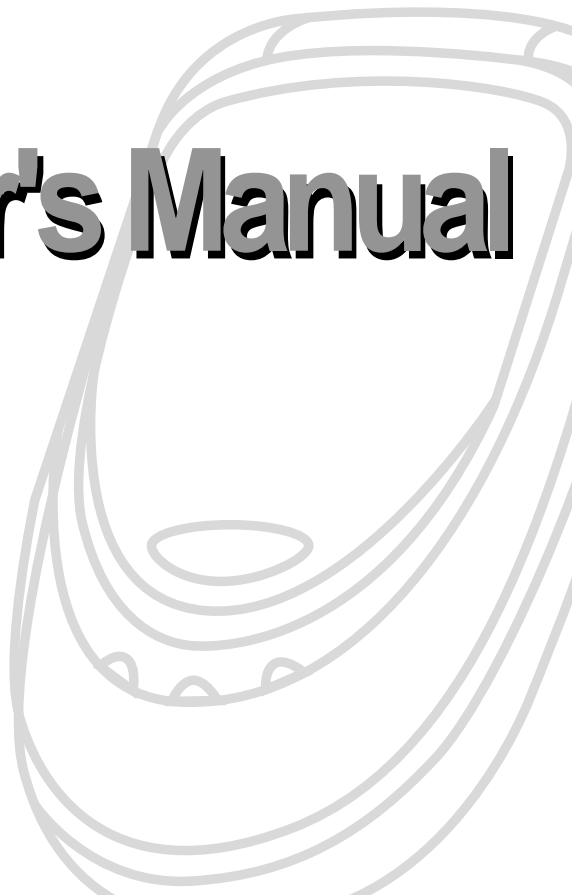


Owner's Manual



Menus



Phonebook

Phonebook Menu



Messages



Compose



Inbox



Drafts



Options



Memory



WAP



Games

MegaBox Conquest



Sounds



Ring tones



Vibrate



Silent mode



Beeps



Background



Colours



Wallpapers



Screensavers



Greeting msg



Settings



Date / time



My objects



Languages



Networks



Contrast



Energy saving



Shortcuts



Active flip



Calls



Calls forwarded



View last calls



Counters



Display numbers



Call waiting



Auto redial



Answer phone number



Local info



Security



Keypad locking



PIN number



PIN number 2



Phone code



Confidentiality



Operator



Call barring



Fixed dialling



Accessories



Calculator



Converter



Alarm



Timer



Data



Services

Contents

Page 1	MENUS
Page 5	YOUR PHONE PACKAGE - ACCESSORIES
Page 6	DESCRIPTION Programmable and shortcut keys
Page 7	PRINCIPLES OF NAVIGATION
Page 8	HOME PAGE
Page 9 to 11	ACTIVATING YOUR TELEPHONE Information on SIM card Installing the SIM card and battery Charging the battery
Page 12 to 17	MY MOBILE IN 5 MINUTES How to get going PIN number Setting date and time Network First call - receiving a call Switching off Setting ring tone
Page 18 to 22	PHONEBOOK Using the phonebook Phonebook menu Call groups
Page 23 to 29	MESSAGES Composing messages Using Mode T9 Inbox Drafts Sending options Memory

Contents

Page 30 to 34

WAP

WAP Menus
Configuring parameters
Logging on
Downloading objects
Logging off
GPRS

Page 35

GAMES

MegaBox Conquest
Downloaded games

Page 36 to 37

SOUNDS

Ring tones
Vibrate
Silent mode
Beeps

Page 38 to 39

BACKGROUND

Colours
Wallpapers
Screensavers
Greeting msg

Page 40 to 43

SETTINGS

Date and time
My objects
Languages
Networks
Contrast
Energy saving
Shortcuts
Active flip

Contents

Page 44 to 48

CALLS

Calls forwarded
View last calls
Counters
Display numbers
Call waiting
Automatic redial
Answer phone number
Local info

Page 49 to 52

SECURITY

Keypad locking
PIN number
PIN number 2
Phone code
Confidentiality
Operator code
Call barring
Fixed dialling

Page 53 to 56

ACCESSORIES

Calculator
Converter
Alarm
Timer
Data

Page 57

SERVICES

Page 58 to 62

TROUBLESHOOTING

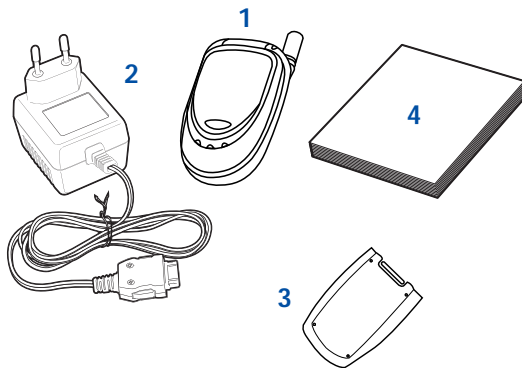
Page 63 to 65

INDEX

Your phone package - Accessories

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

- 1 - Telephone
- 2 - Travel Adapter
- 3 - Battery
- 4 - Owner's Manual



Accessories

You can also find (as an option) or order the following accessories:

Extra battery

Extra Adapter (*)

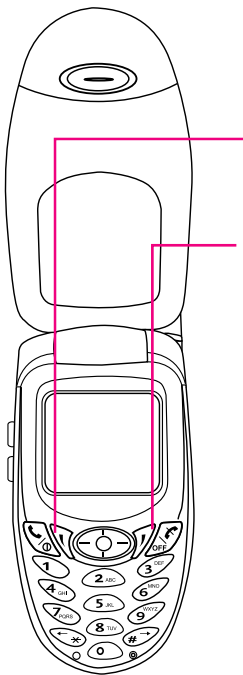
Cable to connect your Jms-110 to a serial port

CD driver (PC or Mac) to synchronise your telephone with your PC

Hands-free kit

Description

Programmable keys and Shortcut keys



End key:
Hold down: Stop
Press briefly:

In a call context: Rejects a call - hung up
In menus: Return to home page.



Send key: Press briefly: Starts phone
In call context: Call - reception of a call - hands-free mode



Left programmable key:
In home page: Access to certain functions (shortcuts)
In menus: Cancel (or return) as indicated on screen
During call: Reduces volume



Right programmable key:
In home page: Access to certain functions (shortcuts)
In menus: Accept, choose as shown on screen
During call: Increases volume



Top key: Previous choice / top



Down key: Down choice / down



Left key: : Up input field / move left



Right key: Down input field / move right



Side key up : Increase value



Side key down: Reduce value

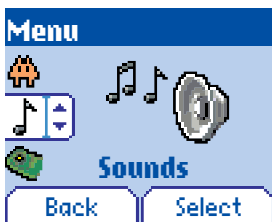


*** Key :**
Hold down: *In home page:* Silent mode
Press briefly + OK (right programmable key) activates or deactivates keypad locking
In call reception mode: Short press stops ring tone
In ring tone setting mode: Activates/deactivates ring tone



Key: Zoom mode (see message and WAP menus)

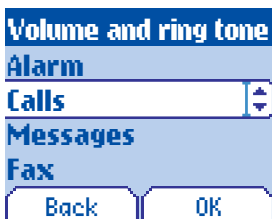
Principles of navigation



1st level



2nd level



3rd level

These basic principles bring a great deal of intuitiveness to your telephone

All the active areas on a white background (icon selector, programmable keys, menu selector, choice list)

Accept by pressing the **right programmable key** 
Cancel by pressing the **left programmable key** 

The tabs on the sides at the down of the screen refer to the **Programmable keys** (and not to the left/right keys)

In the menus a title bar indicates the down higher level.

The **down / top**   navigation keys are used to navigate from one menu to the down within the same menu structure.

The **right programmable key**  is used to go from a menu to a sub-menu.

The **left programmable key**  is used to go from a sub-menu to a menu.

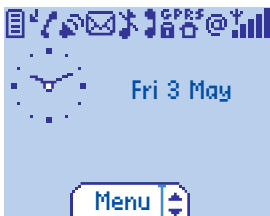
The first menu level can be identified by a large animated icon in the centre of the screen.

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

The lowest sub-menus are lists.

The **End** key (press briefly) is used to return to the home page (current function is abandoned).

Home page



The home page contains the following

1 - The title bar icons:

	Battery
	Calls forwarded
	Call (establishing the call)
	Call (hands free)
	SMS (reception of an SMS, full SMS)
	FAX
	DATA
	Silent mode
	Message in answer phonebox
	WAP (@)
	GPRS
	Home zone
	HPLMN / roaming
	Keypad locking + WTLS (exclusive functions)
	Protected WAP logon
	Protected WAP logon icon with certificate
	Signal strength level (5 bars).

2 - **Date and time**, in digital or analogue mode

3 - **Network name**

4 - **Tab centred on down line:**

the main "menu" tab shows that the menu can be accessed via the **down / up** keys.

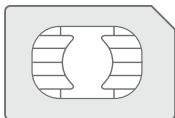
The following information may also be displayed:

"1 message received"; or "1 call".

*They can be deleted by pressing **End** key briefly.*

Activating your telephone

Information on the SIM card



To use your telephone, you have a smart card called a SIM card. It contains all the information needed by the network as well as other information unique to you and that you can modify:

Secret codes (PIN(s): Personal Identification Numbers), these codes allow you to restrict access to your SIM card.

Phonebook,

Messages,

How special services work.

Your telephone is compatible with the different SIM cards offered by operators.

It is also compatible with the SIM/WIM cards (cards containing the WIM module in addition (WIM = Wireless Identity Module) that is used for secure WAP communications.

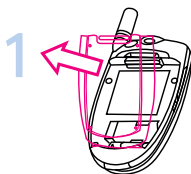
ATTENTION

1.This card must be handled and stored with care to avoid damaging it by scraping or bending it. If you should lose your SIM card, contact your operator or your SMC (Services Marketing Company) immediately. Comment: do not leave your SIM card within the reach of young children.

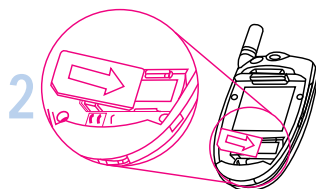
2.The Phone will operate under 3V sim card only

Activating your telephone

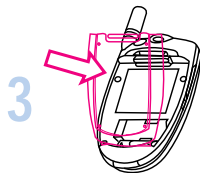
Installing the SIM card and installing the battery



The SIM card is inserted under the telephone's battery. Ensure that the telephone is switched off and the charger disconnected.

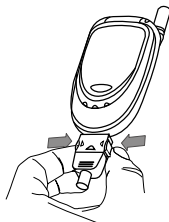


- 1 Take out battery if already installed.
- 2 Slide card fully under retaining plate with gold-plated contacts facing telephone and bevelled corner pointing as shown on drawing on telephone.
- 3 Insert battery into position by first positioning top section with connectors.



Activating your telephone

Charging the battery



Your telephone is powered by a rechargeable battery. A new battery must be charged for 4 hours at least before being used for the first time. It reaches its optimum capacity after a few cycles of use.

When your battery has been discharged, the telephone displays the state (empty battery icon flashes). In this case recharge your battery for at least 15 minutes before making any more calls so as to avoid being cut off mid-call.

To recharge the battery:

Connect the charger to a mains socket.

Plug the end of the cable into the connector at the base of the telephone.

The telephone starts to charge up, the battery charging light flashes to indicate charging. Charging stops by itself. Disconnect the cable.

It is possible that the battery may heat up slightly during charging; this phenomenon is normal.

ATTENTION

There is danger of explosion if the battery is replaced incorrectly or if it is exposed to fire.

Do not short circuit it.

The battery does not have any part that you can change.

Do not try to open the battery casing.

Use only the appropriate chargers and batteries shown in the manufacturer's catalogue.

Used batteries must be disposed of in the appropriate places.

It is advisable to remove the battery if your telephone is not used for extended periods.

My mobile in 5 minutes

Getting started

You are now ready to use your mobile for the first time.

Switch on the telephone by pressing the **Send** key. A short display appears.

PIN Number

This is your SIM's secret code.



If access to the SIM card is protected, the device prompts you to enter the PIN number:

Enter the code between 4 and 8 digits given to you when the SIM card was issued. These digits do not appear on the screen for security reasons.

Press the **right programmable key**  to accept.

If your mobile indicates that the SIM is missing, press the **End** key to switch off your telephone and check that the SIM card is correctly installed.

Attention

If a wrong PIN number is entered three times in succession, your SIM card is blocked. You must then:

- Enter "***05*"
- Enter the PUK (Personal Unblocking Key) code provided by your operator, and accept.
- Enter your PIN number and accept.
- Enter your PIN number again and accept.

After 5 or 10 failed attempts (depending on the type of SIM card), the SIM card is definitely locked. You must then contact your operator or your SMC to obtain a new card.

My mobile in 5 minutes

Setting time and date

When you use your mobile for the first time, you need to set the date and time.

In due course, when the battery is completely discharged, or if it has been removed, you will be prompted systematically to confirm date and time.

Time and date

Date valid?

Friday



03 May 2002


Cancel

OK

Setting the date:

Set the date by entering it directly in numerical form or by using the **down / up**   keys to increase or decrease the default values.

Use the **right key**  (or left key ) to access the next (or last) data input field.

Once the date is correct, press the **right programmable key**  to accept.

Setting the time: Same procedure as for setting the time.

Network



From now on the telephone hunts for a network on which it can make calls. If it finds one, it displays the name of the network on the screen. You are then ready to send or receive a call.

If the network icon appears, calls are possible on your operator's network.

If the letter R and a network name are displayed, calls are possible on the network of a different operator.

If the letter R is displayed without any network name, only the emergency services are accessible (ambulance, police, fire brigade).

If the network icon flashes, the telephone is in permanent search mode. There is no network available. The signal strength indicator received allows you to display the quality of reception. If it indicates less than three bars, search for better reception in order to call in good conditions.

My mobile in 5 minutes



First call



Dial the number of your correspondent.
Press the **Send** key.

During the call, the call in progress icon flashes on screen and tones may indicate the establishment of the call.

Once communication has been established, the call icon stops flashing.

You can adjust the sound level (volume) using the **left** and **right programmable**   keys.

At the end of the conversation press the **End** key to hang up.

International call

Press 0 (hold down) to display "+", then dial the country code without waiting for the dial tone, then the number of the called party.

Emergency services

Depending on the operators you can obtain the emergency service with or without SIM card or when the keypad is locked. It is enough to be in an area served by a network.

To obtain the international emergency service, dial **112** then press the **Send** key.

My mobile in 5 minutes

Receiving a call



When you receive a call, the number of your correspondent is displayed when it is presented by the network.

Press the **Send** key or the **right programmable key**  to answer, and speak.

To refuse the call, press the **End** key or the **left programmable key** .

To stop the ring tone or the vibrate, without refusing the call, press the **Ⓢ** key.

ATTENTION:

Pressing the Start key a second time launches hands-free mode, in this mode do not bring the mobile up to your ear.

All the numbers corresponding to incoming and outgoing calls are logged in the list of recent calls.

Switching off

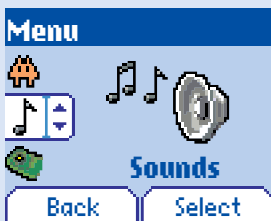
Press the **End** key for one second.
The end message is displayed. The telephone switches off.

First setting: Ring tone




We want to familiarise you with the interface of your new mobile, using a simple setting: choosing a ring tone and adjusting the volume.

Volume and ring tone *This menu allows you to allocate a ring tone to each type of event.*



In the **home** page, press the **down**  key to access the main menus.

The first menu offered is **Phonebook**. Press the **down**  key four times to access the **Sounds** menu.

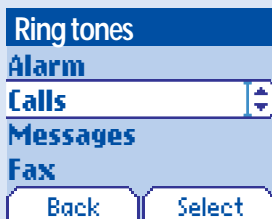
Enter this menu by pressing the **right programmable key** .





You can access the **second level** of the menu that contains four sub-menus: Ring tones, Vibrate, Silent mode, Beeps.

The first sub-menu offered is **Ring tones**.

Enter by pressing the **right programmable key** .




With the help of the **down / up**   keys select the type of function where you want to change the ring tone from the proposed list (Alarm, Calls, Messages and Fax) and accept.

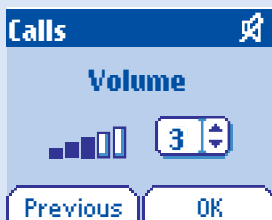
Enter by pressing the **right programmable key** .



Using the **down / up**   keys select the ring tone from the list offered.

Enter by pressing the **right programmable key** .

*For every new selection, you will hear the corresponding ring. If required, press the **Silent mode key**  to cancel the sound.*



Adjust the volume using the **down / up**   keys.

The volume is adjusted over a scale of 1 to 4.
The ring tone is played at the chosen level whenever a change is made.

You can select **"+" volume** to choose a ring that starts quietly and rises to a crescendo.

Accept by pressing the **right programmable key** .

Phonebook



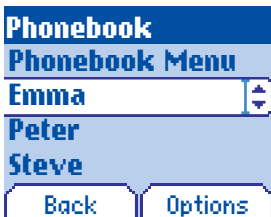
The list of numbers in the phonebook of the SIM card varies in relation to the capacity of the card: the supplier company will tell you what this is.

The phonebook allows you to store numbers that you call regularly. These numbers can be stored in the SIM card or in the telephone.

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

-  Your SIM card phonebook
-  Your telephone phonebook
-  Your SIM card's fixed dialing.

Using the phonebook



In the home page press the **down**  key to access the main menus. The first menu offered is **phonebook**.

Press the **right programmable key**  corresponding to the accept tab to enter the menu.

The list of your correspondents appears, by default, the cursor is positioned on the first name in alphabetical order.

If you are using your telephone and SIM card for the first time, the phonebook list will be empty, only the **Phonebook Menu** function will be available.

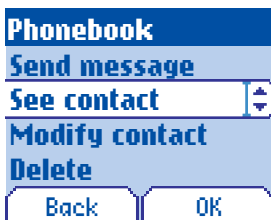
Select a contact from the list using the **down / up**   keys. Then press the **right programmable key** .

Phonebook



*You can also enter a letter to access directly the first contact starting with this letter
If you know the memory number of this contact on the SIM card (say 21 for example), you can enter 21* directly.*

Choose from the options offered:



See contact

The first menu offered is **See contact**. **Enter**.

The detail of the store appears (location, call group, name, number).

Modify contact

Modify contact. **Enter**. Using the **down**  key.

Modify name if required, and **Accept**.

Modify number if required, and **Accept**.

Modify call group if required, and **Accept**.


Delete

Select **Delete**. **Enter**.

Confirm deletion of entry with **Yes**.



Call

Select **Call**. Press the **right programmable key**  to start the call.

*You can also select the party to be called from the phonebook, and press the **Send** key to make the call.*

Send message

Select **Send message**. **Accept**.

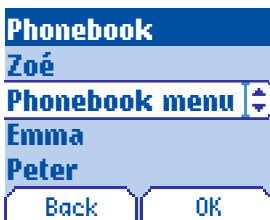
Text editor opens automatically.

Phonebook



The **phonebook** menu allows you to create new contacts, to create call groups and to check the memory available to store new contacts.

Phonebook menu



In the **Phonebook** screen, press the **right programmable key** to enter the menu.

Press the **up** key to position the cursor on the **Phonebook menu** and **accept**.

Choose from the options offered (add contact, call group, memory, my numbers).

Add contact

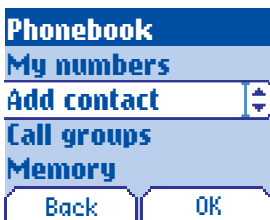
Select **Add contact** and accept and press the **right programmable key** to enter the menu.

Choose the place where you wish to enter the contact (SIM card or telephone) using the **down / up** keys, and **accept**.

Enter name of your correspondent and **accept**.

Enter telephone number and **accept**.

Choose a **call group** to which you want to allocate this contact and **accept**.
(See page 22: call groups)



Phonebook



Phonebook menu

Phonebook

Memory

60/80

300/300

Back

Call groups
(See page 22)

Memory

Select **memory** and **accept**.

The screen displays the number of free locations on SIM card and in telephone itself.

My numbers

You can create the entries corresponding to your own numbers in order to consult them when necessary.

Select **My numbers** and **accept**.

Enter the different details and **accept**.

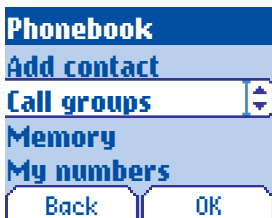
Phonebook



You have the facility to group your contacts into call groups. It is possible to allocate characteristics to each group (icon, ring tone, vibrate).

Call groups

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



Creating new groups:

Do same as above to obtain the **phonebook menu** and **accept**.

Press **down**  key to position the cursor on **Call groups** and **enter**.

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

Choose one of the options offered (Create group or memory available).



Creating a group

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

Enter group name and **accept**.

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

Memory

Select **memory** and **OK**.

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

Messages



The message menu brings together the following two types of messages: SMS and EMS (an EMS is an extended message, longer than an SMS with images and sounds added). It is possible to exchange different types of contents: text, call group icons, screen backgrounds, tunes, WAP bookmarks.


Compose messages

This menu allows you to compose your messages.



From the **Messages** menu select the **Compose** menu and enter.

By default, the language used is the language activated in the telephone's menu display (or English if a language not supported by Easy Message T9™ has been chosen for the menus).

When the text has been entered, the **right programmable key**  (**choice**) can also be used to access the functions offered:

This menu has been compiled in collaboration with



Send is used to send the message by entering the correspondent's number.

T9 options (see next page)

ABC mode (see page 25)

123 mode (see page 25)

Cancel is used to delete all text entered

Activate/deactivate zoom is used to modify size of characters

Store is used to save a draft in **memory**

Formatting is used to enrich a text

Insert to insert an image or sound into your message (see page 25).

Messages





The Easy Message T9™ helps you to conveniently enter your short messages.



Using T9 Mode

Press once the key corresponding to the letter chosen and make the word by continuing to press the keys corresponding to the various letters without paying attention to the display, until you have finished inputting the word: it then appears in inverse video.

If the word offered is what you wanted to enter, press the **0** key to accept it, create a space and move to the down word.

However, it is possible that several words exist in the corresponding dictionary for the same sequence of keys pressed. If the word that appears is not the word you expected, press the **right programmable key**  indicating  to scroll through the words held in the dictionary corresponding to this key sequence.

When you find the chosen word, press the **0** key to accept it, create a space and move on to the down word.

Press the **right key** to simply accept the characters entered without creating a space and moving on to another **T9** word.

If the word you want does not appear in the dictionary, several additional input modes can be used to display it.



Messages




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

When composing a message:

The navigation keys assume the following functions:

- **Left key**  :

Last word

- **Right key**  :

Next word

- **Up key**  :

Last line

- **Down key**  :

Next line

- **Left programmable key**



Deletes last letter

- **Right programmable key**



Message options

- **Hold down *l#* key:**

Zoom mode (changes size of characters)

- **Short press of *l#* key:**

Access to symbol table

Input modes

The **ABC mode** is used to enter words that do not exist in the dictionary. To obtain a letter, press the corresponding key several times, the letters and the number scroll past.

Mode 123 is used to insert numbers.

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

Upper case:

A quick touch of the ***l#* key** will display the next letter in upper case.

Two short presses on the ***l#* key** allow you to switch to upper case editing mode for the whole message.

Punctuation characters

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

Accented characters

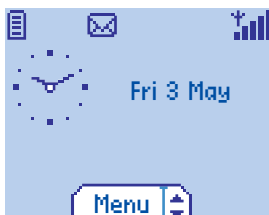
Accented characters are generated automatically in T9™ mode. In ABC mode accented characters are available by pressing the key supporting the non-accented character in succession.

Messages



The number of messages stored in the SIM card varies depending on the card's capacity.

Receiving messages





When you receive a message, an audio signal sounds (the one selected in the **Sounds** menu) and the message icon appears on your telephone screen.

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

Receiving icons, backgrounds or tunes can take several seconds. Messages inform you of the progress of the download.

You have the facility to do the following at any time:

- To mask this progress screen by pressing the **left programmable key**  to make a call or access other telephone information.
- Or stop the download in progress by pressing the **right programmable key** .

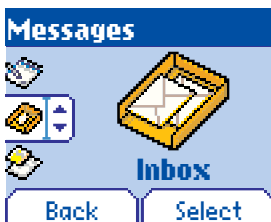
Consult your operator on the downloading of icons, backgrounds or tunes.

Messages



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

Inbox




From the **Messages** menu choose the **Inbox** menu and **Select**.

Each message contains information on type of message (in the form of an icon) and time (or date) of reception. Unread messages are entered in bold and arranged by arrival time and date.

Select a message and press the **right programmable key** .

Choose from the options offered (Read, Forward, Delete read, reply, reply with original message, call, send, delete, delete all).

If your message contains objects (images or sounds), you can save them in order to use them later (stored in your telephone's memory); when reading text, place the cursor on the object and choose the Save option from the options on the **right programmable key** .

When they have been stored in memory, the space required in the telephone is then indicated.

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

Messages




Drafts

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



From the **Messages** menu choose the **Drafts** menu and **Select**.

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

Choose from the options offered (Read, Send, Delete, Delete all, Modify).

Sending options

Several sending options are offered.



From the **Messages** menu choose the **Send Options** and **Select**.

From the send options offered (acknowledgement, reply given, period of validity - *life cycle of message on network before being routed* - , message format, message centre num).

Messages



Memory

You may know the memory available for saving messages.



From the **Messages** menu select the **Memory** option and **Select**.

The screen shows you the memory available on the SIM card and in the telephone.

WAP



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

The WAP Menus

The WAP navigator is under licence:



RSA Data Security



The WAP navigator is the exclusive property of Openwave. For this reason, it is forbidden to modify, translate, disassemble or even decompile all or part of the software that makes up the navigator.

The **Services menu**, a dropdown menu, can be accessed at all times when navigating through WAP pages.



Select the top left icon using the **up**  key.

Consult the menu using the **right programmable key**.
The **Services menu** contains all the following sub-menus:

Welcome: logs onto the home page.
(carries the name of your access provider)

Bookmarks: is used to save in a phonebook the names and addresses of Internet sites to facilitate easy access.
You can receive bookmarks from SMS and add them to this list (see chapter on SMS).
You can also send messages by SMS: select a bookmark, press the **right programmable key (Choice)**, then select **Send by SMS**.

Go to URL: this menu allows you to input an Internet address directly.

hbox: this menu allows you consult messages sent by the Internet site.

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

WAP



Save image: is used to save a WAP site image (option).

Reload: refreshes the current page.

Reset cache: clears the stored information on previous logons.

Advanced.... offers the following advanced settings

- Settings
- Show URL
- Disconnect
- Circuit Prompt (if user can confirm each logon)
- Security (is used to access information on making WAP connections secure).

About.... information on the browser.

Exit: returns to the telephone's home page.

Configuring WAP parameters

Select the **Advanced...** menu, then the **settings** menu.
Choose from the sub-menus offered:

Connection setting is used to select or modify your access provider's logon parameters or configure the parameters of other access providers.

The active access service is preceded with a start.

WAP



Configuration of WAP and GPRS parameters:

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

- Choose desired access service, then press **Choice**.
- Enter title of service and accept.
- Enter Internet address of home page and accept.
- Enter parameters of preferred logon:

GPRS otherwise GSM (by default): the logon to WAP services uses the GPRS as a priority. However, in the event of unavailability of the GPRS network, the GSM network is used to establish the link.

GPRS: the logon to WAP services uses the GPRS network exclusively.

GSM: the logon to WAP services uses the GSM network exclusively.

The **GSM parameters** to be entered are:


- Login
- Password
- IP address
- Port type (secure or insecure)
- Call number
- Mode (digital, analogue or automatic)

In automatic mode access can be gained to the operator's network by a digital link and by an analogue link to a different network (in roaming).

WAP



The **GPRS parameters** to be entered are:

- Login
- Password
- IP address
- Port type (secure or insecure)
- APN: if no APN has been defined, press the **right programmable key**  (**Choice**) then the APN menu. Select or add and APN.


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

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

FastW@p (depending on model) is used for faster access to Internet site pages.

Selecting FastW@P in GPRS may impact on the charges depending on the charging policy used by the operator.

WAP Logging on

Using the **Welcome** menu, you can log onto your access provider's WAP site by pressing the **right programmable key** .

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

If you are logging onto the GSM network, the @ symbol flashes, the metering of the cost of the call starts as soon as it stops flashing.

WAP



Downloading objects

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

WAP Logging off

To log off press **End** key.

The logoff happens automatically after a few seconds of inactivity if you forget to log off.

This period is defined by the inactivity time setting.

GPRS

A flashing display indicates that the telephone is logging onto a GPRS network.

A non-flashing display indicates that the telephone is logged onto the GPRS network.

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

Games



Your telephone is supplied with one game at least: MegaBox Conquest. Alternately, you can also download new games depending on your subscription.



MegaBox Conquest



MegaBox Conquest is a territorial conquest game.



From the **Games** menu select the **MegaBox Conquest** menu and **OK**.

Principle of the game: win on enemy territory by guiding the little white square.

Use keys **2, 4, 6, 8** to move and **5** to stop.

Use the **right programmable key**  to pause and the **left programmable key**  to exit.

The enemy must not touch you or your route.

Sounds



This menu allows you to customise the ring tones on your telephone and to activate beep and vibrate modes.

Volume and ring tone

This menu allows you to allocate a ring tone to each type of event.



From the **Sounds** menu choose **Ring tone** menu and **Select**.

Select the type of event from the list offered (Alarm, Calls, Messages and Fax) and **accept**.

Select the **ring tone** from the list offered and **accept**.

Adjust the **volume** using the **down / up** keys and **accept**.

*You can deactivate the sound by pressing the **ⓧ** key.*

Vibrate

This menu allows you to activate the vibrate mode for calls.



From the **Sounds** menu choose the **Vibrate** menu and **Select**.

Select the vibrate mode from the choices offered (Vibrate and ring tone, only vibrate, inactive vibrate or vibrate plus ring tone)

Sounds



Attention: vibrate mode is not a priority in relation to the choice of ring tones in the call groups. To make vibrate mode apply in general, switch to Silent mode.

Silent mode

This menu allows you to switch to Silent mode.



From the **Sounds** menu select **Silent mode** and **Select**.

Activate or **deactivate** Silent mode and **accept**.

Silent mode can also be accessed via the home page by holding down the **Ⓜ** key.

When the device is in silent mode, the relevant icon appears on the home page.

In this mode the ring tone will not function, except for the alarm clock.

Beeps

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



From the Sounds menu choose the **Beeps** menu and **Select**.

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

In the case of key beeps, you can also choose from the two types of beeps offered: key beeps or Dtmf tone (different beep depending on the key pressed).

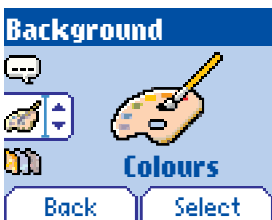
Background



This menu allows you to customise your screen by choosing the colour, background image, animation or greeting message.

Colours

This menu allows you to display the colours you want on your mobile.



From the **Background** menu select the **Colours** menu and **Select**.

Select the colour you want to see during navigation from the menus and **accept**.

Wallpapers

This menu allows you to display the background image you want on your mobile.



From the **Background** menu select the **Wallpapers** menu and **Select**.

Select the Wallpaper and **Select (right programmable key ↗)**. The image appears in the background of the home page.

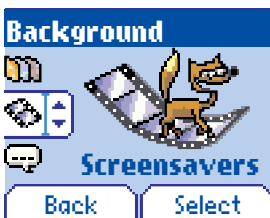
Press the **right programmable key ↗** to select this choice, or the **left programmable key ↖** to return to choice.

Background



Screensavers

This menu allows you to display an animation when the telephone is in standby mode.



From the **Background** menu select the **Screensavers** menu and **Select**.

Select a screensaver from the options offered and **accept**.

The chosen screensaver appears on the screen, **accept** it.

Adjust the screensaver display time (greater than 60 seconds) and **accept**. The screensaver appears at the end of each period of inactivity.

Greeting msg

This menu allows you to customise your greeting message.



From the **Background** menu select the **Welcome text** menu and **Select**.

Enter the text that you want to see appear in the greeting message (when you switch on) and **accept**.

Settings



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

Date / Time

This menu allows you to set the date and time of your telephone.



From the **Settings** menu select the **Date / Time** menu and **Select**.

Date: set the date by entering it directly in digital form or by using the **down / up** (or left / right) keys. Use the **right key** (or left key) to access the next (or last) input field. Once the date is correct, **accept** it.

Time: same procedure as for setting the time.

My Objects

This menu allows you to find out how much memory is available for objects.



From the **Settings** menu select the **My objects** menu and **Select**.

The amount of memory available is displayed. This memory is divided between your downloaded ring tones, wallpapers and screensavers.

You can delete your objects to increase the memory available for new downloads.

Settings



Languages

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



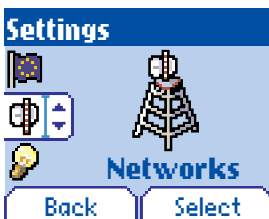
From the **Settings** menu select the **Languages** menu and **Select**.

Select the language of your choice and **accept**.

If you select **Automatic**, the display language will be the language of your SIM card.

Networks

This menu allows you to configure network preferences.



From the **Settings** menu select the **Networks** menu and **Select**.

Choose **Preferred** to view all the pre-registered networks.

Choose **Selection** to activate (automatically or manually) one of the networks accessible in the area in which you are located.

Settings





Contrast

This menu is used to adjust screen contrast.



From the **Settings** menu select the **Contrast** menu and **Select**.

A test screen allows you to adjust the contrast by means of the **down / up**   keys and **enter**.

Energy saving

This function is used to deactivate the screen backlight.



From the **Settings** menu select the **Energy saving** menu and **Select**.

Activate or **deactivate** the backlight and **accept**.

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

Attention: display legibility is reduced.

Settings



Shortcuts



From the **Settings** menu select the **Shortcuts** menu and **Select**.

Select the key that you wish to modify and **accept**.

Choose the function that you want to allocate to this key and **accept**.

Active flip



From the **Settings** menu select the **Active flip** menu and **Select**.



Select the key that you wish to modify and **accept**.

Choose the function that you want to allocate to this key and **accept**.

Calls



The Calls menu allows you to manage and consult all your telephone's incoming and outgoing calls that are marked as follows:

-  Incoming call
-  Outgoing call

Forward calls

This menu allows you to transfer calls addressed to you.



Depending on your subscription, this service allows you to re-direct incoming calls to a different number or answer phonebox.

From the **Calls** menu select the **Calls Forwarded** menu and **Select**.

Choose the type of forwarding you want from the options available.

Calls



*Fast access to the list of calls from the home page: press the **Send** key.*

View last calls

This menu allows you to access the list of last numbers used.



From the **Calls** menu select the **View last calls** menu and **Select**.

Each call contains information on type of call (in the form of an icon), time (or date) and duration.

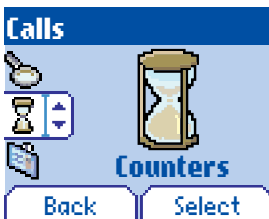
Select a call from the list and **accept**.

Choose from the options offered (Call, store in your phonebook, send a message, delete, delete all).

*You can also make the call by pressing the **Send** key.*

Counters

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



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

From the **Calls** menu select the **Counters** menu and **Select**.

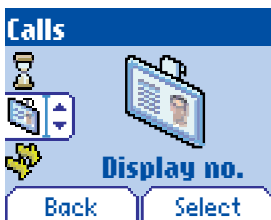
Choose the type of counter you want from the options offered.

Calls



Display number

This menu allows you to modify the status of the display number function.



From the **Calls** menu select the **Display number** menu and **Select**.

Choose from the options offered (Anonymous mode, My number, Caller's number).

Anonymous mode

You have the facility to mask your number on the telephone of the person you are calling.

Preset: network default mode.

No: you choose not to activate anonymous mode and so to display your number.

Yes: you choose to activate anonymous mode and so not to display your number.

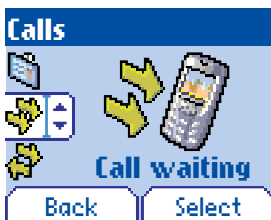
Calls



During a call you may be informed that a caller is trying to reach you: you hear a special tone. The caller's number is displayed on the screen (or the caller's store if it has been stored).

Call waiting

(Operator-dependent service)



From the **Calls** menu select the **Call waiting** menu and **Select**.

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

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

Auto redial

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



From the **Calls** menu select the **Automatic redial** menu and **Select**.

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

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

Calls



Answer phone number

This function is used to programme your answer phone number.



This number will be used when you make a call from the answer phonebox using the programmable keys.

From the **Calls** menu select the **Answer phone number** menu and **Select**.

Enter your answer phone **number** and **accept**.

Local info

This menu is used to activate reception of local information broadcast by the network.



You can choose whether or not to receive information (ask the company with which you took out your subscription).

From the **Calls** menu select the **Local info** menu and **Select**.

Security



This menu allows you to configure your telephone's security settings.

Keypad locking

This menu allows you to lock the keypad to avoid unauthorised use.



From the **Security** menu select the **keypad Locking** menu and **Select**.

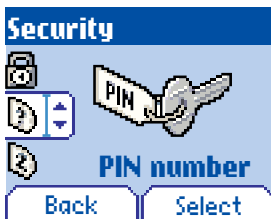
Select **Activate** or **deactivate** and **accept**.

The lock icon appears on the home page.

*This function is also available in the home page via a combination of the ***£** and **Select keys (right programmable key ⌂)**.*

PIN number

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



From the **Security** menu select the **PIN number** menu and **Select**.

To modify the PIN, select **Modify** and **Select**.

Enter old PIN and **accept**.

Enter new PIN twice and **accept**.

To activate or deactivate the PIN, select the **Check PIN** menu and **Select**.

Enter PIN and **accept**.

Select **Activate** or **Deactivate** and **accept**.

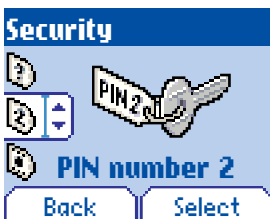
Security



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

PIN number 2

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



* This function may or may not be available depending on your SIM card.

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

Phone code

The phone code is a secret code intended to protect the phone if stolen.



To activate or deactivate the phone code, select the **Phone code** menu and **accept**.

Enter 0000 and **accept**.

Select **Activate** or **Deactivate** and **accept**.

To modify the phone code, select **Modify** and **accept**.

Enter old phone code and **accept**.

Enter new phone code and **accept**.

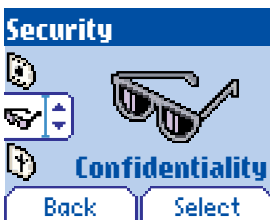
Enter phone code again to verify it and **accept**.

Security



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

Confidentiality

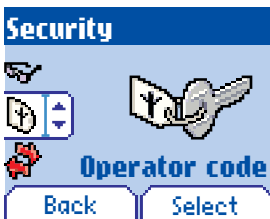


From the **Security** menu, select the **Confidentiality** menu and **Select**.

Select **Activate** or **Deactivate** and accept.

Operator code

This menu allows you to modify the call barring.



From the **Security** menu, select the **Operator code** menu and **Select**.

Access to this service depends on your type of subscription.

Security



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

Call barring

This menu allows you to block the sending or reception of certain calls.



Before you can use this service, a password will be provided by your operator when you take out your subscription.

From the **Security** menu, select the **Call barring** menu and **Select**.

Select **Activate** or **Deactivate** and **accept**.

Access to this service depends on your subscription type.

Fixed dialling

This menu allows you to restrict the sending of calls.



From the Security menu, select the **Fixed dialling** menu and **Select**.

Enter PIN number 2 and **accept**.

Select **Activate** or **Deactivate** and **accept**.

Proceed as for any other phonebook.

By activating this function, you can send calls only to the numbers stored in this phonebook.

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

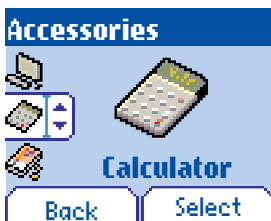
Accessories



This menu allows you to access the various accessories offered by your telephone: calculator, converter, alarm, timer, car kit, data parameters.

Calculator

This menu allows you to use your telephone as a calculator.



From the **Accessories** menu, select the **Calculator** menu and **Select**.

You can use the calculator with the help of the following keys:

- Up key:** Add
- Down key:** Subtract
- Right key:** Multiply
- Left key:** Divide
- Right programmable key:** Equals
- Left programmable key:** Delete
- *key or #:** Decimal point.

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

Accessories



Converter

This menu allows you to convert one currency to another.





From the **Accessories** menu, select the **Converter** menu and **Select**.

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

The **right programmable key**  allows you to use the following options:

Rapid exchange

If you check the Rapid exchange box, the converter will work in the home page by entering the desired numbers and pressing the **up / down**   keys to make the conversion.

Exchange rate

Enter the rate of exchange corresponding to the chosen currencies.

Currencies

Enter the two types of currencies to be converted.

Go to calculator

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

Accessories



The alarm works even when the mobile is switched off.

Alarm

This menu allows you to set and activate the alarm.



From the **Accessories** menu, select the **Alarm** menu and **Select**.

Activate or **Deactivate** the alarm and **accept**.

Set the waking time by entering the numbers directly or using the **down / up**   keys and **accept**.

 *The alarm icon appears on the home page.*



Timer

This menu is used to set and activate the timer.



From the **Accessories** menu, select the **Timer** menu and **Select**.

Activate or **Deactivate** the alarm and **accept**.

Set the duration by entering the numbers directly or using the **down / up**   keys and **accept**.

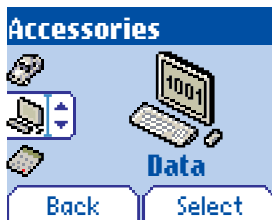
 *The alarm icon appears on the home page.*

Accessories



Data

This menu is used to configure the data exchange with another telephone.



From the **Accessories** menu, select the **Data** parameters menu and **Enter**.

Choose the speed rate of Serial data communication, with your computer.

Depending on the options chosen, the (data/fax) modem will be available: you can connect your JMS-110 to a computer, even without a PCMCIA card, by using a cable and then send or receive faxes and data.

Services



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

Services

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

From the **Services** menu, choose from the list offered.

Troubleshooting

PROBLEM - SITUATION

ACTIONS

Impossible to start mobile

Hold down the **Send** key(3s).

Charge the mobile up for 15 minutes before starting it again.

Check the battery charge icon scrolls.

Yes: charge correct.

No: disconnect the charger, then reconnect it, check that the battery icon scrolls. Press the right programmable key "Start".

If the icon continues not to scroll, repeat the disconnect and connect operation several times. If the battery still does not charge, contact the after-sales service.

When the charge battery icon has stopped flashing, the battery is charged.

BATTERY STATE UNKNOWN message

The battery has not been recognised by the mobile. Check that the battery is correctly installed in the mobile.

LOW BATTERY message

This message is displayed when the battery becomes too weak. The mobile switches itself off automatically. Put the mobile on charge.

SIM ABSENT message

Check SIM card is present and properly installed.

Visually check the SIM card. If the card is damaged, contact the operator's point of sale to check. If the message continues, contact the after-sales service.

PIN INCORRECT Message

PIN keying error. Caution: after three attempts, the SIM card is locked.

Troubleshooting

PROBLEM - SITUATION

ACTIONS

SIM LOCKED message

Three wrong PIN have been entered. Enter your PUK code to unlock the SIM card.

You must then enter: **05*PUK*PIN*PIN#

PUK: PUK (Personal Unblocking Key) code supplied by your operator.

PIN: your PIN.

After 10 failed attempts, the SIM card is permanently locked. You will then need to contact your operator or SMC to obtain a new SIM card.

LOCK SIM

At the request of the operator, the mobile may be used only with certain types of SIM cards. This message indicates that the SIM card used is not suitable.

Remove the SIM card and restart the mobile. If the SIM ABSENT message appears, check the compatibility of the SIM card with the company that sold you the mobile. Otherwise, contact the after-sales service.

No call connection

Check the called number. Check that at least one signal strength bar is present. If the R icon appears without any operator name being displayed, only emergency calls are possible.

Check that your call credit with your operator has not been used up.

Check that the SIM card used offers the service that you are requesting and that its validity has not expired.

Check and deactivate the restriction on outgoing calls if necessary.

Troubleshooting

PROBLEM - SITUATION

ACTIONS

No call reception

The network is overloaded. Call again later.

If the poor call connection persists, contact the hotline.

Try to make a call to check that the mobile and the network are operational. Check and deactivate the permanent calls forwarded (permanent calls forwarded icon displayed). Check and deactivate the restriction on incoming calls if necessary. If the poor reception persists, contact the hotline.

Network reception less good during a call

Avoid holding the telephone with your fingers at the top of the rear cover; this creates an obstacle for the antenna located at this spot.

Impossible to send message

Check that the SIM card used offers this service. Try to make a call to check that mobile and network are operational.

Check the answer phone number is properly configured. To do this, go to the "Calls" menu, select "Answer phone number" and check the number. Otherwise, enter your operator's answer phone centre number.

No answer phonebox

Check that the SIM card does offer this service.

Programme the call to be forwarded to answer phone using the information provided by the operator.

Answer phone icon flashing

Call the answer phone to make it disappear.

Troubleshooting

PROBLEM - SITUATION

ACTIONS

Backlight does not work

Go into the **"Settings"** menu, select the **"Energy saving"** menu and activate backlight

In WAP context:

SERVER NOT ANSWERING message

Switch off and then switch telephone back on.

Login to home page impossible

In the **WAP** menu, **Clear the cache**.

Operator name does not appear on screen

Go into the **"Settings"** menu, select **"Networks"**, then **"Selection"**. Wait until the operator appears, select it and accept.

How do I (un)lock the keypad?

Hit **Ⓜ** key, then the **right programmable key** **Ⓜ** (OK).

How do I switch to silent mode?

Hold **Ⓜ** key down unless ring tone sounds, when a short touch is enough.

How do I activate zoom?

Can be activated only in SMS and WAP screens; hold down **Ⓜ** key.

How do I remove the envelop that appears on the screen? **✉**

This envelop means that you have written or answer phone. To remove it, all you need to do is enter the "Messages" menu to read your messages. The envelop is then deleted. In the case of a voice message, contact your answer phonebox and let it guide you.

How do I lift the receiver that appears on the screen? **📞**

This receiver means that you have received answer phone in your message box. To remove it, call your answer phone.

Troubleshooting

PROBLEM - SITUATION

ACTIONS

How do I remove the written message at the down of the home page (1 call)

Press the **End** key to return to the home page without messages. Go into the **Messages** menu, select **Compose** and enter your message using the T9 script (predictive input method), which is the default entry mode.

How do I download ring tones?

Logon to one of the following sites via your computer: www.fun.com, www.kiwee.com. These sites offer to send ring tones to your mobile in the form of an SMS. You can also logon to your operator's site. Once the SMS has been received, all you have to do is save it: accept the option "Save messages", the tune will then be added to your list. In addition, you can logon to some sites by telephone.

How do I free up memory to download my objects (sounds, images)

Go into the **Settings** menu, select **My objects** then delete some objects (too many).

Index

A

Accessories p5
 Accessories (menu) p53
 Actuating your telephone p9
 Adapter p5
 Alarm p55
 Anonymus mode p46
 Answer phone number p48

B

Background p38, p39
 Battery p10
 Charging the battery p11
 Installing the battery p10
 Beeps p37

C

Calculator p53
 Call barring p52
 Call groups p22
 Calls p13
 Emergency services p14
 First call p15
 Receiving a call p44
 CALLS (menu) p47
 Automatic redial p44
 Calls forwarded p47
 Call waiting p45
 Counters p46
 Display numbers p45
 View last calls

CD p5
 Changing cover p10
 Charger p5
 Colours p38
 Confidentiality p51
 Contact p20
 Add contact p19
 Delete p19
 Modify contact p19
 See contact p42
 Contrast p54
 Converter p54
 Currencies

D

Data p56
 Date and time p13, p40
 Description p6
 Downloaded games p35

E

Emergency services p14
 EMS p24
 Energy saving p42

F

Fax p42
 Fixed dialling p52

Index

G

GAMES

GPRS

Greeting msg

GSM

p35
p32 to p34
p39
p32

Menus

Messages

Compose

Drafts

Inbox

Receiving messages

Sending options

p1
p23
p23
p28
p27
p26
p28

H

Hands-free mode

Home page

p15
p8

I

Icon

Input modes

International

IP address

p6, p7
p23 to p25
p14
p32, p33

K

Keypad locking

p6, p49

L

Languages

Local info

Lock keypad

p41
p48
p49

M

Megabox Conquest

Memory

p35
p21, p29

N

Network

Networks

p13
p41

O

Objects

Operator code

p40
p51

P

Phonebook

Phonebook menu

Using the phonebook

Phone code

PIN number

PIN number 2

Principles of navigation

Programmable keys

PUK code

p18
p20
p18
p50
p9, p12, p49
p50, p52
p7
p6
p12

Index

R

Reset setting
Ring tones

p6, p43
p16, p36

S

Screensavers
Security
Send options
Services
Settings
Shortcut keys
Silent mode
SIM (card)
SMS
Sounds
Switching off

p39
p49 to p52
p28
p57
p40
p6, p43
p17, p37
p9, p10
p23
p36, p37
p15

T

T9
Text
Timer
Troubleshooting

p24
p23 to p25
p55
p58 to p62

V

Vibrate
Volume

p36
p16, p36

W

Wallbreaker
Wallpapers
WAP

p35
p38
p30 to p34
p31 to p33
p34
Configuring WAP parameters
Downloading objects
Services menu
WAP logging off
WAP logging on

p30 to p34
p31 to p33
p34
p30, p31
p34
p33

Y

Your phone package

p5

Memo

Memo

Memo

Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

.POTENTIALLY EXPLOSIVE ATMOSPHERES

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

.

INTERFERENCE TO MEDICAL DEVICES

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

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

.EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna.

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

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

FCC Compliance Information

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received.

Including interference that may cause undesired operation.

Information to User

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ tv technician for help.

SAFETY INFORMATION FOR RF EXPOSURE

Body worn operation

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

SAR INFORMATION

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

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is **1.09 W/Kg** and when worn on the body, as described in this user guide, is **0.197 W/Kg**. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on **FCC ID: FCC ID: RSS-JNH-JMS110**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION

RADIO FREQUENCY INTERFERENCE STATEMENT

INFORMATION TO THE USER

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful Interference in a residential installation This equipment generates, uses, and can radiate radio frequency energy and, if Not installed and used in accordance with the instructions, may cause harmful Interference to radio communications. However, there is no guarantee that interference will not occur in a particular Installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet of a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

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