

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.....	5
8.1	GENERAL ACCESS TO PHONE BOOKS	5
8.2	READING PHONE BOOKS	5
8.2.1	Access	5
8.2.2	Reading phone books.....	7
8.3	WRITING IN PHONE BOOKS	12
8.3.1	Access	12
8.3.2	Operations	12
8.4	MEMORIES CAPACITY CONTROL	15
8.5	OWN NUMBERS DISPLAY.....	16
8.5.1	Presentation.....	16
8.5.2	Example	16
8.6	USING FIXED DIALLING	18
8.6.1	Presentation.....	18
8.6.2	Reading the FDN file.....	18
8.6.3	Entering data in the FDN file	19
8.6.4	Setting On/Off the fixed dialling mode	20
9.	USING THE MESSAGING SYSTEM FACILITIES	21
9.1	MESSAGES PRESENTATION.....	21
9.2	RECEIVING MESSAGES.....	21
9.2.1	Setting the message alert mode.....	22
9.2.2	Messages inbox management	23
9.3	PREPARING MESSAGE SENDING.....	34
9.3.1	Message templates	34
9.4	COMPOSING MESSAGES	43
9.4.1	Creating and sending new messages (several templates).....	43
9.4.2	Creating and sending new messages (no template).....	45
9.4.3	Outbox consultation.....	46
9.5	RECEIVING STATUS REPORTS FOR SENT MESSAGES.....	51
9.5.1	General.....	51
9.5.2	Status Report Message display	51
9.5.3	User actions.....	51
9.5.4	Status reports examples	51
10.	USING THE GSM SERVICES	53
10.1	NETWORK SERVICES DEFINITION AND CATEGORIES.....	53
10.2	USING THE CALL DIVERTING SERVICE.....	54
10.2.1	Call diverting available options	54
10.2.2	Call diverting always (CFU) management	55
10.2.3	"Forwarded-to" number entry	55
10.2.4	Call diverting screen sequences	55
10.3	USING THE CALL WAITING SERVICE	59
10.4	USING THE CALL IDENTIFICATION SERVICE	60
10.4.1	user identity presentation	60
10.4.2	My identity management.....	61
10.4.3	Network identity presentation capability	63
10.5	USING THE NETWORK SELECTION SERVICE	64
10.5.1	Presentation.....	64
10.5.2	Behaviour	64
10.5.3	Examples.....	64
10.6	USING THE CALL BARRING SERVICE	72
10.6.1	Presentation.....	72
10.6.2	Example	72
11.	USING THE BROADCAST SERVICE	74
11.1	PRESENTATION.....	74

11.1.1	Service description	74
11.1.2	Language selection	74
11.2	BROADCAST SERVICE PARAMETERS	74
11.2.1	Predefined and available message types	75
11.2.2	Screen sequences	76
11.2.3	Setting the CB Message Alert tone	79
11.2.4	Activating the broadcast service.....	80
11.3	RECEIVING BROADCAST MESSAGES.....	81
11.3.1	General on CB messages.....	81
11.3.2	CB-Idle message reception.....	81
11.3.3	Other CB messages reception.....	82
12.	SELECTING THE PHONE SETTINGS	85
12.1	KEYPAD LOCK	85
12.1.1	Locking the keypad from the idle screen.....	85
12.1.2	Locking the keypad from the settings menu	85
12.1.3	Mobile behaviour with keypad locked	86
12.1.4	Unlocking the keypad	87
12.2	SELECTING THE LANGUAGE.....	88
12.3	TONES RELATED SETTINGS	89
12.3.1	Selecting the alert tones.....	89
12.3.2	Selecting the ring tones.....	91
12.3.3	Tuning the audio volumes.....	92
12.4	SELECTING THE DISPLAY PARAMETERS	94
12.4.1	Backlight.....	94
12.4.2	Contrast	95
12.5	KEYS RELATED SETTINGS	96
12.5.1	Any key Answer.....	96
12.5.2	Speed dialling	97
12.5.3	Hotkey programming	99
12.6	AUTO FEATURES SETTINGS	102
12.6.1	Auto Answer.....	102
12.6.2	Selecting the autoretry feature.....	103
12.7	MANAGING THE SECURITY PARAMETERS.....	104
12.7.1	PIN Management.....	104
12.7.2	PIN2 Change	106
12.7.3	Phone lock.....	106
12.8	SETTING THE DEFAULT VALUES	109
13.	USING THE OFFICE TOOLS	110
13.1	USING THE SCRATCHPAD	110
13.1.1	Reading the scratchpad	110
13.1.2	Scratchpad read "Actions" menu.....	111
13.1.3	Writing into the scratchpad	112
13.2	USING THE CURRENCY CONVERTER.....	114
13.2.1	Setting the converter parameters.....	114
13.2.2	Using the Currency converter.....	116
14.	ANNEX A: MENU STRUCTURE	117
14.1	VOICE MAIL MENU.....	117
14.2	PHONE BOOK MENU	117
14.3	MESSAGES MENU.....	118
14.3.1	Case 1: no template available (phone).....	118
14.3.2	Case 2: Several templates available (SIM).....	118
14.4	CALLS AND TIMES MENU	119
14.5	GSM SERVICES MENU	120
14.6	BROADCAST MENU	122
14.7	SETTINGS MENU	123
14.8	OFFICE TOOLS MENU.....	124
15.	ANNEX B: PASSWORD PROCEDURES	125

15.1	PIN ENTRY PROCESSING.....	125
16.	ANNEX C: EMERGENCY CALLS	127
17.	ANNEX D: MULTITAP KEY SEQUENCES.....	128
17.1	ENGLISH.....	128
17.2	FRENCH.....	128
17.3	SPANISH	129

8. USING THE PHONE BOOKS

8.1 GENERAL ACCESS TO PHONE BOOKS

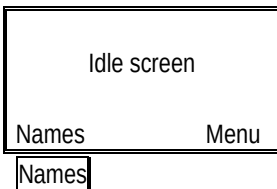
Reading phone books is provided by the following ways:

- Quick phone book access via the **Names** softkey,
- Access to phone books via the Phone Book/Recall menu folder.

8.2 READING PHONE BOOKS

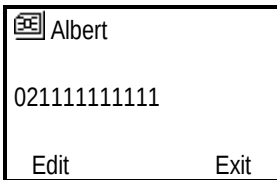
8.2.1 ACCESS

8.2.1.1 FROM THE IDLE SCREEN



Idle screen:

Direct access to phone books (Quick ADN)



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:

SelectChoosing Phone Book item

Recall	
Store	
Remaining	
Own Numbers	
Select	Exit

Phone Book Menu

SelectChoosing 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

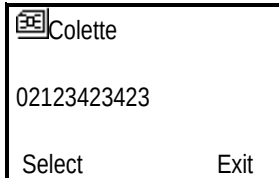
that needs using a phone number.

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.

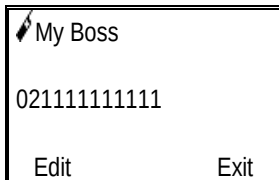


Phone Book card display:

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



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.

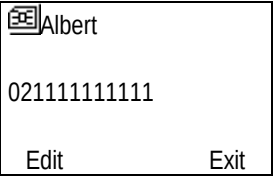
Example: the phone book contains "Alfred" and "Cool" and "Mummy". A key press on the 8 key goes to "Alfred".

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.

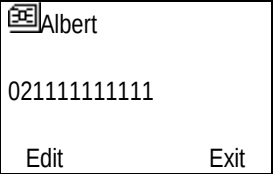


Albert
021111111111
Edit Exit

Phone Book Card display:

SEND

Calls the card phone number

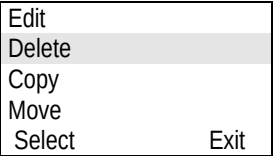
8.2.2.5 DELETING A CARD


Albert
021111111111
Edit Exit

Phone Book Card display:

Actions

Access to "Actions" menu

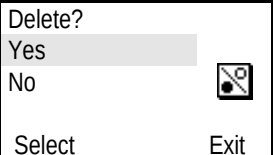


Edit
Delete
Copy
Move
Select Exit

"Actions" menu:

Select

Points Delete and validate

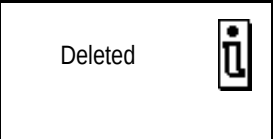


Delete?
Yes
No
Select Exit

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

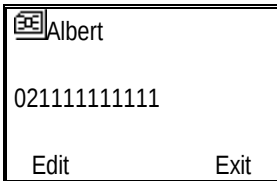
Phone Book Card display:

Edit

Card edition

"Card edition Procedure"

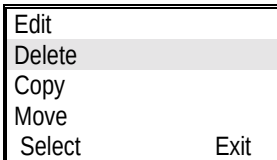
Card edition procedure:
See Store item for details.

8.2.2.7 COPYING A CARD


Phone Book Card display:

 Actions

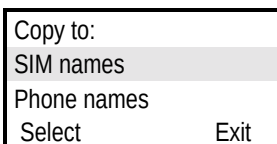
"Actions" menu access



"Actions" menu:

 Select

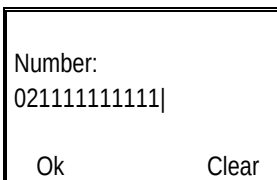
Selects Copy and validate


Question:

You are requested to choose a destination phone book: You have the choice between SIM phone book, Phone memory).

 Select

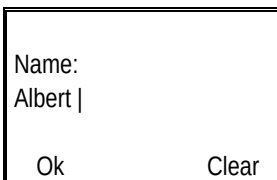
Selects phone memory as destination and validates


Number 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

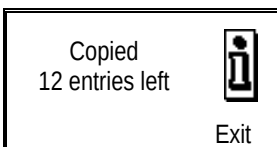
Validates the number


Name 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


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

Enter number:

Phone number editor

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

Number entry

Number:
1234567789|

Ok Clear

Enter number:

Ok

Number validation

Name:
|

Ok Exit

Enter name:

Alphanumeric editor.

"John"

Name:
John |

Ok Clear

Enter name:

Ok

Name validation

Stored

Ent, left : 43

Exit

Information:

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

Right softkey

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

Phone Private 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 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

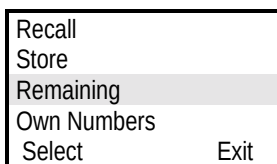
Dialling

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).



Phone Book Menu:

Select

Selects Remaining item

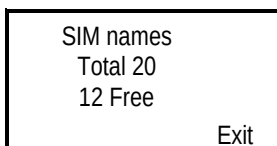


Remaining information:

The remaining information is given globally for the phone (business + private) phonebooks.



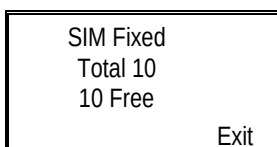
Go to next screen



Remaining information:



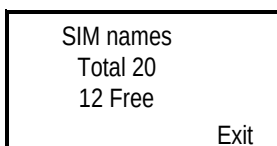
Go to next screen



Remaining information:



Go to next screen

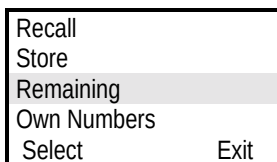


Remaining information:

First screen again now

Exit

Exits



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

☐

To edit the card

Number:	
+332991234	
Ok	Clear

The number is proposed as initial entry

☐

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.

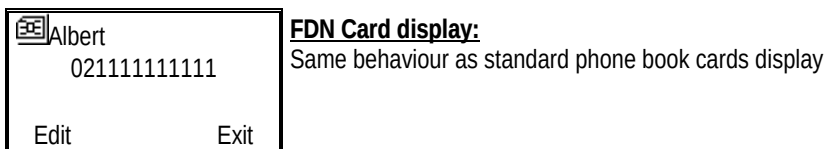
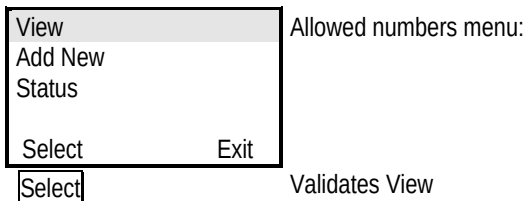
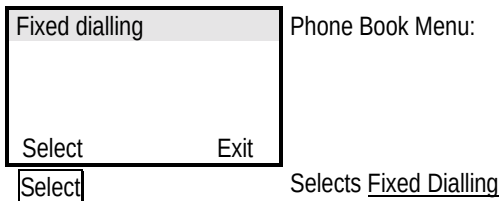
Fixed dialling is a feature allowing to make restrictions on outgoing and diverted calls. Fixed dialling controls are also applied for destination numbers used in SMS and for all SS operations involving phone numbers (when activating a call diverting for example). When in fixed dialling mode:

- 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



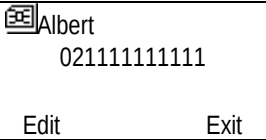
8.6.2.2 CALLING A NUMBER

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

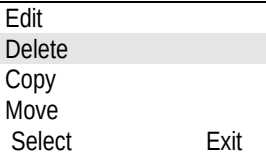


Albert
021111111111
Edit Exit

Phone Book Card display:

Actions

Actions key to access the "Actions" menu

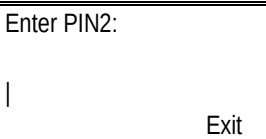


Edit
Delete
Copy
Move
Select Exit

"Actions" menu:

Select

Selects Delete



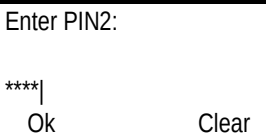
Enter PIN2:
|
Exit

PIN2 code entry:

If required, depending on the card localisation, the PIN2 code is requested before edition procedure.

"1234"

PIN2 entry

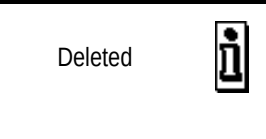


Enter PIN2:
****|
Ok Clear

PIN2 code entry:

Ok

PIN2 validation



Deleted 

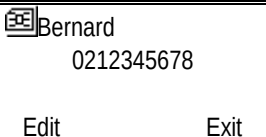
Information:

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


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 item

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

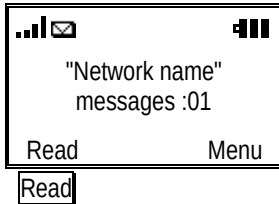
A message can be received at any time on the phone. A double beep indicates the arrival of the message if the user is not in conversation, otherwise the sound indication is generated after the end of all communications.

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

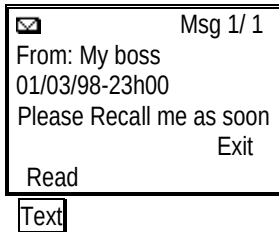
If at least one new message has been received and stored on the SIM or phone, the envelope icon is switched on in the Idle screen status bar and the left softkey text is changed from **Names** to **Read**. If the SMS (SIM + phone) storage becomes full, the SMS icon will blink.



Idle screen

At least a new message stored. The left softkey **Read** allows to access the new SMS reading process.

Access to the messages inbox



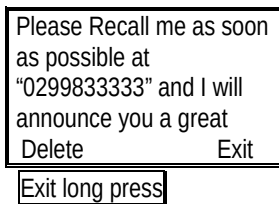
Message header:

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

To view the message text



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

Return to Idle screen



Idle screen

The left softkey has been restored to **Names**

9.2.2.2 READING MESSAGES IN INBOX

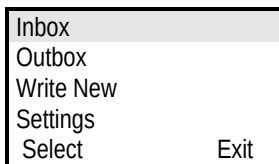
9.2.2.2.1 New messages, old messages

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

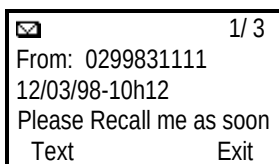
The user can read his new and old received messages, sorted in a reverse chronological order, by selecting the menu “Messages/Inbox” and pressing **Select** softkey.



Messages menu:

Select

Validates Inbox



Message header:

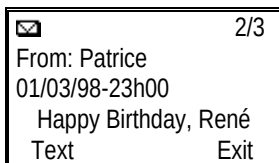
This message is a single message

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



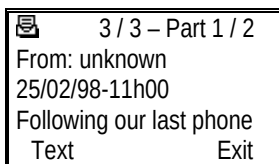
Message header:

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



Message header:

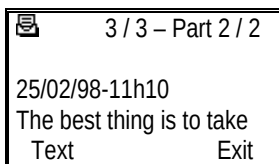
This message is a concatenated one, this part being the first part

Old message

The date and time, the sending party name (unknown) and the beginning of the text are displayed



See next header



Message header:

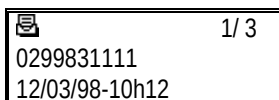
This message is a concatenated one, this part being the second part

Old message

The date and time, the sending party name (unknown) and the beginning of the text are displayed



See next header



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

Exit

Message text:

Exit = return to header

Delete = msg delete

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

Exit

Message header:

Next message header display. The message is now old.

Return to parent menu

Inbox	
Outbox	
Write New	
Settings	
Select	Exit

Messages menu:

Select

Validates Inbox

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

Message header:

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

Message header:

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:



State X display

Message reception

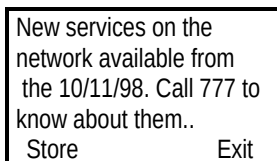


Message header:

Message header display: no sender number provided

Text

Zoom in message text



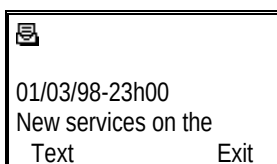
Message text:

Store = storage of message possible

Exit = return to header

Exit

Return to header



Message header display

Exit

Exit of display



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 Delete

Delete:	
Yes	
No	
Select	Exit

Binary choice screen:

The initial answer is delete the message.

Select

Deletes the message

Deleted	
---------	--

Information screen

The message is deleted

If there is no more messages, the phone exits the messages list and returns to the "Messages" 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 Forward

"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

Message header:

Old message

Actions

Access to the "Actions" menu

Read text	
Delete	
Reply	
Forward	
Select	Exit

"Actions" menu

Numbers	
Select	Exit

"Actions" menu

Select

Validates Numbers

0299831111	
5566	
Joe	
Store	Exit

Numbers found list

You can save the current number in memories by a press on **Store**

SEND

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 Validity

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 Message type

Format:
Text
Voice
FAX
Select Exit

Message format menu

Select

Validates FAX 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 Pay reply

Rep. requested?
On
Off
Select Exit

Reply path question:

The current Setting is shown

Select

Validates On 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 Delivery report

Delivery report:
On
Off
Select Exit

Status report question:

The current Setting is shown

Select

Validates On 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: Template list display:

Template1
[...]
Template3
Edit Exit

Edit 1st template

Name:

Template1|

Cheap Name entry

Name:

Cheap |

Entry validation

Message Centre

+3312345678|

Message centre number entry

Message Centre

+441234567890|

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

Gateway address entry

+44112233445566

Gateway address	
+44112233445566	
Ok	Clear

Gateway address entry

Phone number editor

Ok

Entry validation

Stored	
	
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

Messages menu:

Select

Selects the Write new item

Ok

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

Ok for appointment. John
Ok

Text entry

Ok

Text validation

Send
Store
Select

Message actions menu

You can send or store the message.

Select

Selects the Send item

Message Centre:
Ok

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.

Message centre entry

+441234567890

Message Centre
+441234567890
Ok

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.

Entry validation

Ok

Destination:

|

NamesExit

+1234567890

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

Number entry

Destination:	
+1234567890	
Ok	Clear
Ok	

Destination entry

Entry validation

Sending...	
Abort	

Waiting screen

Sending process

Abort = Abort Sending

Sent	
Exit	

Information screen

Store msg?	
Yes	
No	
Select	Exit
Select	

Question (binary choice)

The positive answer is selected as initial entry.

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

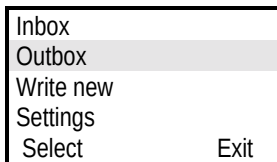
To use a draft message, select “Outbox” from the “Messages” menu and press **Select** softkey.

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.

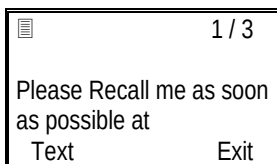
9.4.3.1 SENDING A DRAFT MESSAGE



Messages menu:

Select

Selects the Outbox item

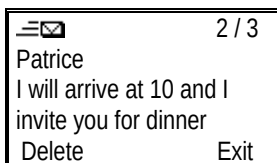


Draft message display

The first 2 lines of the draft message are displayed
No destination has been set for this message.



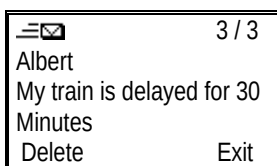
Go to next message



Sent message display



Go to next message



Sent message display

Actions

Access to "Actions" menu

Modify	
Delete	
Status	
Send	
Select	Exit

"Actions" menu

Select

Selects the Send 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 Outbox item

	1/2
Patrice	
12/30-17/11	
My train is delayed for 30	
Text	Exit

Sent message display

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 Delivery status item

Sending...
Cancel

Waiting screen

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-second 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

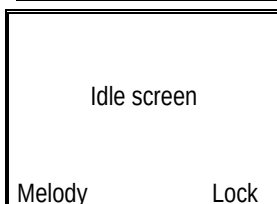
The SR is acknowledged using the **Exit** softkey. The **Delete** softkey allows to directly acknowledge the SR, delete the corresponding sent message and the status report

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

"Status report reception"

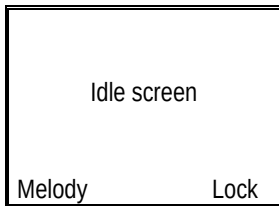
A status report is received



Status report display

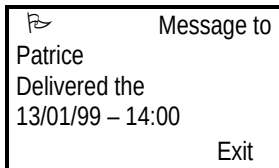
The "AUDIO_SMS_TONE" tone is played at the same time as display
The report indicates that a message has been delivered to Patrice at 14:00 the 13/01/99.
Exit = leave the display. The sent message and SR remain stored.

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 display**

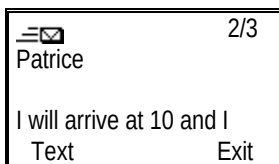
"Status report reception"

A status report is received

**Status report display**

The "AUDIO_SMS_TONE" tone is played at the same time as display

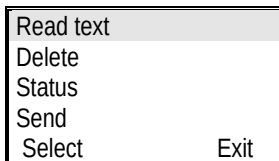
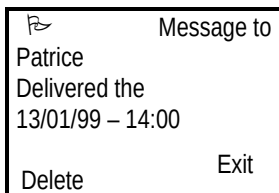
The report indicates that a message has been delivered to Patrice at 14:00 the 13/01/99.

No **Clear** softkey (no actions possible). No "Actions" menu.**9.5.4.3 STATUS REPORT DISPLAY DURING MESSAGE OUTBOX CONSULTATION (IMMEDIATE DISPLAY)****Message header:**

Sent message.

Actions

Access to the "Actions" menu

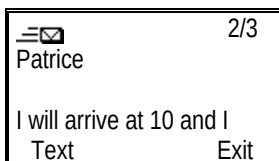
**"Actions" menu**Selects the Delivery status item**Status report display**

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

**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
<u>Call diverting</u>	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).
<u>Call waiting</u>	This service allows to receive new calls while engaged in a conversation.
<u>Call Barring</u>	Allows to bar outgoing or incoming calls.
<u>Call identification</u>	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.
<u>Network search</u>	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 or 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
Receiving 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:**

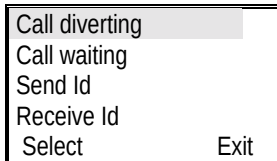
The incoming voice calls are diverted to 0299831111 on no reply.

Display during 3 seconds or exit by any softkey.

Exit the display

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

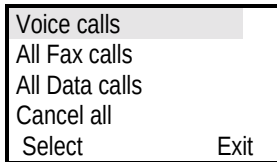
Services menu:

10.2.4.2 CALL DIVERTING CANCELLATION

Services menu:

Select

Validates Call diverting entry

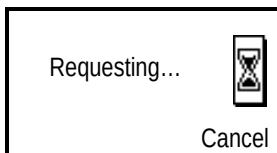
**Service selection menu:**

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

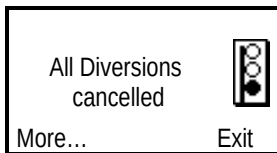
☐ ☐ **Select**

Selects Cancel all



Transition screen:

The command can be exited by a press on **Cancel**



Result screen:

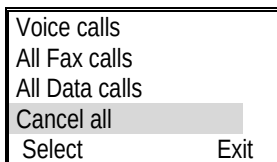
In case of multiple network answers, screens are scrolled using ☐ key or **More...** softkey.

When a single screen, display during 3 seconds or exit by any softkey.

More... **Exit**

"Right softkey"

Exit the display by any softkey

**Service selection menu:**

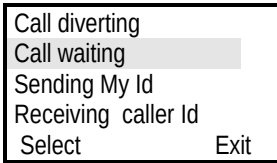
You have to choose what service is to be diverted: voice, fax or data calls.

You can also directly cancel all call divert conditions in one operation by the **Cancel all** item

Select **Exit**

10.3 USING THE CALL WAITING SERVICE

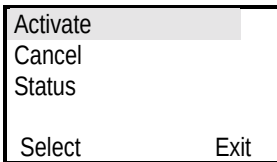
The service is available for voice calls only. You can activate, cancel and check the service status.



Services menu:

Select

Validates Call waiting entry

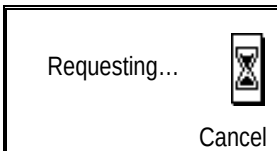


Call waiting menu:

Call waiting

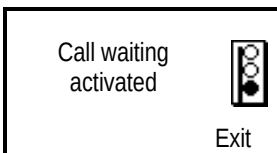
Select

Validates activate



Transition screen:

The command can be exited by a press on **Cancel**.

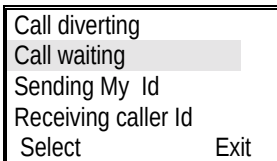


Result screen:

.

Exit

Exit the display by any softkey



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 THE GLOBAL BEHAVIOUR

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

Select

Services menu:

The Mobile Id item relates to the CLIR options.

The Receive Id item relates to the CLIP options.

Validates Sending my Id entry

Status	
My settings	
Select	Exit

Select

Sending my Id menu:

Validates Status item

Requesting...	
Cancel	

"Network answer"

Transition screen:

The network is being consulted...

Status:	
Hide always	
Exit	

"Timer"

Information screen

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

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:

☐ SelectValidates Sending my Id entry

Status	
My settings	
Select	Exit

Sending my Id menu:☐ SelectValidates My settings item

Hide my Id	
Show my Id	
Preset	
Select	Exit

"My settings" menu:

The current status is highlighted when entering in menu.

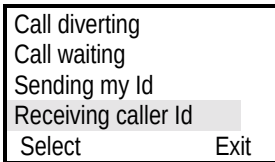
☐ SelectValidates Preset item

Status	
My settings	
Select	Exit

Sending my Id menu:

10.4.3 NETWORK IDENTITY PRESENTATION CAPABILITY

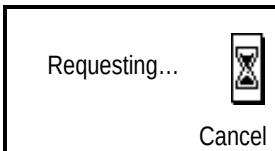
10.4.3.1 CONSULTING THE NETWORK CAPABILITY ABOUT IDENTITY PRESENTATION



Services menu:

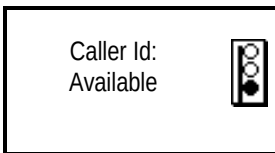
Select

Validates Receive Id. entry



Transition screen:

Consulting the network..

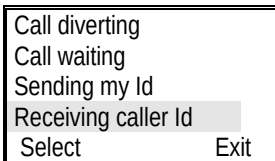


Result screen:

Display during 3 seconds.

Exit by a press on any softkey.

"Timer"



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

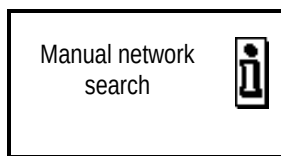
Validates the Search entry

Automatic	
Manual	
Select	Exit

Search menu:

☐	Select
--------------------------	--------

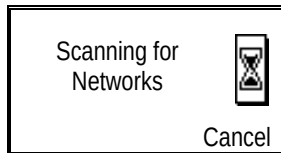
Validates the Manual entry



Timer

information screen:

Exit after a 3 second delay

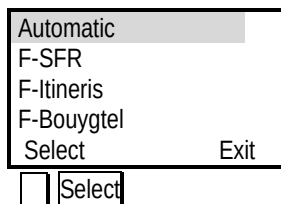


"End or scanning"

Transition screen:

The mobile finds all available networks.

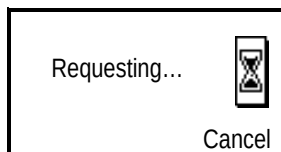
The list display is shown progressively when networks are found.

**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

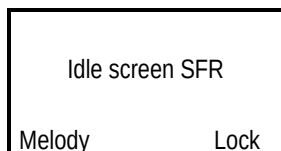
Choice for SFR



"End or scanning"

Transition screen:

The mobile tries to camp on the network.

**Idle screen:**

The mobile is now registered on SFR.

10.5.3.2 NETWORK MANUAL SEARCH (FAILED)

Network	
Call Barring	
Select	Exit

Services menu:

Validates the Network entry

Search	
Preferred list	
Forbidden	
Home Network	
Select	Exit

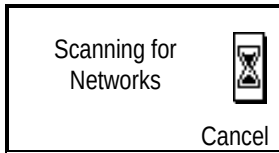
Network menu:

Validates the Search entry

Automatic	
Manual	
Select	Exit

Search menu:

Validates the Manual entry



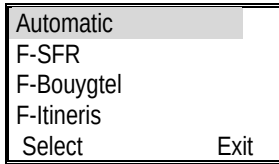
"End or scanning"

Transition screen:

The mobile finds all available networks.

The list display is shown progressively when networks are found.

End of scan operation

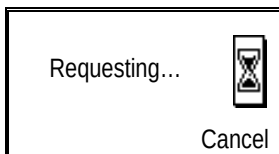


Display of network list:

The first item is automatic selection

All available networks are displayed

Choice for SFR

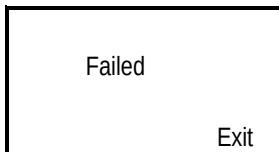


"End or scanning"

Transition screen:

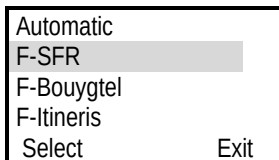
The mobile tries to camp on the network.

End of scan operation



"Timer"

Information screen:
the registration fails.



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:

☐ SelectValidates the Preferred entry

Preferred list:	
F-Itineris	
[...]	
F-Bouygtel	
List	Exit

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:

☐ SelectAccess to the Modify by list item

D-D2	
F-SFR	
Itineris	
F-Bouygtel	
Select	Exit

All networks list:

☐ SelectValidates the F-SFR network

Preferred list:	
F-SFR	
[...]	
F-Bouygtel	
List	Exit

Preferred Networks list display:

Itineris has been changed to F-SFR.

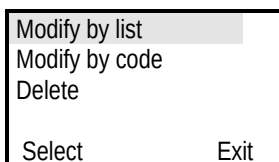
☐Go to the [...] entry

Preferred list:	
F-SFR	
[...]	
F-Bouygtel	
List	Exit

Preferred Networks list display:

☐ Actions

Actions menu access

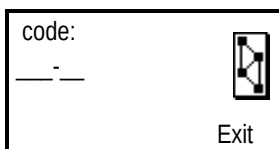


Modify by list
Modify by code
Delete
Select Exit

"Actions" menu:



Access to the Edit item

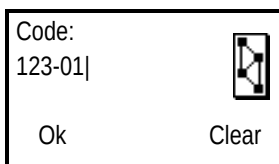


code:
____-____
Exit

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.

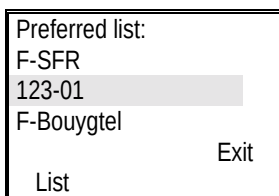
Clear = erases the last entered character.

Ok = code validation

You can use  to navigate in the entry (circular)

Validates the entry

Ok

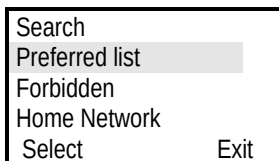


Preferred list:
F-SFR
123-01
F-Bouygtel
List Exit

Preferred Networks list display:

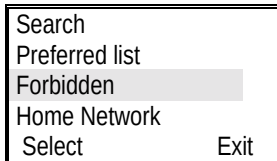
Exit

To leave the list

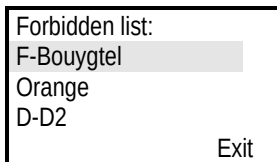


Search
Preferred list
Forbidden
Home Network
Select Exit

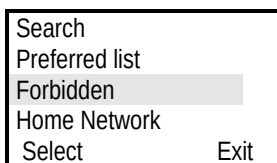
Network menu:

10.5.3.4 DISPLAYING THE FORBIDDEN NETWORKS LIST

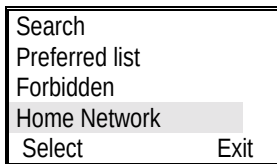
Network menu:

SelectSelects the Forbidden itemForbidden Networks list display:
You can just display this list.**Exit**

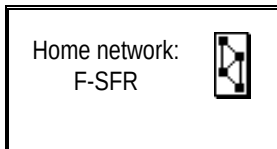
Exits of the list



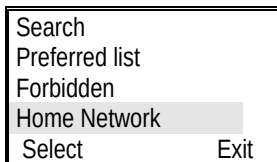
Network menu:

10.5.3.5 DISPLAYING THE HOME NETWORK NAME

Network menu:

SelectValidates the Home network entryHome network name display:
Display during 3 seconds or exit by any softkey.**"3 sec. timer"**

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

Services menu:

Select

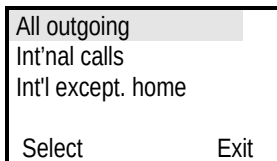
Validates the Call Barring entry

Outgoing
Incoming
Cancel All
Change password
Select Exit

Call Barring menu:

Select

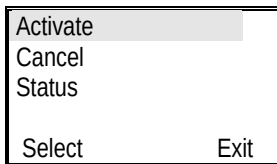
Validates the "outgoing" entry



Services/Call Barring/Outgoing menu:

Select

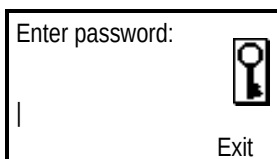
Validates the " All outgoing " entry



Services/Call Barring/Outgoing/All menu:

Select

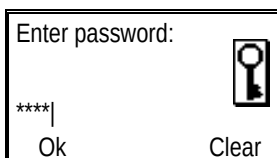
Validates the "Activate" entry



Password entry screen:

"2222"

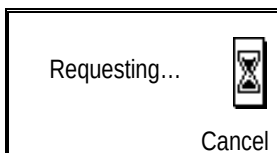
Password entry



Password entry screen:

Ok

Password validation



Transition screen:

"Network answer"

The network answers to the request

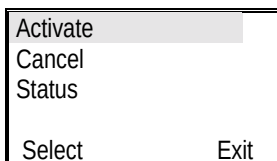


Information screen:

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.



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:

☐ SelectValidates Broadcast entry

On/Off
Message type
Alert
Select
Exit

Broadcast menu:

☐ ☐ SelectValidates 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

☐ ☐ SelectAccess to the Modify by list item

Message types
Flashes
Hospitals
Doctors
Select
Exit

CB types list display:

☐ ☐ ☐ SelectValidates 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:

Validates Message types entry

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

Selection screen menu:

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.

Validates the Modify by list entry

Message types
Flashes
Hospitals
Doctors
Select Exit

List type display:

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:

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.

Validates the Delete entry

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

Selection screen menu:

Doctors has been erased from the list.

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	
Message types	
Alert	
Select	Exit

Broadcast menu:

Validates Alert tone entry

Alert:	
On	
Off	
Select	Exit

CB alert question:

The current Setting is set as initial entry.

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 On/Off entry

Broadcast	
On	
Off	
Select	Exit

CB activation question:

The current status is given as initial entry.

Select

Validates On 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

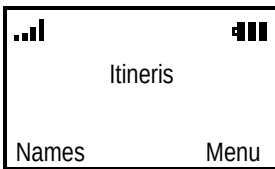
The CB idle is displayed in the standard Idle screen. No tones are managed for such messages.

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.

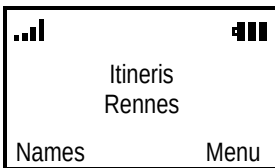
Note: CB messages are not received while engaged in a conversation.

11.3.2.1 CB IDLE RECEPTION: EXAMPLE (SMALL MESSAGE)



Idle screen with no CB:

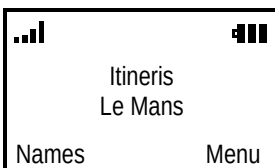
CB Idle reception



Idle screen with CB idle display:

The network indicates you are entering the Rennes location area

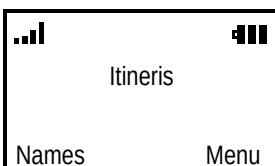
CB Idle reception



Idle screen with CB idle display:

The network indicates you are entering the Rennes location area

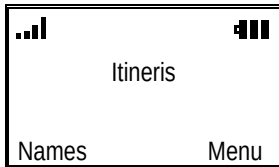
Leaving the Le Mans area



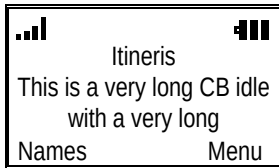
Standard idle screen:

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)



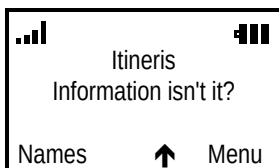
Idle screen with no CB:



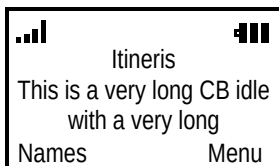
Idle screen with CB idle display:

A long CB idle is displayed in two lines

Read = read the whole CB idle text on the whole page



Idle screen with CB idle display:



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,

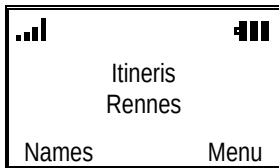
11.3.3.2.2 Available user actions during the CB display process

- ❑ 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 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 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 makes a call to the selected number,
- ❑ A press on 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

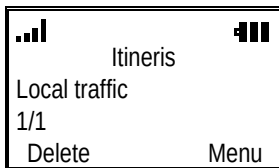
11.3.3.4 NORMAL CB DISPLAY EXAMPLE



"CB reception"

Idle screen with CB idle display:

The network indicates you are entering the Rennes location area

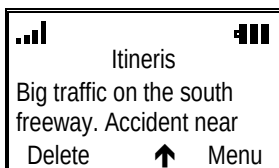


"5 seconds" delay

Idle screen with CB display:

The first part of the CB message is displayed

You can use  and  keys to navigate in the text



"5 seconds" delay

Idle screen with CB display:

The second part of the CB message is displayed

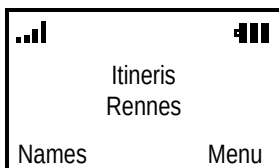




Idle screen with CB display:

The third part of the CB message is displayed

Deletes the message



Idle screen with CB idle display:

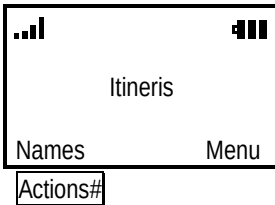
Return to Idle screen with the CB Idle display.

12. SELECTING THE PHONE SETTINGS

12.1 KEYPAD LOCK

12.1.1 LOCKING THE KEYPAD FROM THE IDLE SCREEN

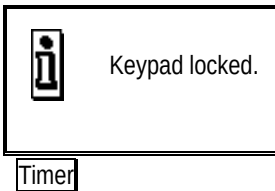
The user can lock the keypad by pressing the **Actions** key followed by a press on **#** key.



Idle screen:

The right softkey allows to lock the keypad and displays an open padlock and a key

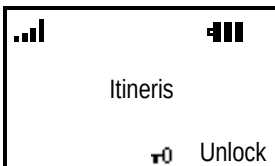
To lock the keypad



Information screen:

Display during 2 seconds

Exits the screen



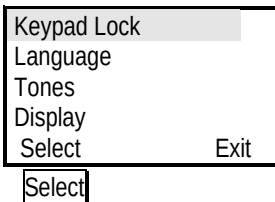
Idle screen:

The right softkey has been changed and a keypad lock icon is displayed.

The left softkey has no function attached.

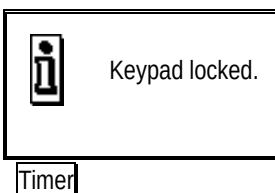
12.1.2 LOCKING THE KEYPAD FROM THE SETTINGS MENU

To lock the keypad, select the item from the “Settings” menu.



Settings Menu:

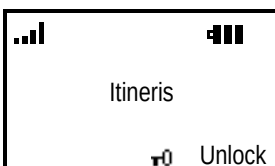
Validates keypad lock



Information screen:

Display during 2 seconds

Exits the screen



Idle screen:

The right softkey has been changed and a keypad lock icon is displayed.

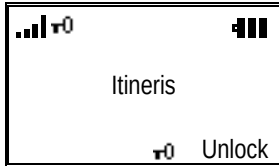
The left softkey has no function attached.

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.

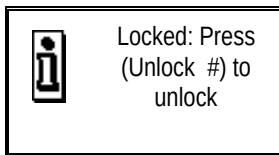
Each time a key is pressed, a backlight warning message is displayed:



"any key press"

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.



"Timer"

Information screen:

Display during 2 seconds

Exits the screen



Idle screen:

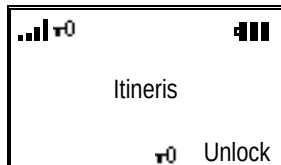
The right softkey has been changed and a keypad lock icon is displayed.
The left softkey has no function attached.

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:

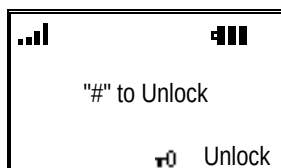


Idle screen:

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



To unlock the keypad

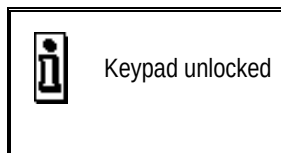


Idle screen:

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



To unlock the keypad



Information screen:

Display during 2 seconds

"Timer"

Exits the screen



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:

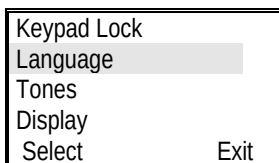
- ❑ English, French, Spanish

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:

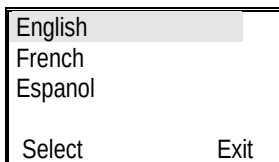
- ❑ Entering ***#0000#** select the home network language,
- ❑ Entering ***#0xxx#** selects the language for the country whose "xxx" is the phone international prefix (for example ***#0033#** selects French). If such a language is not available on the phone, the English language is selected by default.



Settings Menu:

Select

Selects Language

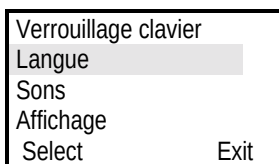


Language Menu:

The current language is pointed when entering in the menu

Select

Change to French and validation



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

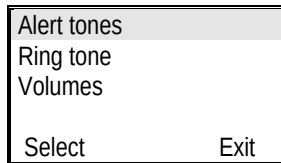
When the ring volume is set to Off, a warning display informs the user at this stage. In this conditions, the ring-off icon is displayed in Idle screen.

Select

Selects Ring



Information:

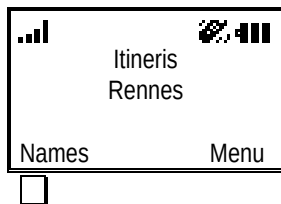


Settings/Tones Menu:

12.3.1.3 SELECTING THE ALERT TONES FROM THE IDLE SCREEN

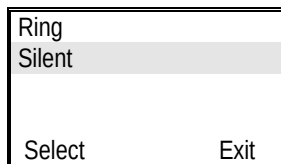
To select the alert tones, press  from the idle screen. The same procedure as above applies (Direct access to the alert tones menu)

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

**Idle screen:**

Normal state

The mobile is in vibrate mode

Selects Alert Tones short-cut**Tones Menu:**

Silent is the current Setting

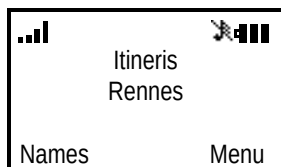
When the ring volume is set to Off, a warning display informs the user at this stage. In this conditions, the ring-off icon is displayed in Idle screen.



Selects Silent



Information:

**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:

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.

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.

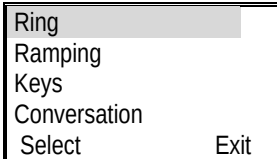
In "Vibrate only" alert tones, no sounds are played during volume tuning.

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

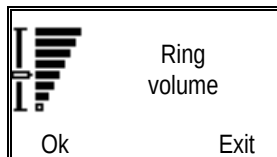
During the tuning, the ring volume is played (taking into account the master volume setting) except when in "Vibrate only" alert tones setting. 8 values from 0 to 7 are selectable.



Settings/Tones/Volume Menu:

Select

Selects Ring

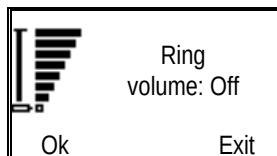


Ring volume control screen:

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).

☐ 3 times

☐ = new value confirmation, ☐ = no change in volume.
decreases the volume to 0



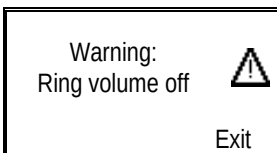
Ring volume control screen:

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.

☐

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.

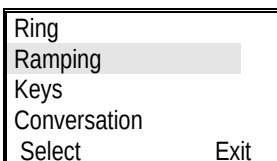


Warning screen:

Display during 2 seconds

"Timer"

Exits the screen



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 Ramping

Ramping:	
On	
Off	
Select	Exit

☐ Select
Ramping setting:

The current status is displayed as initial entry.

Press ☐ key or ☐ (☐)/ ☐ (☐) keys to change selection.

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 Display

Backlight
Contrast
Select
Exit

Settings/Display Menu:

Select

Selects Backlight

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

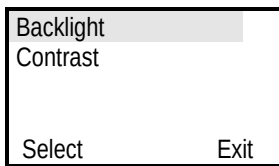
Settings/Display Menu:

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.

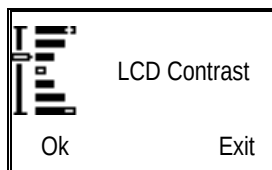
Note: The default factory value for contrast is "Medium".



Settings/Display Menu:



Selects Contrast



LCD Contrast control screen:

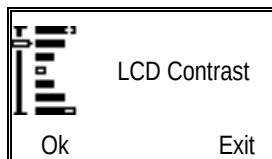
Use key or () / () keys to tune the LCD contrast (in a circular way).

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.



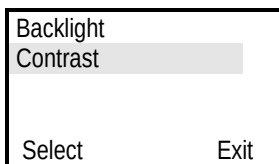
Increase the LCD contrast



LCD contrast control screen:



Leave the process



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
Auto features
Security
Time & date
Select Exit

Settings Menu:

Select

Selects Keys

Any Key Answer
Hotkey programming
Speed dialling
Select Exit

Settings/Keys Menu:

Select

Selects Any key answer

Any key answer:
On
Off 
Select Exit

Any key answer setting:

The current status is displayed as initial entry.

☐ Select

Change setting and validates

Any Key Answer
Hotkey programming
Speed dialling
Select Exit

Settings/Keys Menu:

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

Settings/Keys Menu:

Select

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

Speed dial list:

Second key is empty

Names = memories access

Exit = Exit to parent menu

Names

Access to memories to make an association

"memory consultation"

Memory consultation

Choosing a card

Choosing Vincent

Key 2	
Vincent	
Names	Exit

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.

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 Hotkey

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

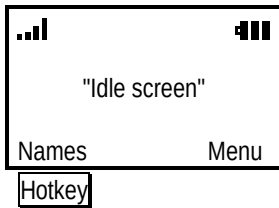
Any Key Answer	
Hotkey programming	
Speed dialling	
Select	Exit

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

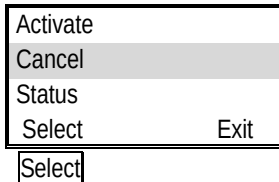


The screen shows signal strength bars at the top left and right. The text "Idle screen" is centered. At the bottom, there are two softkeys: "Names" and "Menu". Below "Names" is a softkey labeled "Hotkey".

Idle screen:

The softkeys are associated to Filter and keypad lock functions.

Access to the call divert function



The screen shows a list of options: "Activate", "Cancel", "Status", and "Select". "Cancel" is highlighted. At the bottom right is a softkey labeled "Exit". Below "Select" is a softkey labeled "Select".

CFU activation/deactivation menu:

The user can activate, cancel the CFU service.

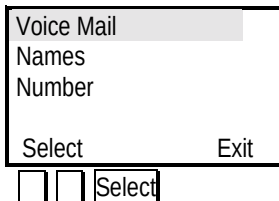
Exit exits the process

Select = item selection

Select Activate

Select

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).



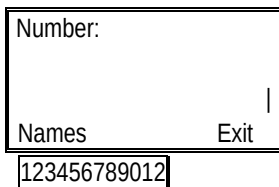
The screen shows a list of options: "Voice Mail", "Names", and "Number". "Voice Mail" is highlighted. At the bottom, there are two softkeys: "Select" and "Exit". Below "Select" are two small square icons and a softkey labeled "Select".

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



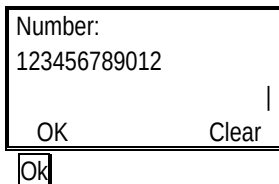
The screen shows a text field labeled "Number:" with the value "123456789012". At the bottom, there are two softkeys: "Names" and "Exit".

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

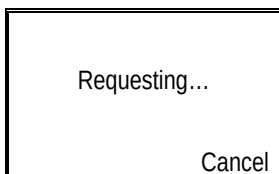


The screen shows a text field labeled "Number:" with the value "123456789012". At the bottom, there are two softkeys: "OK" and "Clear". Below "OK" is a softkey labeled "Ok".

Number entry

(This screen is skipped if a forwarded to number already exists.

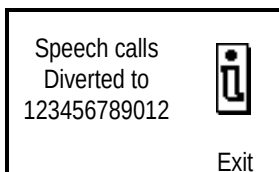
Entry validation. The number is saved in mobile non-volatile memory



The screen shows the text "Requesting..." in the center. At the bottom right is a softkey labeled "Cancel".

Transition screen

The function is being activated in the network



The screen shows the text "Speech calls Diverted to 123456789012" on the left. On the right is an information icon (a lowercase 'i' inside a square). At the bottom right is a softkey labeled "Exit".

Confirmation screen

The function is active in the network

Exit by **Exit** or a 2-second display

Exit

**Idle screen:**

The call diverting unconditional icon is shown indicating the active state of the filter

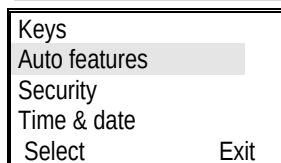
12.6 AUTO FEATURES SETTINGS

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.

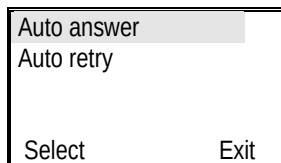
Note: The default factory value for Auto Answer is " Off ".



Settings Menu:

Select

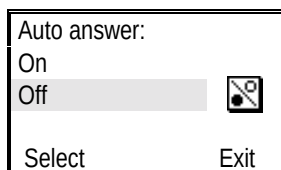
Selects Auto features



Settings/Auto features Menu:

Select

Selects Auto answer

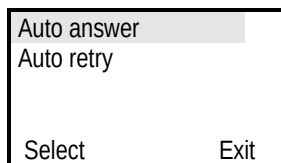


Auto answer setting:

The current status is displayed as initial entry.

☐ Select

Change setting and validates



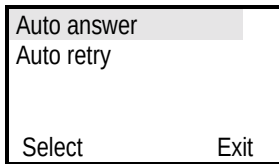
Settings/Auto features Menu:

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.

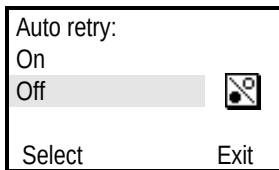
Note: The default factory value for Auto-retry is " Off ".



Settings/Auto features Menu:



Selects Auto retry

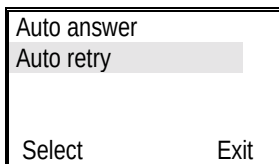


Auto retry setting:

The current status is displayed as initial entry.



Change setting and validates



Settings/Auto features Menu:

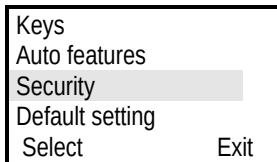
12.7 MANAGING THE SECURITY PARAMETERS

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.

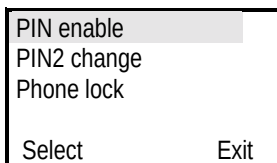


Keys
Auto features
Security
Default setting
Select Exit

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

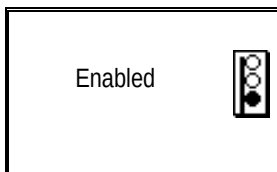


PIN:
****|
Ok Clear

PIN code entry:

Ok

PIN validation



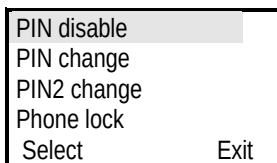
Enabled

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:
|
Exit

1234

PIN code entry:

Old PIN entry

Old PIN:
****|
Ok Clear

Ok

PIN code entry:

Old PIN entry

New PIN:
|
Exit

1111

PIN code entry:

New PIN entry

New PIN:
****|
Ok Clear

Ok

PIN code entry:

New PIN entry

New PIN again:
|
Exit

1111

PIN code entry:

New PIN entry

New PIN again:
****|
Ok Clear

Ok

PIN code entry:

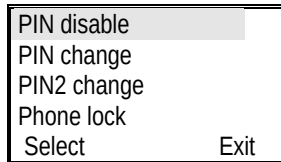
New PIN entry

**Result screen:**

The PIN is correct and enabled.

"Timer"

Exit the display



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).

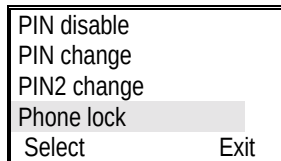
12.7.3 PHONE LOCK

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.

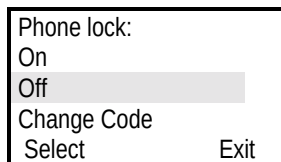
Note: The default factory value for Phone lock is " 0000" and the phone lock is disabled.



Settings/Security Menu:

Select

Selects Phone lock



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

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:

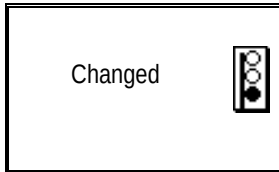
New lock code entry

New code again:
|
Exit

1111Ok

Lock code entry:

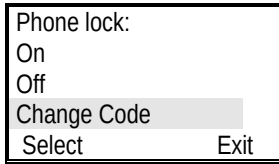
New lock code entry

**Result screen:**

The lock code has been successfully changed.

"Timer"

Exit the display

**Phone lock Menu:**

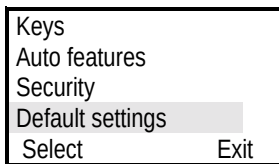
The current status of phone lock is pointed when entering the menu.

Now, the phone lock is On.

12.8 SETTING THE DEFAULT VALUES

This menu item allows to retrieve some factory default values used for the settings. The related settings are:

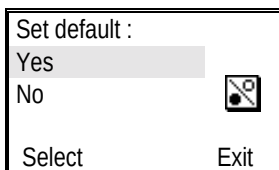
- The alert tones (Ring),
- The ring tones (Ring tone 1),
- The ring, key, speech, clock alarm and master volumes (medium values),
- The ramping mode (Disabled),
- The backlight and contrast (Medium values),
- The any key answer, auto-retry and auto-answer features (Disabled).
-



Settings Menu:

Select

Selects Set default item



Binary choice display

A binary choice screen is entered.

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

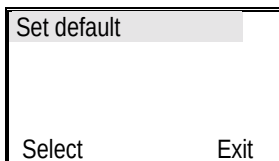
Press Select to select the current item.

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.

Selects Yes answer

Select



Settings Menu:

Select

Exit

13. USING THE OFFICE TOOLS

13.1 USING THE SCRATCHPAD

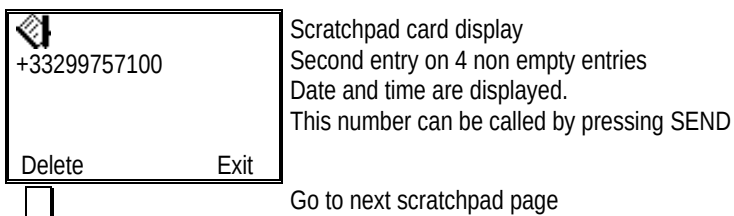
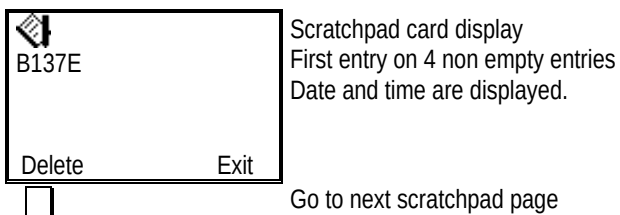
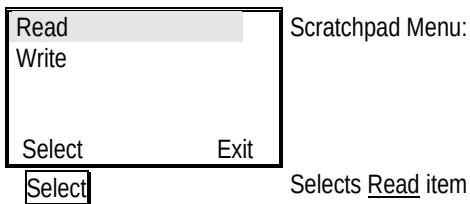
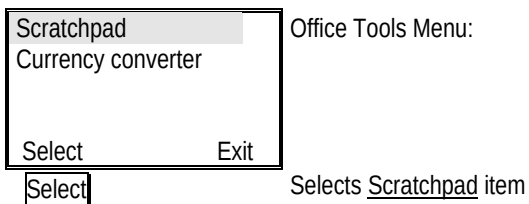
A scratchpad containing 20 entries of 16 bytes each is available. The scratchpad content is stored in non-volatile memory.

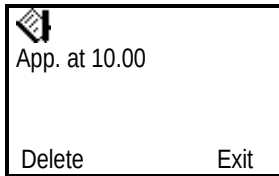
To read, write or delete one or all entries, select the “Scratchpad” item from the “Office Tools” menu.

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 card display
Third entry on 4 non empty entries
Date and time are displayed.



Go to next scratchpad page

13.1.2 SCRATCHPAD READ "ACTIONS" MENU

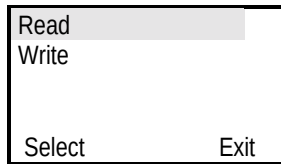
Item	Function
Modify	To modify a scratchpad text
Numbers	To call the phone number or store it in scratchpadries.
Delete all	To delete all scratchpad entries
Delete	To delete an entry

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

A rectangular screen with a black border. It contains four text elements: 'Read' at the top left, 'Write' below it, 'Select' at the bottom left, and 'Exit' at the bottom right. The 'Write' option is highlighted with a grey background.

Scratchpad Menu:

Select

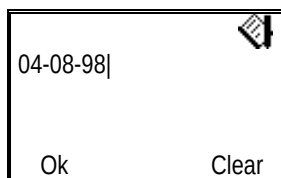
Selects Write item

A rectangular screen with a black border. It contains a cursor '|' on the left side and an 'Exit' button at the bottom right. A small icon of a notepad and pencil is in the top right corner.

Scratchpad text entry:
Alphanumeric editor

04-08-98

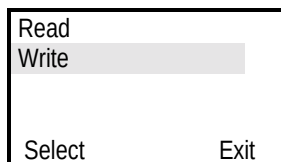
Text entry

A rectangular screen with a black border. It contains the text '04-08-98|' on the left and 'Ok' and 'Clear' buttons at the bottom. A small icon of a notepad and pencil is in the top right corner.

Scratchpad text entry:
Alphanumeric editor

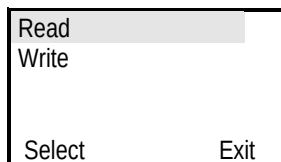
Ok

Validation

A rectangular screen with a black border. It contains four text elements: 'Read' at the top left, 'Write' below it, 'Select' at the bottom left, and 'Exit' at the bottom right. The 'Read' option is highlighted with a grey background.

Scratchpad Menu:

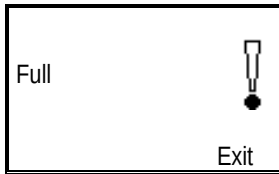
13.1.3.2 THE SCRATCHPAD IS FULL

A rectangular screen with a black border. It contains four text elements: 'Read' at the top left, 'Write' below it, 'Select' at the bottom left, and 'Exit' at the bottom right. The 'Write' option is highlighted with a grey background.

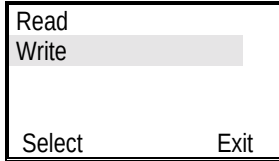
Scratchpad Menu:

Select

Selects New item



Warning if the scratchpad is full



Scratchpad Menu:

13.2 USING THE CURRENCY CONVERTER

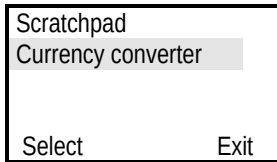
This Currency converter enables to convert amounts between Currencies.

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.

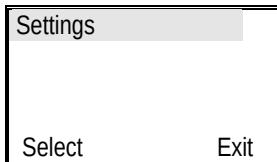
13.2.1 SETTING THE CONVERTER PARAMETERS

A screenshot of the 'Office Tools Menu' showing two options: 'Scratchpad' and 'Currency converter'. The 'Currency converter' option is highlighted with a grey background. At the bottom of the menu, there are two buttons: 'Select' and 'Exit'.

Office Tools Menu:

Select

Selects Currency converter item

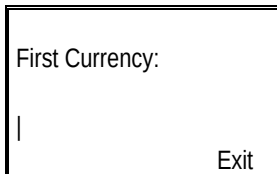
A screenshot of the 'Currency converter Menu' showing a single option: 'Settings'. The 'Settings' option is highlighted with a grey background. At the bottom of the menu, there are two buttons: 'Select' and 'Exit'.

Currency converter Menu:

Only the setting option is shown enforcing to initialise the tool before operations

Select

Selects Settings item

A screenshot of the 'Currency name entry' screen. It displays the text 'First Currency:' followed by a single character 'I' in a text input field. At the bottom right, there is an 'Exit' button.

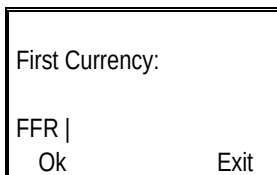
Currency name entry

The user is requested to enter the first Currency name.

The entry limit is fixed to 6 characters

FFR

Text entry

A screenshot of the 'Currency name entry' screen showing the text 'First Currency:' followed by 'FFR |' in the text input field. At the bottom, there are two buttons: 'Ok' and '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	Currency name entry The user is requested to enter the second Currency name The entry limit is fixed to 6 characters
Euro	Text entry

Second Currency: Euro Ok Exit	Currency name entry The user is requested to enter the second Currency name The entry limit is fixed to 6 characters
Euro	Validation

Exchange rate Euro = ...FFR: Exit	Exchange rate entry: Float number editor
6#55957	Rate entry

Exchange rate Euro = ...FFR: 6..55957 Ok Clear	Exchange rate entry:
OK	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 Currency converter item

FFR > Euro	
Euro > FFR	
Settings	
Select	Exit

Currency converter Menu:

Select

Selects From Euro 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		

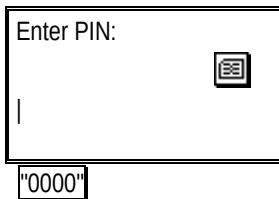
14.8 OFFICE TOOLS MENU

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

15. ANNEX B: PASSWORD PROCEDURES

15.1 PIN ENTRY PROCESSING

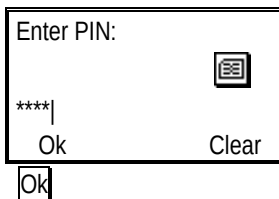
The same behaviour applies for PIN and PIN2 codes. The difference is that the PIN2 code is a protection code for some specific SIM functions that will be blocked in case of PUK2 code blocked state. The PIN blocked state requires the PUK code entry. If the PUK code itself is blocked, the SIM card is definitively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



PIN entry screen:

1st attempt

PIN entry



PIN entry screen:

1st attempt

Press **#** or **OK** softkey to validate the PIN

Press **Clear** softkey to erase the last character

Long Press **Clear** softkey to erase whole entry

PIN validation



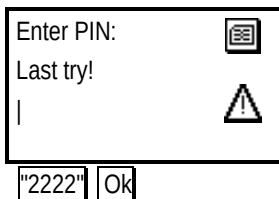
Error screen:

3 seconds display

Exits by any softkey

"Timer"

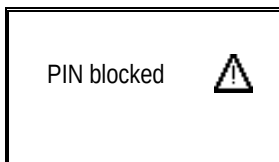
Same sequence 1 time. After that:



PIN entry screen:

3rd and last attempt

PIN entry and validation



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	def3ée	DEF3É
4	ghi4	GHI4
5	jkl5	JKL5
6	mno6	MNO6
7	pqrs7	PQRS7
8	tuv8üü	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