESSAGES

11.3.1 GENERAL ON CB MESSAGES

CB messages can be classified in:

❑   CB-Idle messages, which are displayed on the Idle screen, overlapping a part , but not all, of the screen,

❑   Other CB messages, which overlap all the Idle screen when displayed.

CB messages are always displayed in Idle screen only. When the phone is not in this state, the display is postponed and will be done on return to Idle screen.

If the alert mode for CB has been activated, the AUDIO_CB_TONE is played at the time of display, for all CB received.
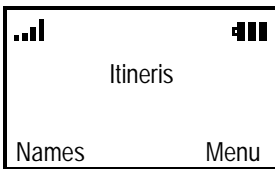
11.3.2 CB-IDLE MESSAGE RECEPTION

The CB idle is displayed in the standard Idle screen. No tones are managed for such messages.

If the CB idle is longer than the place allowed (one line in Idle screen) for its display, the CB is displayed in a ticker tape mode (with a change of whole line by timer.

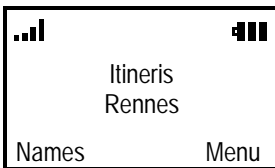The CB Idle Index is Operator dependent. By default, no CB index is managed.

☞ **Note: CB messages are not received while engaged in a conversation.**

11.3.2.1   CB IDLE RECEPTION: EXAMPLE (SMALL MESSAGE)

```
.ıll            ıll
      Itineris

Names          Menu
```
CB Idle reception

Idle screen with no CB:

```
.ıll            ıll
      Itineris
      Rennes
Names          Menu
```
CB Idle reception

Idle screen with CB idle display:
The network indicates you are entering the Rennes location area

```
.ıll            ıll
      Itineris
      Le Mans
Names          Menu
```
Leaving the Le Mans area

Idle screen with CB idle display:
The network indicates you are entering the Rennes location area

```
.ıll            ıll
      Itineris

Names          Menu
```
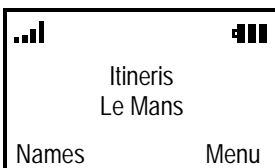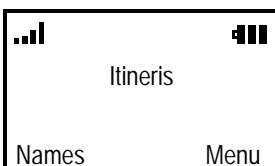
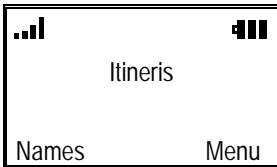**Standard idle screen:**
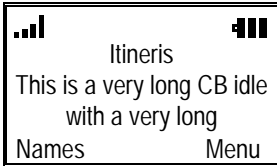 The CB text is erased from the screen after a 15 seconds delay after leaving the area

11.3.2.2   CB IDLE RECEPTION: EXAMPLE (LONG MESSAGE)

```
..ıl          ◀ıı
       Itineris



Names         Menu
```
CB Idle reception

Idle screen with no CB:

```
..ıl          ◀ıı
       Itineris
This is a very long CB idle
    with a very long
Names         Menu
```
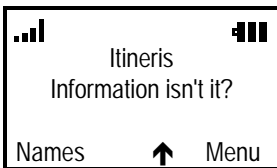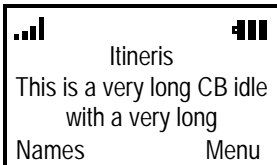1-second timer

Idle screen with CB idle display:
A long CB idle is displayed in two lines
Read = read the whole CB idle text on the whole page

```
..ıl          ◀ıı
       Itineris
   Information isn't it?

Names    ↑    Menu
```

Idle screen with CB idle display:

```
..ıl          ◀ıı
       Itineris
This is a very long CB idle
    with a very long
Names         Menu
```

Idle screen with CB idle display:
The CB idle text is display continuously.

11.3.3 OTHER CB MESSAGES RECEPTION

11.3.3.1   RECEPTION AND STORAGE PROCESS

The normal CB messages can be received at any moment. They are displayed in Idle screen only and overlap the bottom part of the screen keeping the network name displayed in all cases . A CB message can consist of up to 15 pages that are displayed sequentially, screen by screen to the user. A CB message page is up to 93 characters long and can be displayed in several screens, depending on its size.

The following rules apply for Normal CB reception:

- ❑   If the phone is not in Idle state at CB reception, the display is postponed to the moment of return to Idle state,

- ❑   An "**AUDIO_CB_TONE**" is played at the first display of the message,

- ❑   CB messages are temporarily stored in a circular RAM queue, which can hold up to 15 CB pages,

- ❑   Once the phone returns in Idle state, the first CB page stored in the queue is displayed,

11.3.3.2   CB DISPLAY PRINCIPLES AND USER ACTIONS

11.3.3.2.1   CB display principles (normal case)

A CB is displayed in the following way:

- ❑   The CB Title is displayed first and gives the message type (code or text, if known) and the number of pages of the CB. The display is left automatically after a 5 seconds delay or by a press on ☐ key.

- ❑   After that, the received pages are displayed sequentially, a page being displayed on several screens, depending on its size. Each page screen is displayed during 5 seconds or you can press ☐ key to go to the

next screen/CB page,

❑ At the end of the current CB display, when all related received pages have been displayed, the display process goes to the next received CB

❑ A CB can be displayed even if all its pages have not been received. In this case, several incomplete CB can be displayed. The display goes then over all CB in course,

11.3.3.2.2   Available user actions during the CB display process

❑ A press on ☐ goes to the next CB message/Page of CB/Page fragment. Automatic scrolling is activated if no user action is detected, after 5 second delay of user inactivity,

❑ A press on **Clear** deletes the current displayed CB information (all pages). After that, the CB display restarts with the following one in the queue, after a 5 seconds delay,

❑ A press on **Send** if phone numbers are included in the CB text, calls directly the only number present in the text or shows, in a line mode list, all numbers found in the CB text. Scrolling in this list using the ☐ key and pressing **Send** makes a call to the selected number,

❑ A press on **Delete** softkey allows to delete the current displayed message.

Item	Condition for display	Purpose
Delete All		To delete all CB currently stored in the queue
Numbers	At least a number is found in the message text	To call the numbers found in the message and store them in the scratchpad
Broadcast Off		To deactivate the CB service
Delete		To delete the current CB

11.3.3.3 NORMAL CB DISPLAY EXAMPLE

11.3.3.4 NORMAL CB DISPLAY EXAMPLE
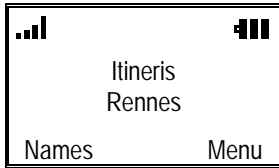
```
.ıll           ◄▌▌
       Itineris
       Rennes

 Names        Menu
```
"CB reception"

Idle screen with CB idle display:
The network indicates you are entering the Rennes location area

```
.ıll           ◄▌▌
       Itineris
 Local traffic
 1/1
 Delete       Menu
```
"5 seconds" delay
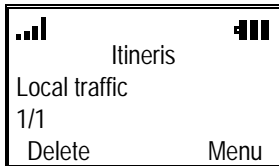
Idle screen with CB display:
The first part of the CB message is displayed
You can use * and # keys to navigate in the text

```
.ıll           ◄▌▌
       Itineris
 Big traffic on the south
 freeway. Accident near
 Delete    ↑  Menu
```
"5 seconds" delay
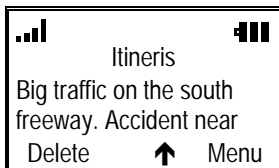
Idle screen with CB display:
The second part of the CB message is displayed

```
.ıll           ◄▌▌
       Itineris
 the airport. Be careful and
 drive slowly!
 Delete    ↑  Menu
```
Delete

Idle screen with CB display:
The third part of the CB message is displayed

Deletes the message

```
.ıll           ◄▌▌
       Itineris
       Rennes

 Names        Menu
```
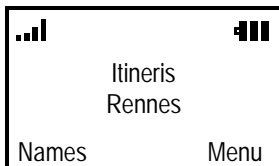
Idle screen with CB idle display:
Return to Idle screen with the CB Idle display.

12.   SELECTING THE PHONE SETTINGS

12.1   KEYPAD LOCK

12.1.1 LOCKING THE KEYPAD FROM THE IDLE SCREEN

The user can lock the keypad by pressing the Actions key followed by a press on # key.
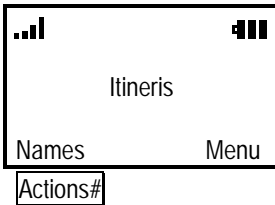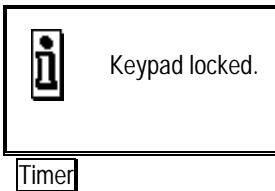
Idle screen:
The right softkey allows to lock the keypad and displays an open padlock and a key

.ııl   ꓭ‖‖
            Itineris
Names   Menu

Actions#   To lock the keypad

Information screen:
Display during 2 seconds
.
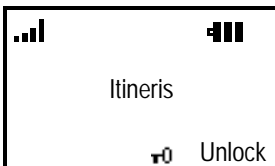
ℹ   Keypad locked.

Timer   Exits the screen

Idle screen:
The right softkey has been changed and a keypad lock icon is displayed.
The left softkey has no function attached.

.ııl   ꓭ‖‖
            Itineris
                ᴦ0   Unlock

12.1.2 LOCKING THE KEYPAD FROM THE SETTINGS MENU

To lock the keypad, select the item from the "Settings" menu.

Keypad Lock
Language
Tones
Display
 Select   Exit   Settings Menu:

Select   Validates keypad lock

Information screen:
Display during 2 seconds
.
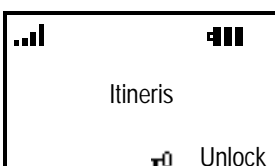
ℹ   Keypad locked.

Timer   Exits the screen

Idle screen:
The right softkey has been changed and a keypad lock icon is displayed.
The left softkey has no function attached.

.ııl   ꓭ‖‖
            Itineris
                ᴦ0   Unlock

12.1.3 MOBILE BEHAVIOUR WITH KEYPAD LOCKED

When keypad lock, if a key is pressed, no tone is generated and the user cannot access menu or make a call. The `menu` softkey is labelled `Unlock` and the `Names` softkey is hidden.

However, calls to emergency services are still possible and when there is an incoming call, the keypad lock is suspended during the call and resumed when the display returns to Idle state when no call.

Each time a key is pressed, a backlight warning message is displayed:

▪▪▪▌⊤0   ◀▮▮▮
 	
    Itineris
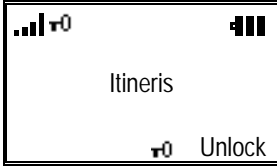 	
                    ⊤0 Unlock
	Idle screen:
	The right softkey label has been changed to `Unlock` and a keypad lock icon is displayed.
	The left softkey has no function attached.

"any key press"	

[i] Locked: Press
      (Unlock #) to
          unlock
	Information screen:
	Display during 2 seconds

"Timer"	Exits the screen

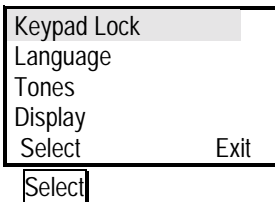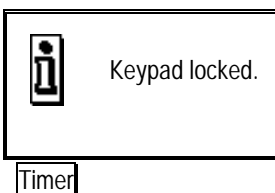|	

▪▪▪▌   ◀▮▮▮
 	
    Itineris
 	
                    ⊤0 Unlock
	Idle screen:
	The right softkey has been changed and a keypad lock icon is displayed.
	The left softkey has no function attached.

12.1.4 UNLOCKING THE KEYPAD

The keypad can be unlocked by the following methods:

- Either by a press on Actions key followed by a press on #, which directly unlocks the keypad,

- Or by a press on Unlock softkey followed by a press on # key.

When the unlock sequence is pressed, a confirmation message is also displayed:

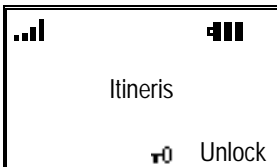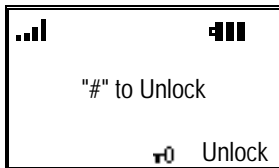|	
..ıl ᴛ0 ₄ııı Itineris ᴛ0 Unlock Unlock	**Idle screen:** The right softkey has been changed and a keypad lock icon is displayed. The left softkey has no function attached. To unlock the keypad
..ıl ₄ııı "#" to Unlock ᴛ0 Unlock #	**Idle screen:** The right softkey has been changed and a keypad lock icon is displayed. The left softkey has no function attached. To unlock the keypad
i Keypad unlocked "Timer"	**Information screen:** Display during 2 seconds . Exits the screen
..ıl ₄ııı Itineris Names Menu	**Idle screen:** Normal state

12.2   SELECTING THE LANGUAGE

The phone available languages depend on the phone geographical area localisation and are a factory Setting. Group of languages have been defined. the following languages are supported:

❑   English, French, Spanish

To set the language, select the "Language" item from the "Settings" menu by pressing **Select** softkey.

☞ **Note: The default factory value for language is " English ".**

☞ **Note: While in Idle screen, the language can be selected using the following methods:**

❑   **Entering *#0000# select the home network language,**

❑   **Entering *#0xxx# selects the language for the country whose "xxx" is the phone international prefix (for example *#0033# selects French). If such a language is not available on the phone, the English language is selected by default.**

Keypad Lock	
Language	
Tones	
Display	
Select	Exit
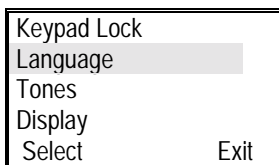
Settings Menu:

Select   Selects Language

English	
French	
Espanol	
Select	Exit
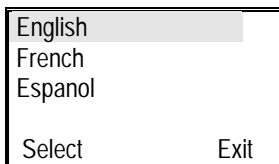
Language Menu:
The current language is pointed when entering in the menu

☐ Select   Change to French and validation

Verrouillage clavier	
Langue	
Sons	
Affichage	
Select	Exit
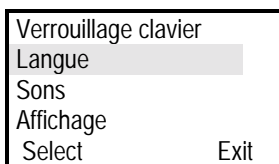
Settings Menu:
Display is in French now.

12.3   TONES RELATED SETTINGS

All these settings are accessed by the "Settings/Tones" menu item.

12.3.1 SELECTING THE ALERT TONES

12.3.1.1   AVAILABLE ALERT TONES

To select the alert tones, select the item from the "Settings/Tones" menu.

2 permanent alert tones are available: "Ring only" and "Silent".

When changing the Alert tones to " Silent " , the user is warned if the ring volume is Off. In this case, the ring-off icon is displayed in Idle screen.

12.3.1.2   SELECTING THE ALERT TONES FROM THE SETTINGS

Keypad Lock	
Language	
Tones	
Display	
Select	Exit

Settings Menu:

Select

Selects Sounds

Alert tones	
Ring tone	
Volumes	
Select	Exit

Settings/Tones Menu:

Select

Selects Alert tones
An icon in Idle screen will indicate this state

Ring	
Silent	
Select	Exit

Tones Menu:
Silent is the current Setting
When the ring volume is set to Off, a warning display informs the user at this stage. In this conditions, the ring-off icon is displayed in Idle screen.

Select

Selects Ring

i   Stored

Information:

Alert tones
Ring tone
Volumes
Select   Exit

Settings/Tones Menu:

12.3.1.3 SELECTING THE ALERT TONES FROM THE IDLE SCREEN

To select the alert tones, press ☐ from the idle screen. The same procedure as above applies (Direct access to the alert tones menu)

☞ **Note: When changing from vibrate to ring, a message warns the user if the ring volume is Off.**

..ıl   🖉◄ıll
Itineris
Rennes
Names   Menu

Idle screen:
Normal state
The mobile is in vibrate mode

☐ Selects Alert Tones short-cut
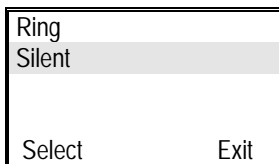
Ring
Silent
Select   Exit

Tones Menu:
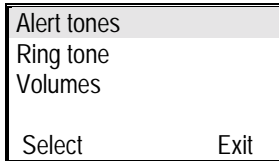Silent is the current Setting
When the ring volume is set to Off, a warning display informs the user at this stage. In this conditions, the ring-off icon is displayed in Idle screen.

Select Selects Silent

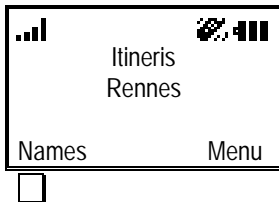| |
|---|
| **i**   Stored |

Information:

..ıl   ⚡◄ıll
Itineris
Rennes
Names   Menu
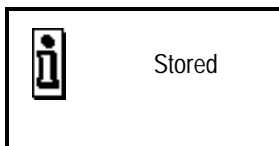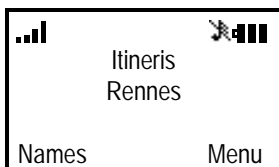
Idle screen:
The ring-off icon is displayed if the ring volume is Off.

12.3.2 SELECTING THE RING TONES

The user can choose the ring tone generated during an incoming call within 16 melodies and 4 tones provided in standard by Mitsubishi. However, melodies content and names can also be downloaded from Contact Software. Another choice can be made using a own melody that can be composed on the keypad (See Compose melody paragraph for details). The related item is named "Composed melody" in the items list.

To select the ring tone, select the item from the "Settings/Tones" menu. The selection relates to the current DCS line in use only.

☞ **Note: By default, the ring tone 1 is selected.**

Alert tones	
Ring tone	
Volumes	
Select	Exit

Settings/Tones Menu:

Select — Selects Ring tone

Melody 1	
Melody 2	
Melody 3	
Melody 4	
Select	Exit

Ring Tone Menu:
Melody 3 is the current Setting
When entering in the list, the current tone/melody is played only after a 2 seconds delay with no user action (if the ring volume is off or if the alert tones is Vibrate, no melody is played).
When scrolling in items, the current melody is played after a 1-second delay.

☐ Select — Validates melody 4

Alert tones	
Ring tone	
Volumes	
Select	Exit

Settings/Tones Menu:

12.3.3 TUNING THE AUDIO VOLUMES

The volumes are accessed by the Volume item of the "Settings/Tones" menu.

In "Vibrate only" alert tones, no sounds are played during volume tuning.

From the standby state, all volumes settings can be accessed by a long press on the Volume key). This gives a direct access to the Volume menu.

During conversation, the Speech volume is the only directly accessed.

12.3.3.1   RING VOLUME TUNING

During the tuning, the ring volume is played (taking into account the master volume setting) except when in "Vibrate only" alert tones setting. 8 values from 0 to 7 are selectable.

```
Ring
Ramping
Keys
Conversation
 Select        Exit
```
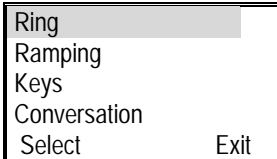
Settings/Tones/Volume Menu:

Select   Selects Ring

```
I ▀▀▀▀
  ▀▀▀     Ring
I ▀▀      volume
  ▀

Ok             Exit
```

Ring volume control screen:
Press ☐ key or * ( )/ # (↑) keys to tune the volume. The " AUDIO_VOLUME_KEY_TONE " tone is played each time the key is pressed (In case of bounds reaching, the " AUDIO_VOLUME_KEY_ERROR_TONE " tone is played).

Ok = new value confirmation, Exit = no change in volume.

☐ 3 times   decreases the volume to 0

```
I ▀▀▀▀
  ▀▀▀     Ring
I ▀▀      volume: Off
  □

Ok             Exit
```

Ring volume control screen:
When setting a minimum value, the volume is off and the silent mode icon is displayed in Idle screen indicating this tuning,
During tuning, the Ring tone is played according to its volume mixed to the master volume.

Ok   Validates the new value and exits.

When the volume is set to 0, a warning display informs the user in this stage and also when returning from silent to Ring alert tones setting.

```
   Warning:       ⚠
  Ring volume off

               Exit
```
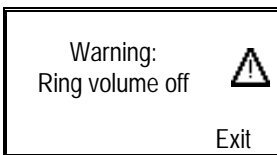
Warning screen:
Display during 2 seconds
.

"Timer"   Exits the screen

```
Ring
Ramping
Keys
Conversation
 Select        Exit
```
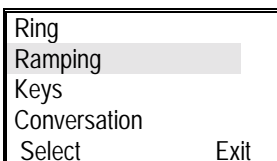
Settings/Tones/Volume Menu:

12.3.3.2   KEYS VOLUME TUNING

During the tuning, the key volume (taking into account the master volume setting) is played except when in "Vibrate only" alert tones setting. 8 values from 0 to 7 are selectable. Same screen sequence as for the ring volume tuning. The keys volume can be switched off.

12.3.3.3 SPEECH VOLUME TUNING (OUTSIDE OF A CALL)

No tone is played during the speech volume tuning. 8 values from 0 to 7 are selectable. Same screen sequence as for the ring volume tuning. The speech volume cannot be switched off.

12.3.3.4 SPEECH VOLUME TUNING (DURING A CALL)

See Making and receiving calls section for details. During a call, the remote user conversation is played as volume feedback. 8 values from 0 to 7 are selectable. The speech volume cannot be switched off.

12.3.3.5 ALARMS VOLUME TUNING

The user can set the alarms volume (alarm clock, diary alarm, low battery alarm). 8 values from 0 to 7 are selectable. The alarm volume can be switched off . The procedure is the same as for the ring volume.

During the power-on sequence, the alarm tone is played with its specific tone. In other circumstances, the alarm is played according to the alert tones setting ("Vibrate only" for instance).

12.3.3.6 RAMPING VOLUME

The ramping volume applies to ring volume only. In this case, the ring volume is increased step by step from the lowest ring volume.

To set the ramping, select the item from the "Settings/Volumes" menu.

☞ **Note: The factory default value for ramping is "Off".**

Ring
Ramping
Keys
Conversation
Select   Exit

Select

Selects <u>Ramping</u>

Ramping:	
On	
Off	🗗
Select Exit	

Ramping setting:
The current status is displayed as initial entry.
Press ☐ key or ⁕ (   )/ ⌗ (↑) keys to change selection.

☐	Select

Change setting and validates

Ring
Ramping
Keys
Conversation
Select   Exit

Settings/Tones/Volume Menu:

12.4   SELECTING THE DISPLAY PARAMETERS

12.4.1 BACKLIGHT

The backlight option enables setting on or off the light of the LCD and keypad during 10 seconds after each key press or during incoming call alert.

To set the backlight, select the "Backlight" item from the "Settings/Display" menu.

☞ **Note: The default factory value for backlight is "On".**

Keypad Lock Language Tones Display Select Exit	Settings Menu:
[Select]	Selects <u>Display</u>

Backlight Contrast Select Exit	Settings/Display Menu:
[Select]	Selects <u>Backlight</u>

Backlight: On for 10 sec. Off ▨ Select Exit	Backlight setting: The current status is displayed as initial entry. Use ☐ key or ✱ ( )/ # (↑) keys to change option
☐ [Select]	Change setting and validates

Backlight Contrast Select Exit	Settings/Display Menu:

12.4.2 CONTRAST

The user can set the contrast of the screen.

To set the contrast, select the "Contrast" item from the "Settings/Display" menu.

☞ **Note: The default factory value for contrast is "Medium".**
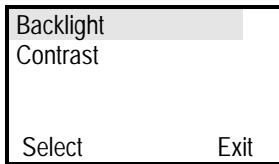
Backlight Contrast Select Exit	Settings/Display Menu:
☐ Select	Selects <u>Contrast</u>
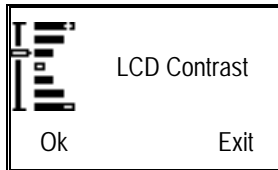
LCD Contrast Ok Exit	**LCD Contrast control screen:** Use ☐ key or * ( )/ # (↑) keys to tune the LCD contrast (in a circular way). The " AUDIO_VOLUME_KEY_TONE " tone is played each time the key is pressed (In case of bounds reaching, the " AUDIO_VOLUME_KEY_ERROR_TONE " tone is played The LCD contrast is directly modified according to the tuning.
↑	Increase the LCD contrast

LCD Contrast Ok Exit	**LCD contrast control screen:**
Ok	Leave the process
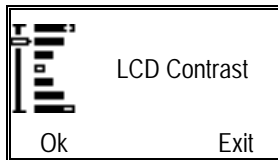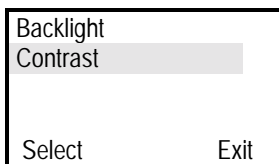
Backlight Contrast Select Exit	Settings/Display Menu:

12.5   KEYS RELATED SETTINGS

12.5.1 ANY KEY ANSWER

This option enables to accept incoming call with any key except END key and function associated keys such as the right softkey with "No ring" indication when on incoming call state..

To set the Any Key Answer, select the "Any key answer" item from the "Settings/Keys" menu.

☞ **Note: The default factory value for Any key answer is " Off ".**

```
┌─────────────────────────┐
│ Keys                    │    Settings Menu:
│ Auto features           │
│ Security                │
│ Time & date             │
│  Select          Exit   │
└─────────────────────────┘
   ┌────────┐
   │ Select │                  Selects Keys
   └────────┘
```

```
┌─────────────────────────┐
│ Any Key Answer          │    Settings/Keys Menu:
│ Hotkey programming      │
│ Speed dialling          │
│                         │
│  Select          Exit   │
└─────────────────────────┘
┌────────┐
│ Select │                     Selects Any key answer
└────────┘
```

```
┌─────────────────────────┐
│ Any key answer:         │    Any key answer setting:
│ On                      │    The current status is displayed as initial entry.
│ Off              ⊠      │
│                         │
│  Select          Exit   │
└─────────────────────────┘
  ┌──┐┌────────┐
  │  ││ Select │               Change setting and validates
  └──┘└────────┘
```

```
┌─────────────────────────┐
│ Any Key Answer          │    Settings/Keys Menu:
│ Hotkey programming      │
│ Speed dialling          │
│                         │
│  Select          Exit   │
└─────────────────────────┘
```

12.5.2 SPEED DIALLING

This option allows associating a phone number to each numeric key [1…9]. If a number is associated to a key, when in idle screen, a long press on this key will call the associated phone number.

To associate a number to a key, select the "Speed Dialling" item from the "Settings/keys" menu.

Only numbers stored in memories can be selected. In case of SIM association and change of SIM content, the association may be modified (for example, if the key 3 is associated to SIM phone book entry 5 and if this entry is deleted, the key 3 points now on an empty entry).

☞ **Note: By default, the Voice Mail number is associated to the key 1 and the other keys are associated to the entries [2..9] of the SIM ADN phonebook. If such entries are empty, the information will be signaled to the user when pressing long the numeric keys.**

```
Any Key Answer
Hotkey programming
Speed dialling

 Select          Exit
```
Select

Settings/Keys Menu:

Selects Speed dialling item

```
      Key 1

    Voice Mail
              Exit
```

Speed dial list:
First key. The user is not allowed to modify it.

Go to next key

```
      Key 2

    Empty
Names         Exit
```
Names

Speed dial list:
Second key is empty
Names = memories access
Exit = Exit to parent menu

Access to memories to make an association

```
"memory consultation"
```

Memory consultation
Choosing a card

Choosing Vincent

```
        Key 2


        Vincent
Names              Exit
```

Speed dial list:
Second key is associated to phone book entry Vincent.
Actions key allows also to go into Names or to delete the association.

```
Exit
```
Exits the process

```
Any Key Answer
Hotkey programming
Speed dialling

 Select            Exit
```

Settings/Keys Menu:

12.5.3 HOTKEY PROGRAMMING

```
Any Key Answer
Hotkey programming
Speed dialling

 Select          Exit
```

Settings/Keys Menu:

Select

Selects <u>Hotkey</u>

```
Alert tones
Call Diverting
Ring tone
Menu
 Select          Exit
```

Hotkey functions Menu:
The current associated function is highlighted on menu entry.

Exit = exit with no change.

Select = exit with current item selected

Use ☐ key or * (   )/ # (↑) keys to change option

Goes to next menu part

```
Currency Converter
Names
Keypad lock
My ID management
 Select          Exit
```
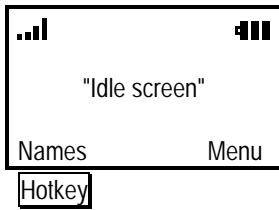
Softkeys functions Menu:

Select

Selects Currency Converter

```
Any Key Answer
Hotkey programming
Speed dialling

 Select          Exit
```

Settings/Keys Menu:

12.5.3.1   LIST OF FUNCTIONS

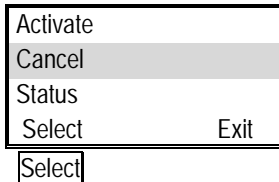| Function	Description
Call diverting	To manage the call diverting unconditional function. This function gives access to a special binary choice for setting the call diverting unconditional with the last forwarded-to number stored in mobile non-volatile memory.
My ID management	Quick access to the Sending my Id menu (same process)
Currency converter	Quick access to the Currency converter
Menu	Access to the main menu
Names	Quick access to the mixed ADN memories, essentially for dialling
Ring tone	Quick access to the Ring tone selection.
Alert tone	Quick access to the Alert tone selection.
Scratchpad	Quick access to the scratchpad function
Keypad lock	Quick access to the Keypad lock function
Line selection	Quick access to the Select line function

12.5.3.2   DIVERTING FUNCTION DETAILS

```
.ıll              ıll
      "Idle screen"

Names           Menu
```
Hotkey

Idle screen:
The softkeys are associated to Filter and keypad lock functions.

Access to the call divert function

```
Activate
Cancel
Status
 Select         Exit
```
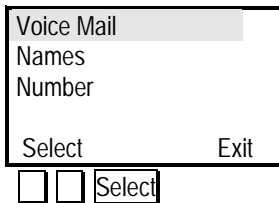Select

CFU activation/deactivation menu:
The user can activate, cancel the CFU service.
Exit exits the process
Select = item selection

Select Activate

If the CFU status is known, the selected item is the opposite of the current status, otherwise the current item is the first one (Activate).
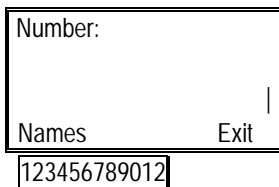
```
Voice Mail
Names
Number

Select          Exit
```
☐ ☐ Select

FTN choice menu:
Call divert/Activate
A choice between the voice mail, enter the phone books or editing a number is possible.

Validates the last entered FTN
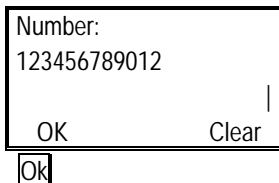
```
Number:



Names          Exit
```
123456789012

Number entry
If a forwarded-to number has never been entered, it is requested now, otherwise this screen is skipped
Exit exits the process Names allows accessing to the memories

Phone number entry

```
Number:
123456789012

 OK            Clear
```
Ok

Number entry
(This screen is skipped if a forwarded to number already exists.
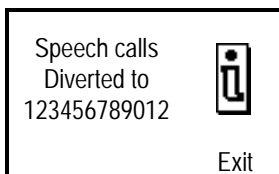
Entry validation. The number is saved in mobile non-volatile memory

```
   Requesting…

            Cancel
```

Transition screen
The function is being activated in the network

```
Speech calls      ┌─┐
Diverted to       │i│
123456789012      └─┘

            Exit
```

Confirmation screen
The function is active in the network
Exit by Exit or a 2-second display

Exit

```
.ıl           ५   ◀▌▌▌    Idle screen:
                           The call diverting unconditional icon is shown indicating the active state of the filter
      "Idle screen"

Names           Menu
```

12.6   AUTO FEATURES SETTINGS

12.6.1 AUTO ANSWER

Auto Answer option enables an automatic answer after 5s of ringing when there is an incoming call and if the phone is connected to the hands-free kit or to the handset.

To set the Auto Answer, select the "Auto answer" item from the "Settings/Auto features" menu.

☞ **Note: The default factory value for Auto Answer is " Off ".**
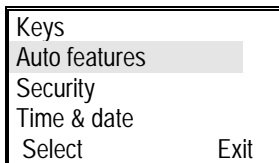
```
Keys                      Settings Menu:
Auto features
Security
Time & date
 Select        Exit
```
 Select   Selects Auto features

```
Auto answer               Settings/Auto features Menu:
Auto retry



 Select        Exit
```
 Select   Selects Auto answer

```
Auto answer:              Auto answer setting:
On                        The current status is displayed as initial entry.
Off                 ▨

 Select        Exit
```
☐ Select   Change setting and validates

```
Auto answer               Settings/Auto features Menu:
Auto retry



 Select        Exit
```

12.6.2 SELECTING THE AUTORETRY FEATURE

The Auto retry option enables to retry a call when a call fails under some circumstances as busy call.

To set the Auto Answer, select the "Auto retry" item from the "Settings/Auto features" menu.
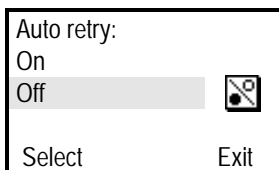
☞ **Note: The default factory value for Auto-retry is " Off ".**

Auto answer Auto retry Select Exit	Settings/Auto features Menu:
☐ Select	Selects Auto retry
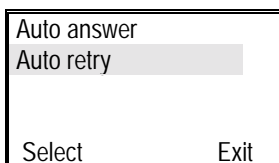
Auto retry: On Off ▧ Select Exit	Auto retry setting: The current status is displayed as initial entry.
☐ Select	Change setting and validates

Auto answer Auto retry Select Exit	Settings/Auto features Menu:

12.7   MANAGING THE SECURITY PARAMETERS

12.7.1 PIN MANAGEMENT

The PIN code protects the access to SIM. It can be enabled or disabled and the code can be changed.

If the PIN is disabled, to enable it, select the "Security" item from the "Settings" menu.

Up to 3 attempts are allowed to enable/disable or change the PIN.
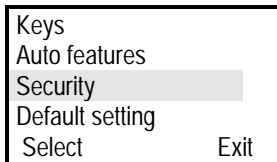
Keys Auto features Security Default setting Select Exit	Settings Menu:
Select	Selects Security
PIN enable PIN2 change Phone lock Select Exit	Settings/Security Menu: If PIN is enabled, the menu shows PIN disable and PIN change items. If PIN is disabled, the menu shows PIN enable only item.
Select	Selects PIN enable
PIN: | Exit	**PIN code entry:**
"1234"	PIN entry
PIN: ****| Ok Clear	**PIN code entry:**
Ok	PIN validation
Enabled	**Result screen:** The PIN is correct and enabled.
"Timer"	Exit the display
PIN disable PIN change PIN2 change Phone lock Select Exit	Settings/Security Menu: The PIN items have been changed according to the new PIN status.
Select	Selects PIN change
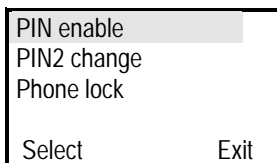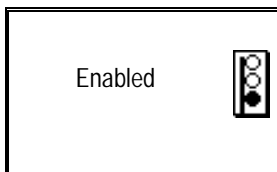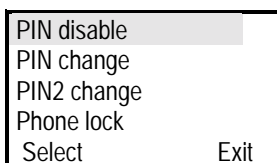
```
┌─────────────────────────┐
│ Old PIN:                │   **PIN code entry:**
│                         │
│ |                       │
│                  Exit   │
└─────────────────────────┘
```
1234   Old PIN entry

```
┌─────────────────────────┐
│ Old PIN:                │   **PIN code entry:**
│                         │
│ ****|                   │
│   Ok          Clear     │
└─────────────────────────┘
```
Ok   Old PIN entry

```
┌─────────────────────────┐
│ New PIN:                │   **PIN code entry:**
│                         │
│ |                       │
│                  Exit   │
└─────────────────────────┘
```
1111   New PIN entry

```
┌─────────────────────────┐
│ New PIN:                │   **PIN code entry:**
│                         │
│ ****|                   │
│   Ok          Clear     │
└─────────────────────────┘
```
Ok   New PIN entry

```
┌─────────────────────────┐
│ New PIN again:          │   **PIN code entry:**
│                         │
│ |                       │
│                  Exit   │
└─────────────────────────┘
```
1111   New PIN entry

```
┌─────────────────────────┐
│ New PIN again:          │   **PIN code entry:**
│                         │
│ ****|                   │
│   Ok          Clear     │
└─────────────────────────┘
```
Ok   New PIN entry

```
┌─────────────────────────┐
│                      ╔══╗│
│  Changed             ║ ○║│
│                      ║ ○║│
│                      ║ ●║│
│                      ╚══╝│
└─────────────────────────┘
```
Result screen:
The PIN is correct and enabled.

`"Timer"`   Exit the display

```
┌─────────────────────────┐
│ PIN disable             │
│ PIN change              │
│ PIN2 change             │
│ Phone lock              │
│ Select          Exit    │
└─────────────────────────┘
```
Settings/Security Menu:

12.7.2 PIN2 CHANGE

The PIN2 protects some functions of the SIM. If available, the PIN2 code can be changed.

To change it, select the "PIN2 change" item from the "Settings/Security" menu.

The same process as for the change of PIN id applied (See above).

12.7.3 PHONE LOCK

The phone lock is a code that protects the phone of unauthorised usage and protects also the usage of features as "Reset Call Timers".

The phone lock can be activated or not and the code by default can be personalised.

To set it, select the "Security" item from the "Settings" menu by pressing the **Select** softkey.
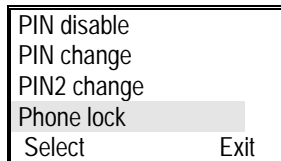
☞ **Note: The default factory value for Phone lock is " 0000" and the phone lock is disabled.**

```
┌─────────────────────────┐
│ PIN disable             │
│ PIN change              │
│ PIN2 change             │
│ Phone lock              │
│ Select          Exit    │
└─────────────────────────┘
```
Settings/Security Menu:

`Select`   Selects Phone lock
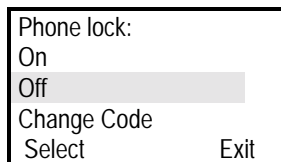
```
┌─────────────────────────┐
│ Phone lock:             │
│ On                      │
│ Off                     │
│ Change Code             │
│ Select          Exit    │
└─────────────────────────┘
```
Phone lock Menu:
The current status of phone lock is pointed when entering the menu.
Here, the phone lock is Off.

□ □ `Select`   Selects On and validates

```
Lock code:


|
              Exit
```
0000

Lock code entry:

Lock code entry

```
Lock code:

****|
  Ok          Clear
```
Ok

Lock code entry:

Lock code validation

```
              [icon]
   Enabled
```
"Timer"

Result screen:
The lock code is enabled.

Exit the display

```
Phone lock:
On
Off
Change Code
 Select        Exit
```
Select

Phone lock Menu:
The current status of phone lock is pointed when entering the menu.
Now, the phone lock is On.

Selects Change code and validates

```
Old code:


|
              Exit
```
0000Ok

Lock code entry:

Old lock code entry

```
New code:


|
              Exit
```
1111Ok

Lock code entry:

New lock code entry

```
New code again:


|
              Exit
```
1111Ok

Lock code entry:

New lock code entry

Result screen:
The lock code has been successfully changed.

Changed

"Timer"   Exit the display

Phone lock: Phone lock Menu:
On   The current status of phone lock is pointed when entering the menu.
Off   Now, the phone lock is On.
Change Code
 Select   Exit

12.8   SETTING THE DEFAULT VALUES

This menu item allows to retrieve some factory default values used for the settings. The related settings are:
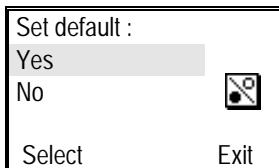
- The alert tones (Ring),

- The ring tones (Ring tone 1),

- The ring, key, speech, clock alarm and master volumes (medium values),

- The ramping mode (Disabled),

- The backlight and contrast (Medium values),

- The any key answer, auto-retry and auto-answer features (Disabled).

-

Keys
Auto features
Security
Default settings
Select   Exit
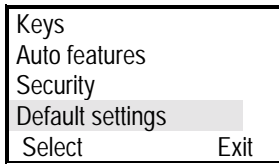
Settings Menu:

Select

Selects <u>Set default</u> item

Set default :	
Yes	
No	🔀
Select Exit	

Binary choice display
A binary choice screen is entered.
Use ☐ key or * ( )/ # (↑) keys to change option
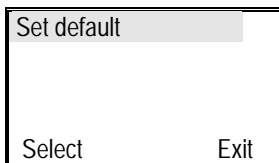Press Select to select the current item.

Press Exit to exit to the parent menu, Exit long press to return to Idle
Press **END** key (if no call) to directly exit to the idle screen.

Select

Selects <u>Yes</u> answer

Set default	
Select Exit	

Settings Menu:

13.   USING THE OFFICE TOOLS
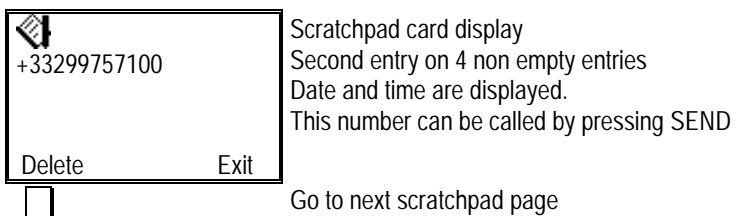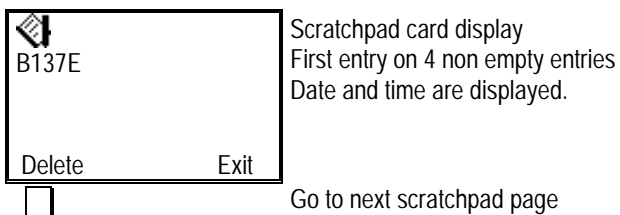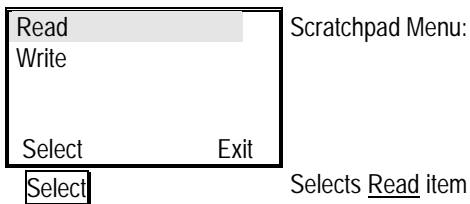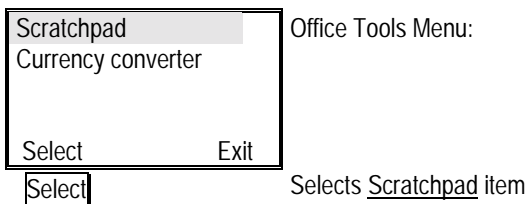
13.1   USING THE SCRATCHPAD

A scratchpad containing 20 entries of 16 bytes each is available. The scratchpad content is stored in non-volatile memory.

To read, write or delete one or all entries, select the "Scratchpad" item from the "Office Tools" menu.

A submenu allows to read the scratchpad content or write a new scratchpad card.

13.1.1 READING THE SCRATCHPAD

Scratchpad cards are displayed in reverse chronological order (the most recent are displayed first). When a card is displayed, it can be deleted (softkey) or, by the actions menu, some other actions can be performed (see below). Each card displays the date and time and the scratchpad text. As in SMS texts, numbers can be found and called from scratchpad cards content.

Scratchpad Currency converter Select Exit	Office Tools Menu:
Select	Selects Scratchpad item

Read Write Select Exit	Scratchpad Menu:
Select	Selects Read item

◀ B137E Delete Exit	Scratchpad card display First entry on 4 non empty entries Date and time are displayed.
☐	Go to next scratchpad page

◀ +33299757100 Delete Exit	Scratchpad card display Second entry on 4 non empty entries Date and time are displayed. This number can be called by pressing SEND
☐	Go to next scratchpad page

```
┌─────────────────────────┐
│ ◈                       │   Scratchpad card display
│ App. at 10.00           │   Third entry on 4 non empty entries
│                         │   Date and time are displayed.
│                         │
│                         │
│ Delete          Exit    │
└─────────────────────────┘
 ┌────┐
 │Exit│                       Go to next scratchpad page
 └────┘
```

13.1.2 SCRATCHPAD READ "ACTIONS" MENU

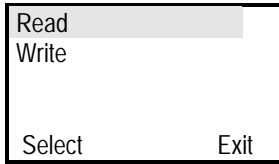| Item	Function
Modify	To modify a scratchpad text
Numbers	To call the phone number or store it in scratchpadries.
Delete all	To delete all scratchpad entries
Delete	To delete an entry

13.1.3 WRITING INTO THE SCRATCHPAD

Entering text in the scratchpad. entry is made using an alphanumeric editor. The date and time are automatically displayed when writing a new scratchpad.

If the scratchpad storage is full, the user is asked to overwrite the oldest card before text entry.

13.1.3.1   PLACE IS AVAILABLE IN THE SCRATCHPAD

| Read |
| Write |
| |
| Select   Exit |

Scratchpad Menu:

| Select |

Selects Write item
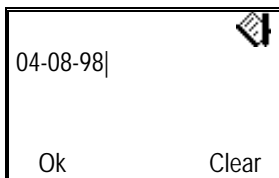
| |
| | |
| |
| Exit |

Scratchpad text entry:
Alphanumeric editor

| 04-08-98 |

Text entry
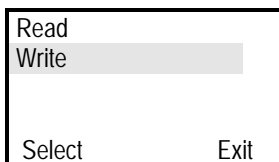
| 04-08-98| |
| |
| Ok   Clear |

Scratchpad text entry:
Alphanumeric editor

| Ok |
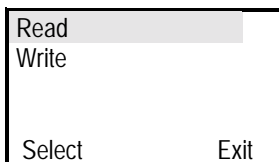
Validation

| Read |
| Write |
| |
| Select   Exit |

Scratchpad Menu:

13.1.3.2   THE SCRATCHPAD IS FULL

| Read |
| Write |
| |
| Select   Exit |

Scratchpad Menu:

| Select |

Selects New item

```
┌─────────────────────────┐
│                    ☐     │   Warning if the scratchpad is full
│ Full               ●     │
│                          │
│                Exit      │
└─────────────────────────┘
```

```
┌─────────────────────────┐
│ Read                     │   Scratchpad Menu:
│ Write                    │
│                          │
│  Select        Exit      │
└─────────────────────────┘
```
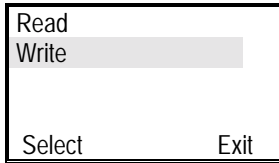
13.2   USING THE CURRENCY CONVERTER
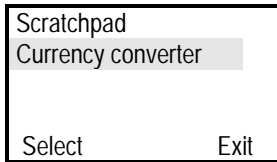
This Currency converter enables to convert amounts between Currencies.

Before using the Currency converter, the user has to set the currency names (Currency 1 and Currency 2) and the exchange rate of Currency 2 in Currency 1. For this, at the first time, when no Currencies have been defined, only a setting menu is shown in order to enforce this entries before operations.

Once initialised, the Currency names are used to display other menu options allowing any conversion to be performed between the two selected currencies.

To access the tool, select the "Currency converter" item from the "Office Tools" menu.
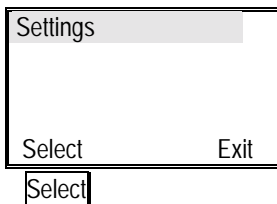
13.2.1 SETTING THE CONVERTER PARAMETERS

Scratchpad Currency converter Select Exit	Office Tools Menu:
Select	Selects <u>Currency converter</u> item
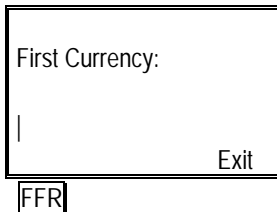
Settings Select Exit	Currency converter Menu: Only the setting option is shown enforcing to initialise the tool before operations
Select	Selects <u>Settings</u> item
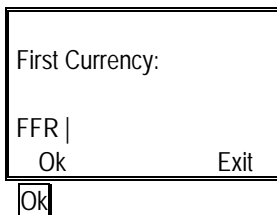
First Currency: | Exit	Currency name entry The user is requested to enter the first Currency name. The entry limit is fixed to 6 characters
FFR	Text entry

First Currency: FFR | Ok Exit	Currency name entry The user is requested to enter the first Currency name. The entry limit is fixed to 6 characters
Ok	Entry validation

```
Second Currency:

|
                    Exit
```
Euro

Currency name entry
The user is requested to enter the second Currency name
 The entry limit is fixed to 6 characters

Text entry

```
Second Currency:

Euro |
  Ok              Exit
```
Euro

Currency name entry
The user is requested to enter the second Currency name
 The entry limit is fixed to 6 characters

Validation

```
Exchange rate
Euro = …FFR:
|
                    Exit
```
6#55957

Exchange rate entry:
Float number editor

Rate entry

```
Exchange rate
Euro = …FFR:
6..55957|
  Ok              Clear
```
OK

Exchange rate entry:

Entry validation

```
FFR > Euro
Euro > FFR
Settings

 Select          Exit
```

Currency converter Menu:
Now the other entries are shown: to convert from Euro and FFR.

13.2.2 USING THE CURRENCY CONVERTER

```
┌─────────────────────────┐
│ Scratchpad              │
│ Currency converter      │
│                         │
│                         │
│ Select          Exit    │
└─────────────────────────┘
```
Office Tools Menu:

[Select] Selects <u>Currency converter</u> item

```
┌─────────────────────────┐
│ FFR > Euro              │
│ Euro > FFR              │
│ Settings                │
│                         │
│ Select          Exit    │
└─────────────────────────┘
```
Currency converter Menu:

[Select] Selects <u>From Euroi</u> item

```
┌─────────────────────────┐
│                         │
│ Amount in: FFR          │
│                         │
│ |                       │
│                 Exit    │
└─────────────────────────┘
```
Amount entry:

[10] Entry

```
┌─────────────────────────┐
│                         │
│ Amount in: FFR          │
│                         │
│ 10|                     │
│   Ok            Exit    │
└─────────────────────────┘
```
Amount entry:

[Ok] Entry validation

```
┌─────────────────────────┐
│   FFR: 10               │
│      =                  │
│   Euro: 1.52            │
│                         │
│ New             Exit    │
└─────────────────────────┘
```
Change display
Result of the conversion
The user can make another conversion by [New] or can [exit] the tool.

[Exit] Exit of converter

14.　ANNEX A: MENU STRUCTURE

14.1　VOICE MAIL MENU

Level 1	Level 2
[Voice Mail] ➔	[Call]
	[Number]
	[Alert]

14.2　PHONE BOOK MENU

Level 1	Level 2	Level 3
Phone book ➔	Recall	
	Store	
	Remaining	
	[Own Numbers]	
	[Fixed Dialling] ➔	View
		Add new
		Status

14.3   MESSAGES MENU

14.3.1 CASE 1: NO TEMPLATE AVAILABLE (PHONE)

Level 1	Level 2	Level 3	Level 4
Messages ➔	Inbox		
	Outbox		
	Write New	Message	
	Settings ➔	Msg centre	
		Validity	
		Format	
		[Pay reply]	
		[Status report]	
	[Alert]		

14.3.2 CASE 2: SEVERAL TEMPLATES AVAILABLE (SIM)

A maximum of 3 templates is managed.

Level 1	Level 2	Level 3	Level 4
Messages ➔	[Inbox]		
	[Outbox]		
	Write New	Message	
	[Settings] ➔	Templates➔	template1 template2 template3
		[Pay reply]	
		[Status report]	
	[Alert]		

14.4 CALLS AND TIMES MENU

Level 1 (Main)	Level 2	Level 3	Level 4
Call & Times ➔	Call logs ➔	Last dial	
		Unanswered	
		Received	
	Call timers ➔	Show	
		Balance information ➔	Call
			Set Number
		Reminder	
		Reset	
	[Call costs] ➔	[Show]	
		[Credit Limit]	
		[Reset]	
		[Display cost type]	
	[Line selection]		

14.5 GSM SERVICES MENU

Level 1	Level 2	Level 3	Level 4	Level 5
GSM Services ➔	[Call Diverting] ➔	Voice ➔	[Always] ➔	Activate
				Cancel
				Status
			[When not reachable] ➔	Activate
				Cancel
				Status
			[On no reply] ➔	Activate
				Cancel
				Status
			[When Busy] ➔	Activate
				Cancel
				Status
			[All conditions] ➔	Activate
				Cancel
				Status
		[Fax]	Same tree as above (for fax calls only)	
		[Data]	Same tree as above (for data calls only)	
		Cancel All		

Level 1	Level 2	Level 3	Level 4	Level 5
GSM Services ➔ (continued)	[Call Waiting] ➔	Activate		
		Cancel		
		Status		
	[Send my ID] ➔	Status		
		My settings ➔	[Hide ID]	
			[Show ID]	
			[Preset]	
	[Receiving caller ID]			
	Network ➔	[Search] ➔	Automatic	
			Manual	
		Preferred list		
		Forbidden		
		Home Network		

Level 1	Level 2	Level 3	Level 4	Level 5
GSM Services ➔ (continued)	[Call Barring] ➔			
		[Outgoing] ➔		
			[All] ➔	Activate
				Cancel
				Status
			[International] ➔	Activate
				Cancel
				Status
			[Int'l except. Home] ➔	Activate
				Cancel
				Status
		[Incoming] ➔		
			[Always] ➔	Activate
				Cancel
				Status
			[Roaming] ➔	Activate
				Cancel
				Status
		[Cancel All]		
		[Chg. Password]		

14.6 BROADCAST MENU

Level 1	Level 2
[Broadcast] ➔	On/Off
	Message types
	Alert

14.7   SETTINGS MENU

Level 1	Level 2	Level 3	Level 4
Settings ➔	Keypad lock		
	Language		
	Tones➔	Alert tones➔	Ring
			Silence
		Ring tone	
		Volumes➔	Ring
			Ramping
			Keys
			Conversation
	Display➔	Backlight	
		Contrast	
	Keys➔	Any key answer	
		Hotkey programming	
		Speed dialling	
	Auto features➔	Auto-answer	
		Auto-retry	
	Security➔	PIN [enable	disable]	
		[PIN change]	
		PIN2 change	
		Phone lock	
	Default settings		

14.8   OFFICE TOOLS MENU

Level 1	Level 2	Level 3
Office Tools ➔	Scratchpad ➔	Read
		Write
	Currency converter ➔	Settings

15.   ANNEX B: PASSWORD PROCEDURES

15.1   PIN ENTRY PROCESSING

The same behaviour applies for PIN and PIN2 codes. The difference is that the PIN2 code is a protection code for some specific SIM functions that will be blocked in case of PUK2 code blocked state. Th PIN blocked state requires the PUK code entry. If the PUK code itself is blocked, the SIM card is definitively out of order and the phone cannot be used for normal operation with such a SIM.

Enter PIN: |	**PIN entry screen:** 1st attempt
"0000"	PIN entry
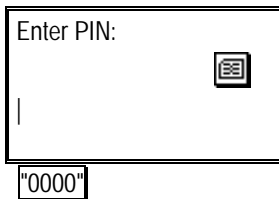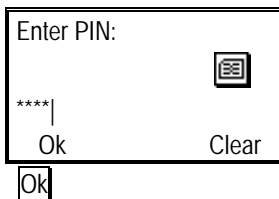
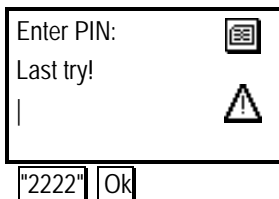|	
Enter PIN: ****| Ok Clear	**PIN entry screen:** 1st attempt Press # or Ok softkey to validate the PIN Press Clear softkey to erase the last character
Ok	Long Press Clear softkey to erase whole entry PIN validation

Wrong PIN Try again ⚠	Error screen: 3 seconds display Exits by any softkey
"Timer"	

Same sequence 1 time. After that:

Enter PIN: Last try! | ⚠	PIN entry screen: 3rd and last attempt
"2222" Ok	PIN entry and validation

PIN blocked ⚠	Error screen: Display during 3 seconds.

Enter PUK:	**PUK entry screen:**
	3 PIN attempts have been false: you are requested to enter the PUK code now. The phone is blocked until you enter a right PUK.
	You have 10 tries to enter a right PUK code. If a good code is not entered, the PUK code itself is blocked and the SIM card is now definitively out of order.
	Note that all attempts are taken into account even if you switch off

16.   ANNEX C: EMERGENCY CALLS

Making emergency calls is possible during:

> Power-on sequence, on phone lock code request,

> Power-on sequence, on PIN request,

> In idle state when typing-in a number to call,

> In the main menu, when typing-in a number to call,

> Directly when the keypad is in a locked state.

The number shall be followed by a press on SEND to be called.

An emergency call is one of the following numbers:

> The international emergency phone number "112",

> Any of the numbers stored in the SIM EF_{ECC} file, if available and accessible.

17.   ANNEX D: MULTITAP KEY SEQUENCES

Following are the multi-tap key sequences used for European languages:

17.1   ENGLISH

Key	Lower case	Upper Case
1	1.,-'@:?	1.,-'@:?
2	abc2	ABC2
3	def3	DEF3
4	ghi4	GHI4
5	jkl5	JKL5
6	mno6	MNO6
7	pqrs7	PQRS7
8	tuv8	TUV8
9	wxyz9	WXYZ9

17.2   FRENCH

Key	Lower case	Upper Case
1	1.,-'@:?	1.,-'@:?
2	abc2àç	ABC2
3	def3éè	DEF3É
4	ghi4	GHI4
5	jkl5	JKL5
6	mno6	MNO6
7	pqrs7	PQRS7
8	tuv8ùü	TUV8
9	wxyz9	WXYZ9

17.3 SPANISH

Key	Lower case	Upper Case
1	1.,¿?-@:	1.,¿?-@:
2	abc2	ABC2
3	def3é	DEF3É
4	ghi4	GHI4
5	jkl5	JKL5
6	mno6ñ	MNO6Ñ
7	pqrs7	PQRS7
8	tuv8ü	TUV8Ü
9	wxyz9	WXYZ9