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M350

English

This guide describes the operation of the GSM telephones M350.
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Table of contents

INTRODUCTION

Thank you for purchasing the M350 (GSM, DCS) mobile telephone. The mobile telephone described in this guide is approved for use on all GSM 900/1800 networks. Some of the messages displayed on your mobile may be different according to your subscription type and/or service provider.

As with all types of radio transceivers this mobile telephone emits electromagnetic waves and complies with international regulations when it is used under normal conditions and in accordance with the safety and warning messages given below.

■ SAR

THIS M350 PHONE MEETS THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Before a mobile phone is available for sale to the public, compliance with the European R&TTE directive (1999/5/CE) must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radiofrequency (RF) energy recommended by The Council of the European Union[1]. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones (CENELEC standard EN 50360: 2000) employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit[2] recommended by The Council of the European Union is 2.0 W/kg. Tests for SAR have been conducted using standard operating positions (with reference to CENELEC standard EN 50361: 2000) with the phone transmitting at its highest certified power level in all tested frequency bands[3]. 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 base station antenna, the lower the power output.

The highest SAR value for this M350 model when tested for compliance against the standard was 0,548W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the EU requirements for RF exposure.

Additional information from the World Health Organization (WHO)

Individuals: Present scientific information does not indicate the need for any special precautions for use of mobile phones. If individuals are concerned, they might choose to limit their own or their children's' RF exposure by limiting the length of calls, or using "hands-free" devices to keep mobile phones away from the head and body.

RF absorbing devices: Scientific evidence does not indicate any need for RF-absorbing covers or other "absorbing devices" on mobile phones. They cannot be justified on health grounds and the effectiveness of many such devices in reducing RF exposure is unproven.
Source: WHO Fact Sheet 193, June 2000.
WHO: www.who.int/peh-emf.

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1. European recommendation 1999/519/CE
2. The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
3. The maximum level of GSM emitted power is 250mW at 900 MHz and 125 mW at 1800 MHz according to the GSM standard.

There are a number of independent sources of information available to users including:
Royal Society of Canada: www.rsc.ca
The International Commission on Non-Ionizing Radiation Protection (ICNIRP): www.icnirp.de
The US Food and Drug Administration: www.fda.gov/cellphones/
The World Health Organization: www.who.int/emf
Melco Mobile Communications Europe S.A. belongs to the MMF, an international association of radio equipment manufacturers.
The MMF produces information such as this in accordance with its purpose of developing and presenting industry positions to independent research organisations, government and other research bodies.

<div align="center">
Mobile Manufacturers Forum
Diamant Building, 80 Blvd. A. Reyers
B-1030 Brussels Belgium
www.mmfai.org
</div>

■ Declaration of conformity

Hereby, Melco Mobile Communications Europe S.A., declares that this VGM07A (M350) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
You can find a copy of the full Declaration of Conformity on our website :

<div align="center">http://www.mitsubishi-telecom.com</div>

■ General safety

It is important to follow any special regulations regarding the use of radio equipment, due to the possibility of radio frequency interference.
Please follow the safety advice given below.

✈	Switch off phone and remove the battery when in an aircraft. The use of mobile telephones in an aircraft may endanger the operation of the aircraft, disrupt the mobile phone network and is illegal.
⛽	Switch off phone when at any refuelling point or near inflammable material.
H	Switch off phone in hospitals and any other place where medical equipment may be in use.
☢	Respect restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress.
♥ / ⚕	There may be a hazard associated with the operation of phones close to inadequately protected personal medical devices such as hearing aids and pacemakers. Consult your doctor or the manufacturers of the medical device to determine if it is adequately protected.
(((•)))	Operation of phone close to other electronic equipment may also cause interference if the equipment is inadequately protected. Observe any warning signs and manufacturers recommendations.

■ Vehicle safety

Respect national regulations on the use of mobile telephones in vehicles.
Road safety always comes first! Always give your full attention to driving.
- Do not use a hand-held phone while driving. If you do not have a 'hands free' car kit, stop and park your vehicle safely before using your phone. Please ensure you are fully aware of the laws in your country in relation to the use of hand-held mobile devices whilst driving.
- If incorrectly installed in a vehicle the operation of mobile telephones can interfere with the correct operation of the vehicle electronics, such as ABS anti-lock brakes or air bags. To avoid such problems ensure that only qualified personnel carry out the installation.
- Do not place the phone on the passenger seat or where it could break loose during sudden breaking or a collision. Always use the holder.

■ Emergency calls

You can make emergency calls by dialling the European standard emergency number **112** even if there is no SIM card in your phone. Emergency calls can even be made if the phone is PIN or electronically locked or call barred. In some countries local emergency numbers can still be used for emergency purposes but the phone may have to contain a valid SIM card. When making an emergency call remember to give all the necessary information as accurately as possible. The phone may be the only means of communication at the scene of an emergency therefore do not cut off the call until told to do so.

⚠ Mobile phones rely on wireless and landline networks which cannot be guaranteed in all conditions. Therefore you should never rely solely on wireless phones for essential emergency communications.

■ Care and maintenance

This mobile telephone is the product of advanced engineering, design and craftsmanship and should be treated with care. The suggestions below can help you to enjoy this product for many years.
- Do not expose the phone to any extreme environment where the temperature or humidity is high.
- Do not expose or store your mobile in cold temperatures. When the phone warms up after switch on, to its normal temperature, moisture can form inside which can damage the electrical parts.
- Do not attempt to disassemble the phone. There are no user serviceable parts inside.
- Do not expose the phone to water, rain or spilt beverages. It is not waterproof.
- Do not abuse this phone by dropping, knocking or violent shaking. Rough handling can damage it.
- Do not clean the phone with strong chemicals or solvents. Wipe it only with a soft, slightly dampened cloth.
- Do not place the telephone alongside computer discs, credit or travel cards or other magnetic media. The information contained on discs or cards may be affected by the phone.
- Do not connect incompatible products. The use of third party equipment or accessories, not made or authorised by Mitsubishi Electric, invalidates the warranty of your phone and can be a safety risk.
- Do not remove the labels. The numbers on it are important for aftersale service and other related purposes.
- Do contact an authorised service centre in case of problem.

■ AC/DC adapter charger

This mobile phone was designed to be used only with the supplied AC/DC charger. Use of any other charger or adapter invalidates any approval given to this apparatus and may be dangerous.

■ Battery

You can charge a battery hundreds of times but gradually it wears out. When the operating time (stand-by and talk time) is noticeably shorter than normal it is time to buy a new battery. If the battery is totally empty the battery level symbol may not be displayed at once when connecting the battery charger. Moreover the mobile cannot be turned on. Up to 15 minutes may be necessary to reach the required 4% battery charge to turn your mobile on and allow the battery charge symbol to be displayed.
- Do not leave batteries connected to a charger longer than necessary. Overcharging shortens battery life.
- Disconnect battery chargers from the power source when not in use.
- Do not expose batteries to high temperatures or humidity.
- Do not dispose of the batteries in fire. They can explode.
- Avoid putting the batteries into contact with metal objects which can short circuit the battery terminals (e.g. keys, paper clips, coins, etc.).
- Do not drop or subject the batteries to strong physical shocks.
- Do not try to disassemble any of the battery packs.
- Use only the recommended battery chargers (see above).
- If the battery terminals become soiled, clean them with a soft cloth.
- Battery may become warm during charging.

Battery disposal

In compliance with European environmental protection directives, used batteries must be returned to the place of sale, where they are collected free of charge.
Don't throw away your batteries in your household waste.

■ PC cable

The PC cable allows to connect your mobile telephone to a Personal Computer in order to exchange data.

■ Your responsibility

This GSM mobile telephone is your responsibility. Please handle it with care and in respect of local regulations. Please keep it in a safe place at all times and out of reach of children. Become familiar with and use the security features to block unauthorized use. If your phone and/or SIM card are lost or stolen, call your service provider immediately to prevent illegal use.
When not in use, turn off the phone and remove the battery.

■ Security codes

The phone and SIM card are delivered to you pre-programmed with codes that protect the phone and SIM card against unauthorized use. A short description of each follows. See "Security features", page 76 to change your PIN and phonelock codes.

PIN and PIN2 codes (4-8 digits)
All SIM cards have a PIN (Personal Identity Number). It protects the card against unauthorized use.
Entering the wrong PIN code three times disables the SIM card and the message **SIM Blocked** is then displayed. **Enter PUK:** appears.

PUK and PUK2 codes (8 digits),
Please ask your service provider for your PUK code. Use it to unblock a disabled SIM card (see page "Security features", page 76).

Call barring password (4 digits)
This password is used to bar various types of calls, made or received, from the phone (see "Call barring password", page 76).

Phonelock code (4 digits)
This code is set to 0000 on delivery. You can change it. Once changed it cannot be identified by the manufacturer over the phone. Please refer to "Phone lock code", page 76 for more details.

We advise you remember these codes and make yourself familiar with their purpose and operation.

■ Disposing of waste packaging

The packaging used for this phone is made of recyclable materials and as such should be disposed of in accordance with your national legislation on the protection of the environment. Please take care to separate the cardboard and plastic elements and to dispose of them in the correct manner.

USING THIS GUIDE

Please carefully read this user guide. It contains information about your phone and the way that it operates on the network. Some of the features described in this user guide are network dependent. Do not forget to check with your service provider which of these you can use. You may need to take additional subscriptions to activate some features.

Key actions

To help you quickly get familiar with your mobile, here is how to use the keypad.

◯ **OK** key in the middle of the cursor key (to validate **OK** on the display and get to the animated Icons menu: see pictures underneath).

◌ Left softkey (to validate the item above: usually an action).

◌ Right softkey (to validate the action above: usually **Exit**).

◔ Right arrow on cursor key.

◔ Left arrow on cursor key.

◠ Up arrow on cursor key.

◡ Down arrow on cursor key.

℣ Send and Call key.

℣ End, On and Off key.

icons menu

⚠ The availability of the Calendar or Network services menu depends on your SIM card.

User guide notation

Here is how to follow the instructions of this user guide and use your mobile.

Press **OK**	Press the ◯ key to select **OK** (middle of the display).
Press **OK**. select **Settings**.	From the standby display press the ◯ key to access the main menu, scroll up, down, left or right to the **Settings** menu item and press **OK** to access the sub-menu.
Select **Read** (item above right or left softkey)	Press the ◌ key underneath **Read**.
Select **Melodies**	Use the cursor key to scroll up, down, left or right to the required menu item and validate by pressing **OK**. E.g. 'Select **Melodies**': scroll to **Melodies** menu item and press the **OK** key to validate your selection.
Select '**Cancel**' or '**Exit**'	A short press allows to return to the previous screen and a long press to return to the Idle state.
View...	The **...** indicate more options or submenus are available when pressing **OK.**

Using the dynamic scroll panels

When scrolling the menu the following scroll panel type allows to have a clear view of the information to be entered.

⚠ The arrow keys displayed at the bottom of the screen show the scrolling possibilities.

Understanding the graphic display indicators (icons)

Up to eight character lines plus one icons line can be displayed on your mobile screen.
The icons show the phone state and operational conditions when in use.
The following icons may be displayed:

SIM memory in use

Phone memory in use: refers to information from the phonebook cards.

GPRS service icon. It indicates data packet services are available.

GPRS connection icon. Is displayed when a GPRS connection is in progress.

Roaming. Is displayed when the phone is connected to a network different from its home network.

Call diverting. Indicates all incoming calls are permanently being diverted. Call diverting is network dependent.

Alarm clock.

Vibrator alert.

Keypad lock.

Line 2. Indicates the second line is in use (subscription dependent).

Silent mode on.

Mute.

Infrared port. Indicates the infrared port is active. i.e. data can be received via the infrared port.

Short message service (SMS). Is displayed when one or many short messages have been received and not yet read. ⬧ flashes when the SMS message box is full and no new message can be stored. SMS availability is network dependent.

Voice Mail. Is displayed when a voice Mail message has been received and stored by the networks Voice Mail centre. Voice Mail availability is network dependent.

Outgoing Call.

Incoming Call.

Withheld number. Is displayed when the caller does not allow showing his identity.

Unanswered call. Is displayed when an incoming call was unanswered.

Battery level indicator. Is permanently displayed to show the current battery charge level. Five levels are shown: from full (5 bars) to low (one bar). All the icon is empty when the mobile needs recharging.

Signal strength level. There are five strength levels. They show the strength of the received signal. The more bars the stronger the signal. If the network cannot be reached no strength level is displayed.

Tegic edition mode.

Multitap edition mode.

New event. Is displayed on power saver mode to indicate a new event has occurred.

Arrow keys. These icons are displayed during menu operation to indicate more items in the menu can be reached by pressing ⊙ ⊙ ⊙ or ⊙.

Secured connection. This icon is displayed when a secured connection is in progress.

Written e-mail with attachment.

Read e-mail with attachment.

Sent e-mail with attachment.

E-mail to be read with attachment.

Mail or **MMS on mobile**

Mail or **MMS box on mobile full**

Mail on server

MMS on server

Mailbox on server full

MMS box on server full

Java™ software in use.

Java™ application icon is displayed when a java application is running.

Problem in launching the **Java™** connection.

In Fusio™ connection in progress.

Preparing the phone for operation

Please refer to the Getting started whith your M350 booklet.

Basic operations

Turning the phone On

▶ **1** Press and hold the On/Off key. A tone sounds at mobile activation. When switching the mobile on for the first time or if the phone was incorrectly switched off 📷 may be displayed.

2 If your SIM card is PIN protected, **Enter PIN** is displayed.
Enter the PIN code and select **OK**.

3 If asked enter the date & time settings or select **Exit** if the settings are fine.

⚠ Please refer to "Security codes", page 7 and to "Security features", page 76 for more details on your PIN and lock codes.

If an image is set as a Welcome screen and/or a melody is set as a Welcome melody, the mobile first requests for the pin code then shows the selected image/animation and plays the selected melody before showing the standby display (please see "Setting an image as a idle screen, a welcome or a goodbye screen from the pictures folder", page 57 and "Melodies", page 57).

Making a call

The phone can make and receive calls only when it is switched on, when a valid SIM card is inserted and when it is connected to a GSM or DCS network service.
If the keypad is locked you can receive calls but you cannot make any (see "Keypad lock", page 12).
To make a call:

▶ **1** Dial the phone number or select one from your phonebook (press the left arrow key from the standby display, select one of the available names).

2 Press on the Call/Send key (📞 is displayed).

While in conversation an **Options** list (**AutoDTMF, Hold, Speaker On** or **Speaker Off, Mute** or **Unmute, End call** and **Record)** and **Sp.on** (Speaker On)**/Sp.off** (Speaker Off, after the speaker was set to On) are available from the left and right softkeys.

Answering a call

When receiving a phone call (📞 is displayed):

▶ **1** Press on the Call/Send key.

Rejecting a call

When receiving a phone call:

▶ **1** Press the On/Off key to reject the call (the call may then be forwarded to your mailbox).

Ending a call:

▶ **1** Press on the On/Off key.

Holding your phone (while making or receiving a call)

Avoid covering the up-per back half of the phone so as to allow maximum emision and reception quality.

Recommended way
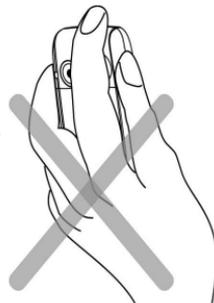
⚠ Please be warned that you should not, when using the hands free mode, put the phone to your ear.

The standby display

When switched on the mobile searches connection with the network. When the connection is established a tone sounds and the network and/or service provider name or logo are displayed together with the time and date, the signal strength and the battery charge level. If the mobile cannot find a valid network the signal strength and the operator name are not displayed.

The four arrows indicate features can be reached via the four arrows on the cursor key. The oval symbol in the middle of the cursor key shows the Menu can be reached by pressing on the OK key (in the middle of the cursor key).

Wap and **Message** indicate you can directly access the Wap feature and the message services by pressing on the softkeys.

✆ shows your mobile is attached to a GPRS network.

Keypad lock

When activated the keypad lock feature prevents accidental actions (e.g. camera activation) being made by while the phone is carried in a pocket or a bag for instance. Incoming calls can however be received and answered. When the call is over the keypad lock is automatically reactivated.

To activate the keypad lock from the standby display:

▶ **1** Press and hold ⌗. **Keypad locked** is displayed.

To activate the keypad lock from the main menu:

▶ **1** Press **OK**. Select **Settings**.
2 Select **Keypad**, then select **Keypad lock**.

To deactivate the keypad lock:

▶ **1** Select **Unlock** and press ⌗ or press and hold ⌗. **Keypad unlocked** is displayed.

Turning the phone off

▶ **1** Press and hold the On/Off key.

A tone sounds to confirm your action. A Goodbye screen is displayed while the mobile switches off (you can set a Goodbye melody and/or picture to be played/displayed at mobile switch off (please see "Setting an image as a idle screen, a welcome or a goodbye screen from the pictures folder", page 57 and "Melodies", page 57).

⚠ Do not take the battery out of the mobile without turning the phone off. Data might be lost. Should this happen a first-aid kit symbol is displayed at next activation of the mobile.

Power saver

To allow you enjoy optimised use of your mobile a power saver screen is automatically displayed after one minute when the phone is not being used. It displays your service provider name and the time.

The power saver does not prevent any operation. You can thus get a call, an SMS, etc. while the power saver is on. The ⓘ symbol is displayed on power saver mode instead of the time when an event (new message, unanswered call information,...) has occurred on your mobile. This symbol is displayed until you have read all the new events.

Pressing any key allows return to an active screen.

> ⚠ When a PC cable is connected to the mobile and you are using a file transfer software the power saving mode is not active.
> To enjoy optimised use of your mobile standby and talk time please do not forget to disconnect the PC cable after use.

TOOLS

When scrolling to the Tools menu from the main icons menu direct access to the Infrared port section is possible by selecting Infrared on the left side of the display.
The **Tools** menu allows access to a diary, a calculator, a currency converter, an alarm clock and the infrared port opening.

■ Diary

The Diary is divided into three parts:
- Calendar (to manage the events),
- Tasks list (to manage the tasks),
- Storage used (to provide the diary memory information).
An event is a diary entry that has a direct implication on your timetable (e.g. a meeting).
A task is a diary entry that has no direct implication on your timetable (e.g. organising a journey).

Calendar
The calendar allows to store up to 100 events to occur either once, daily, weekly, monthly or yearly. Each entry can contain up to 50 characters plus a reminder alarm. Events can be viewed on a daily, a weekly or a monthly basis. Events can be sent via the Infrared port or by SMS.

To enter an event:

▶ 1   Press **OK**. Select **Tools**.
  2   Select **Diary**.
  3   Select **Calendar**. A Monthly or a Daily view is displayed (the Daily view is displayed if an event is related to the current day).
  4   Select **Options**.
  5   Select **New event**.

An empty new event card is displayed with the following fields:
-Title (to type up to 10 characters)
-Description (to type up to 50 characters)
-Starting date and time
-Ending date and time
-Alarm
-Location
-Repetition

  6   Enter or select the requested data. Confirm each entry by pressing **OK**.
  7   Select **Save** to confirm data storage.

To view today's entries:

▶ 1   Press **OK**. Select **Tools**.
  2   Select **Diary.**
  3   Select **Calendar**.
  4   Select **Options**.
  5   Select **View...** then **Today** to view the current day's entries or select **Day view** to view the selected day entries.

In the Today view each event is displayed on one line as follows :
-A graphic representation (♣) if an alarm was set,
-The event starting time,
-The first part of the event title,
Red events show time conflicts were found on two or more events.

The following actions are available:

ACTIONS	PURPOSE
(down)	To move down to the next event or loops back to the first one
(up)	To move up to the previous event or loops to the last one
(left)	To move to the previous day
(right)	To move to the next day

An Options list is available. It allows to change the current **View...**, to **Create** a **New event** or **Modify** an **even**t, **Send** it **by... Infrared port**, **SMS** and **E-mail**, **Export...** it, **Delete** one **event** or **Delete all events**.

To view weekly entries,
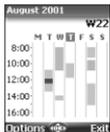
▶ **1** Press **OK**. Select **Tools**.
2 Select **Diary**.
3 Select **Calendar**.
4 Select **Options**.
5 Select **View...** then **Week view**.

The week events are in chronological order. Each event is represented as a bar (its length depends on its duration. The red colour shows event conflicts. The purple colour shows if the alarm is activated or not).
The following actions are available:

ACTIONS	PURPOSE
(down)	To move down to the next time interval
(up)	To move up to the next time interval
(left) (short press)	To move to the previous day
(left) (long press)	To scroll to the previous week
(right) (short press)	To move to the following day
(right) (long press)	To scroll to the following week

An Options list is available. It allows to change the current **View...**, to **Create** a **New event**, **Export...** the **Events in** a defined **period**/**All events** or **Delete all events**.

To view monthly entries:

▶ **1** Press **OK**. Select **Tools**.
2 Select **Diary**.
3 Select **Calendar.**
4 Select **Options**.
5 Select **View...** and **Month view**.

The whole month is displayed.
If the selected month is the current one, the curent day's date is rounded and coloured. Colours show the days (and alarm activation) of the stored events.The following actions are available:

ACTIONS	PURPOSE
(down)	To move down within the current display
(up)	To move up within the current display
(left) (short press)	To move to the previous day
(left) (long press)	To scroll to the previous month
(right) (short press)	To move to the following day
(right) (long press)	To scroll to the following month

An Options list is available. It allows to change the current **View...**, to **Create** a **New event**, **Export...** the **Events in** a defined **period**/**All events** or **Delete all events**.

Tasks list

This feature enables to store up to 100 tasks to be done (To do), scheduled with a start and a due date, with or without a reminder alarm.

To enter a new task:

▶ **1**   Press **OK**. Select **Tools**.
    2   Select **Diary**.
    3   Select **Tasks list**.
    4   Select **New task** and enter the required information.

An empty task card is displayed with the following fields:
- A title (up to 10 characters)
- A description (up to 50 characters)
- A starting date
- A due date
- An audio alarm which can be activated at a defined time

    5   Enter or select the requested data. Confirm each entry by pressing **OK** .
    6   Select **Save** to confirm data storage.

To display a tasks list:

▶ **1**   Press **OK**. Select **Tools**.
    2   Select **Diary**.
    3   Select **Tasks list**.
    4   Select **Current tasks** or **Elapsed tasks**.

The tasks are displayed in a list, ordered by date. If an alarm is activated for a task ♪ is displayed. An Options list is available. It allows to create a **New task**, to **Modify** the current **task**, to **Send** a task **by... Infrared port**, **by SMS** or by **E-mail**, to **Export**... **Tasks in period** or **All tasks**, to **Delete** the current **task** or to **Delete all tasks period**.

Exporting an event

The **Export...** option allows to create a file so as to exchange events with another device such as a PC or another mobile. The created file can contain all the events stored in the calendar (select **All events**) or in a time interval (Select **Events in period**).

▶ **1**   Press **Options** (from the Day, Week or Month view). Scroll down and select **Export...**
    2   Select **All events** or select **Events in period** then define the time period (Between / And) and select **Export**.
    3   The exported file is stored in the **Others** folder of the **Fun & Media box** menu. You can then send it to another device (please see "Others", page 65).

⚠   The exported calendar item is stored as a .vcs file.

Alarm notification

The alarm notification screen is displayed on due time according to the event or task it is related to. If it is not acknowledged the alarm stops ringing after 60 seconds. It automatically restarts after a snooze time until it is stopped or up to the beginning/ending time and date of the event/task.

▶ **1**   Press **Valid** to acknowledge the alarm or press **Snooze** to repeat the alarm after the snooze period.

⚠   Snooze is only available on an event alarm.

Storage used

This feature displays the number of Diary registered events and tasks. The following actions are available in the **Options** menu:

ACTIONS	PURPOSE
Delete events	To delete the events of the defined time period.
Delete tasks	To delete the tasks of the defined time period.
Delete all events	To delete all the events stored in Calendar.
Delete all tasks	To delete the tasks stored in the Diary.

■ Calculator

This feature allows simple calculations using + (plus), - (minus), * (multiplication), / (division) and % (percentage) functions.
If the currency converter is initialised, numbers can be converted during calculations.
To use the calculator,

▶ **1** Press **OK**. Select **Tools**.
  2 Select **Calculator** .
    The phone is ready to perform simple calculations.

Press keys ① to ⑨ to type numbers. Press the ✳ multitap (for further details on the multitap text entry method please see "Entering text", page 22) to get **+**, **-**, ***** and **/** symbols. Use the #️ multitap to type decimal points or **%**.
Press **Clear** during a calculation to correct an entry. Press **=** to get the operation result.

📋 *Example*   **144 x 12 = 1728**

key sequence	*display*
① ④ ④	**144**
Press ✳ *3x*	*****
① ②	**12**
= ◯	**1728**

Following the above example, pressing **=** again calculates 1728 x 12 = 20736
Pressing **Clear** deletes the result.

⚠ The % function can only be used (entered) as the last operator during a calculation.
e.g.250 - 10% = 225

An integrated currency converter facility is also available. See Currency converter underneath.

📋 *Example*   *using the currency converter £ - €*
  €154 + €3 = £ 97.1374

key sequence	*display*
Select **Curr.**	‹ ◖◗ ›
① ⑤ ④ ④◁	**95.2813**
✳	**+**
③ ◁	**1.8561**
= ◯	*97.1374*

⚠ 1. This example was made on the basis of the following exchange rate: **€1 = £0.61871**
2. The Currency converter feature can be reached from the Calculator and from the Currency converter sub-menus.

■ Currency converter

This feature allows currency converting. The currencies and exchange rates have to be entered before first use. The conversion is calculated on the per unit exchange rate of the second selected currency.
To select the currencies and the exchange rate:

▶ **1** Press **OK**. Select **Tools**.
  2 Select **Currency converter**.
  3 Select **Settings**.
  4 Enter the first currency name (e.g. Yen). Press **OK**.
    Enter the second currency name (e.g. Dollar). Press **OK**.
    Enter the exchange rate using #️ to enter a decimal point.
  5 Press **OK** to validate the entry. Press **Save** to confirm data storage.

To calculate the conversion between the chosen currencies:

▶ 1 Press **OK**. Select **Tools**.
   2 Select **Currency converter**.
   3 Select one of the first two options.
   4 Enter the amount to be converted. Press ⌗ to insert a decimal point if needed.
   5 Press **OK**. The converted amount and the exchange rate information are displayed.

■ Alarm clock

This feature allows setting a daily Reminder Alarm.
To set a time and turn the alarm on:

▶ 1 Press **OK**. Select **Tools**.
   2 Select **Alarm clock**.
   3 Select **On** and enter the alarm time or press **OK** to validate the displayed time.
      🔔 is displayed when coming back to the standby display.

⚠ When 'On' the alarm operates at the same time every day until turned Off.

If the phone is off at alarm time the phone automatically switches on.
To use the alarm as a Reminder or a Snooze Alarm:

▶ 1 Press **No ring**, or any other key (except **Valid.** and **OK**) to snooze the alarm. The alarm
      icons remain on the display and the alarm re-starts ringing 3 minutes later.
      Or press **Valid.** or **OK** to acknowledge the alarm and stop the alarm clock process.

If the phone is locked or if the PIN setting is on, the phone returns to this locked state after the
alarm has rung until you operate it.
If the alarm is acknowledged but not validated after the 3rd (and final) alarm ringing the alarm
indicators remain on the display for up to 15 minutes (the mobile afterwards either goes back
to its 'on' or 'off' previous state).

⚠ If a call is in progress at alarm time a 'Call in progress' alert beep sounds and a visual alert is displayed every
   3 minutes. Validate or acknowledge the alarm the usual way.

To turn the alarm off:

▶ 1 Press **OK**. Select **Tools**.
   2 Select **Alarm clock** .
   3 Select **Off**.

■ Infrared port

The infrared port allows to exchange data between the mobile and other devices (provided they
have an infrared port).
You can for instance download or send files such as images for your idle screen (see "Pictures",
page 62), send or receive name cards,...
To initiate a transfer via the infrared port your mobile must be placed facing another infrared
port before port opening.
Both ports can then be opened and synchronised. The requested transfer can be performed.
Objects (e.g name cards) are transferred one by one.

Opening the infrared port

Opening the infrared port allows to receive information via this port.
Once opened, the infrared port can be used for any kind of transfer (data, fax, file transfer,...).
The infrared port is automatically closed after a while.
To open the infrared port:

▶ 1 Press **OK**. Select **Tools**.
   2 Select **Infrared port**.

or:

> **1** Press **OK**. Scroll to **Tools**.
> **2** Select **Infrared.**(left softkey).

The infrared port is automatically opened and ⛱ is displayed on the idle screen.

Closing the infrared port

Closing the infrared port closes all infrared sessions.
To close the infrared port:

> **1** Press **OK**. Select **Tools**.
> **2** Select **Infrared port**.

or:

> **1** Press **OK**. Scroll to **Tools**.
> **2** Select **Infrared.**(left softkey).

The infrared port is automatically closed.

⚠️ 1. The infrared port automatically closes if it remains unused for a while.
2. If the file received via infrared port has not name or if its name already exists in the mobile, the mobile generates a new name for the file.

Transferring a name card via the infrared port

You can transfer a name card via the infrared port:

> **1** Place your mobile opposite the other device infrared port.
> **2** Open the other device infrared port.
> **3** Select the card you wish to transfer as explained in section "Viewing and calling phonebook numbers", page 45.
> **4** Select **Options**. Select **Send by... Infrared port**.
>   The infrared port is opened and the transfer is then performed.

■ Using your mobile as a modem

You can use your mobile as a modem for other devices (PC, PDA,...) via the infrared port (on both devices) or via a PC cable. To launch a connection you previously need to have a standard modem driver installed on the other appliance:

> **1** Install the PC cable or open the Infrared port on your PC or PDA.
> **2** Install the modem driver.
> **3** Configure the PC according to the instructions given with the modem driver.
>   Please enter the following parameters:
>   - Flow control: Hardware
>   - Data Bits: 8
>   - Parity: No parity
>   - Stop Bit: 1 stop Bit
>   - Speed: 115200b/s

⚠️ The PC cable may not be supplied with your mobile. Please ask your retailer for an M350 compatible PC cables.

Your mobile:

> **1** Plug in the PC cable (please see page 4).

or:

> **1** Open your mobile Infrared port.

⚠️ If your mobile is set to Modem mode (Please see "Security features", page 76) all incoming calls are rejected.
If your mobile is not set to Modem mode your Internet connection may be interrupted by incoming calls.

Once both devices are ready the Internet connection can be launched (without any action being performed on your mobile).

MESSAGES

This section describes the contents of the Messages menu and bears full information on the Short Message Service. Other types of messages can be sent and received via your mobile. Please refer to the e-mails (page 35) and Multimedia Messages (page 29) sections for full information on e-mails and Multimedia Messages.

The Short Message Service (SMS) enables to send or receive text messages to or from other mobile phones. You can store, edit and forward messages as well as save any of the numbers they may contain.

These SMS are stored on the phone memory; they may also be stored in the SIM card if they are sent by a service provider.

You can access the Messages menu by pressing OK then Messages from the main menu or by pressing the Message softkey from the standby display.

Reading a received SMS message

When the phone receives an SMS message a new SMS alert tone sounds and ⟳ is displayed on the screen. The message is automatically stored in the phone or in the SIM card. If ♪ flashes, it indicates the SIM or the phone memory are full and cannot store any other messages. Delete messages to allow new messages to be delivered.

▶ 1 Press **Read** to read new messages (from the standby display only).
   2 Press **Options** to **View**, **Reply**, **Reply (+text), Reply by MMS** (please see "Writing and sending a multimedia message", page 30), **Delete**, **Delete all**, **Forward**, **Move to SIM** or **Numbers** (to store or call the number(s) contained in the SMS header or text).

Reading stored SMS messages

▶ 1 Press **OK**. Select **Messages**.Or press and hold the **Message** softkey.
   2 Select **SMS**.
   3 Select **Inbox** or **SIM archive** then select **Received messages** to display the message list. Use the arrow keys to scroll up and down and reach the message you want to read.
   4 Select **OK** or **Options**/**View** to read the message text.

Unread messages are shown by the ✉ icon + bold text. Messages that were already read are shown by ☒.

Moving messages to SIM

It is possible to move a message from the Inbox or the Outbox to the SIM memory. However, according to the message size, the message may be truncated (the 160 first characters only are moved to the SIM memory). The sending date (for sent messages) and the 'Copy to' addressees are lost when moving the message to the SIM memory.

To move a message to the SIM memory:

▶ 1 Press **OK**. Select **Messages**.
   2 Select **SMS**.
   3 Select **Inbox** or **Outbox**.
   4 Choose the message to be moved and select **Options** .
   5 Select **Move to SIM**.

■ Forwarding messages

You can forward a received message to other people/number(s):

▶ 1 Press **OK**. Select **Messages**.
2 Select **SMS**.
3 Select **Inbox** or **SIM archive**/**Received messages**.
4 Choose the message to be forwarded and select **Options**.
5 Select **Forward**.
6 Select the **To** field and choose one of the displayed names or select **New** if you want to send your message to another mobile number (directly type the number in). Press **OK** to validate.
7 In the **Text** field type the message text (see "Entering text", page 22) or select one of the models (**Models**) and press **OK**.
8 If you want to send the message to several addressees, enter one or several phone numbers/names in the **Copy to** list (up to 4 more addressees) and press **OK** then **Valid** to come back to the previous screen.
9 Select **Options.**
10 Select **Send**, **Store & send** or **Store**.
11 A warning information displays the number of SMS needed to send the message if it is more than one. Select **Go on** if you want to send the message or select **Cancel** if you do not want to send it or if you want to amend your message.

■ Activating or deactivating the message reception alert

Each time a message is received a new SMS reception alert melody sounds. To activate or deactivate it:

▶ 1 Press **OK**. Select **Messages**.
2 Select **Parameters**.
3 Select **Reception Alert**. On the Alert field press **OK** and select **On** or **Off**. On the Melody field press **OK** and scroll up or down to select one of the available melodies.
4 Select **Save**.

■ Preparing the phone to send SMS messages

Before sending your first SMS or if you want to register a new profile the network SMS centre number (obtainable from your service provider) has to be stored:

▶ 1 Press **OK**. Select **Messages**.
2 Select **SMS**.
3 Select **Settings**.
4 Select **Sending profiles**.
5 Type the message center number or select a template (if several available) then enter the following fields (operator dependent).

FIELDS	DESCRIPTION	DEFAULT
Name	To type the profile name.	Profile1
Message centre	To type the centre number.	Empty
Format	To set the message format: text, voice, fax or paging.	Text
Validity period	Time the message remains at the message centre until delivered.	Maximum

6 Select **Save** to validate.

⚠ You may not be allowed to change your sending profile (format and validity period). Please contact your service provider for further details.

The SMS centre number may already be available in your SIM card and may then be automatically displayed. If you want to choose a Sending profile for your message:

▶ 1 Press **OK**. Select **Messages**.
   2 Select **SMS**.
   3 Select **Settings**.
   4 Select **Sending profiles** and choose the profile you want to use. Select **Options**.
   5 Choose **Select**.

■ Entering text

Some features and functions (storing names in phonebook or typing SMS text messages, Tools, Settings,...) require you to know how to enter and edit text in the display.
Two modes are available. They are indicated by ⟋ in lower case mode and by ⟋ in upper case mode. Text, figures and alphabet characters can then be entered or edited directly from the keypad. Press ⊛ to switch from one mode to another.
There are two methods to type text characters. The Multitap or Multipress key method and the quicker intuitive method, called T9 text input.
Press down arrow key to swap between the T9 and the Multitap methods. When on T9 mode, ▦ is displayed on the upper part of the display to show T9 is the current mode. **Abc⊽** is displayed on the lower part of the screen to indicate the Multitap text method can be reached by pressing down arrow key. When on Multitap mode, **Abc** is displayed on the upper part of the display to show Multitap is the current mode. ▦⊽ is displayed on the lower part of the screen to indicate the T9 method can be reached by pressing down arrow key.

⚠ 1. In simplified Chinese pressing the down arrow key gives access to PinYin, Stroke, T9 English, English and Digits.
2. In traditionnal Chinese pressing the down arrow key gives access to BoPoMoFo, Stroke, T9 English, English and Digits.

The multitap/multipress method
A brief press on a key displays the first character associated with the key and shows the other available characters at the top of the display. Here is the list of the available characters (the available characters list is language dependent):

KEY	CHARACTER	
	Lower case	Upper case
①	. , ? ! - ' @ : 1	
②	a b c 2	A B C 2
③	d e f 3	D E F 3
④	g h i 4	G H I 4
⑤	j k l 5	J K L 5
⑥	m n o 6	M N O 6
⑦	p q r s 7	P Q R S 7
⑧	t u v 8	T U V 8
⑨	w x y z 9	W X Y Z 9
⑩	0	0
⊛	Short press : to switch mode (T9 or multitap) to lower case or upper case (numeric mode availability is software dependent). Long press : to switch from lower case to upper case. Only the first letter typed is upper case, the following ones are lower case (e.g.: to write a surname).	
⌨	Short press: to enter a white space. Long press: gives access to special characters.	
◁ ▷	Short press: moves the cursor through the text one place to the left or to the right. Long press: moves the cursor to the text beginning or end.	
⟳	Swap between Multitap/Multipress method and T9 text input	

⚠ Chinese stroke input only uses the 1 to 6 keys.

To enter text press the key bearing the required character until it appears in the display. Holding the key displays the number corresponding to the key. If you need to use two characters from the same key wait for a few seconds after typing the first character (until the key characters on the upper part of the screen are cleared) or press the right arrow key before pressing the key again.
Correct mistakes by a short press on **Clear**.
Holding the **Clear** key deletes all the text.
Use the left or right arrow keys to move the cursor in the text. Holding ⌗ allows access to 25 special characters:

	To select and insert a character into the text:
	▶ 1 Move the cursor to the required character.
	2 Select **OK**.

⚠ The ↵ symbol is only displayed when on SMS and MMS.
It allows to go to the following line.

Multitap method:

Example *To type* **Card***:*

Press **OK** *and select* **Messages***.*

Select **Write new***.*

Fill in the **To** *field (see "Sending a new sms message", page 24).*

In the **Text** *field press the down arrow key until* ⌨ *is displayed. Press* ②️ *briefly three times,* **C** *is displayed.*

Press ✱ *until* ⌨ *is displayed. Press* ②️ *once,* **a** *is displayed*

Press ⑦ *three times,* **r** *is displayed*

Press ③ *once,* **d** *is displayed. The word* **Card** *is now displayed.*

The T9 method:

A press on the down arrow key allows swapping between T9 text entry and the Multitap method.

▶ 1 Press the key bearing the required letter once only (the requested character may not be displayed first).

2 The active word changes as you type. Type all the word characters up to the end of the word.

3 If the right word is not displayed when all the characters are entered press ⓞ until you get the required word.

4 If the requested word does not belong to the displayed ones, press the down arrow key to swap to the multitap method and type the correct letters in.

5 Use the left or right arrow keys to locate the cursor in the text to insert or delete characters.

Tips and Operation

KEY	ACTION
✱	Short press : to switch mode (T9 or multitap) to lower case or upper case (numeric mode availability is software dependent). Long press : to switch from lower case to upper case. Only the first letter typed is upper case, the following ones are lower case (e.g.: to write a surname).
Clear	Clear or backspace
⌗	Short press: to enter a space. Long press: gives access to special characters.
ⓞ	Another matching word
①	Smart punctuation
◁ ▷	Short press: moves the cursor to each word beginning (◁) or end (▷). Long press: moves the cursor to the text beginning (◁) or end (▷).
☺	Swap between T9 and Multitap method

Example *To type* **card***:*
Press **OK** *and select* **Messages***.*
Select **Write new** *.*
Fill in the **To** *field (see "Sending a new sms message", page 24).*
In the **Text** *field press the down arrow key until* 🔲 *is displayed.*
Press ②*, **a** appears.*
Press ②*, **ca** appears.*
Press ⑦*, **car** appears.*
Press ③*, **case** appears.*
If the displayed word is not the one you want, press ⓪ *as many times as necessary to view* **card***.*

■ Text models

You can use a set of 20 pre-stored text models to write your SMS.
You can also delete these text models and write your own messages and store them in the Text model file.

To delete a text model:

► **1** Press **OK**. Select **Messages**.
2 Select **Text models**.
3 Select the required text model.
4 Select **Delete** and select **Yes**. A blank template now replaces the text.
5 Press **OK** to write your own text model then press **OK** to validate.

To replace a text model:

► **1** Press **OK**. Select **Messages**.
2 Select **Text models**.
3 Select one of the displayed text models.
4 Select **OK** and select **Yes** (Replace text?).
5 Enter your own text model and press **OK** to validate.

■ Editing a text model

You can edit any of the text models you stored:

► **1** Press **OK**. Select **Messages**.
2 Select **Text models**.
3 Select the text model to be modified and press **OK**.
4 Edit the text and press **OK**.

■ Sending a new SMS message

You can send message texts (up to 918 characters). The standard size for an SMS is 160 characters (your service provider charges you according to the number of SMS used to send your message). The 🔲 icon (1 = number of SMS used - it is updated while writing your message and shows the number of SMS needed to send your message) and the number of characters used are displayed on the screen left corner.
To send SMS from the Menu:

► **1** Press **OK**. Select **Messages**.
2 Select **SMS**.
3 Select **Write new**.

4. Press **OK**. Select the **To** field and choose one of the displayed names or select **New** if you want to send your message to another mobile number (directly type the number in). You can also press any of the 0 to 9 keys (from the To field) to type a new phone number. Press **OK** to validate.

5. In the **Text** field type the message text (see "Entering text", page 22) or select one of the models (**Models**) and press **OK**.

6. If you want to send the message to several addressees, enter one or several phone numbers/ names in the **Copy to** list (up to 4 more addressees) and press **OK** then **Valid** to come back to the previous screen.

7. Select **Options.**

8. Select **Send**, **Store & send** or **Store**.

9. A warning information displays the number of SMS needed to send the message if it is more than one. Select **Go on** if you want to send the message or select **Cancel** if you do not want to send it or if you want to amend your message.

⚠ 1. If you have registered an automatic signature the number of characters used is automatically added to the message length.
2. Once in the phone number editor, Names allows to access the phonebook list to select a name.
3. If a name is already stored in the 'To' list, pressing OK or one of the 0 to 9 keys again displays an Options list (Modify: to change the selected number or e-mail address; New selection: to select a new name from the name list; and Delete.)
4. Please go through the same process as to enter nams int the 'To' field tho enter names in the 'Copy to' field.

To send SMS from the standby display:

► 1. Press the left arrow key to get to the phonebook. Scroll down to one of the available names or numbers.

2. Select **Options**.

3. Scroll down and select **Send a message...**, select **SMS** and then proceed as described above.

or:

► 1. Press the softkey underneath Message.

2. Select **SMS**, then proceed as described above.

■ Signature

You can register a signature to be automatically added to your text messages. The signature is not displayed when typing the message text but it is displayed on message reception by the addressee. The maximum size for the signature is 30 characters. If the message text to be sent reaches 918 characters the signature cannot be added.
To register a signature:

► 1. Press **OK**. Select **Messages**.

2. Select **Parameters**.

3. Select **Signature**.

4. Select the **Insert in message** field. Select **Text.**

5. Select the **Text** field and type your signature text.

6. Select **Save** to store your signature.

You can also set a vCard as a signature:

► 1. Press **OK**. Select **Messages**.

2. Select **Parameters**.

3. Select **Signature**.

4. Select the **Insert in message** field. Select **Name card.**

5. Select the **Name card** field and select your own card (**My card**) or select **Phone names** and select the required name card.

6. Select **Save** to store your signature.

⚠ The signature is used for your SMS, Multimedia Message and your e-mails.

■ Voice mail

Your network provider may offer a Voice Mail service which operates like an answering machine. You may be able to directly access it by pressing and holding the ① key.
Contact your service provider for further details.

Storing a voice mail centre number

If your SIM card does not bear the Voice Mail centre number you have to manually store it:

► 1 Press **OK**. Select **Messages**.
   2 Select **Parameters**.
   3 Select **Voice Mail**.
   4 Select **Number**. Enter the number (type it directly or select it from the **Names** list).
   5 Press **OK** to validate.

⚠ 1. The Voice Mail number is automatically assigned to speed dial location number 1 (see "Speed dial", page 70).
2. If you subscribe to the 'Line 2' service its Voice Mail centre number has to be stored separately.

Activating the voice mail alert tone

If you wish to be advised by a tone when receiving a new Voice Mail message:

► 1 Press **OK**. Select **Messages**.
   2 Select **Parameters**.
   3 Select **Voice Mail**.
   4 Select **Alert**. Select **On**.

⚠ The availability of this feature is operator dependent.

Calling the voice mail centre to check your messages

You can either dial the Voice Mail centre number directly after the receipt of a message:

► 1 From the standby display press and hold ①.

or:

► 1 Press **OK**. Select **Messages**.
   2 Select **Parameters**.
   3 Select **Voice Mail**.
   4 Select **Call**.

■ Outbox and SIM archive emitted messages

The Outbox and SIM archive emitted messages contain unsent draft messages and stored sent messages (delivered or undelivered). These messages can be selected from the outbox or SIM archive menu and can be modified and resent as new SMS messages.
To select one of these messages:

► 1 Press **OK**. Select **Messages**.
   2 Select **SMS**.
   3 Select **Outbox** or **SIM archive** then **Emitted messages** and use the up or down arrow keys to scroll to the required message. Messages either are 'transmitted' or 'to be sent' .
   4 Press **Options** to **View**, **Delete**, **Delete all**, **Send**, **Modify**, **Move to SIM** (for outbox messages only), **Numbers** (to store or call the number(s) contained in the SMS header or text) or **Details**.

■ Status request

If a status is requested on a sent message a status request is sent to the network (this feature must be network supported). If the status is requested on a delivered message the date and time of delivery may be shown.The network then answers by sending a status report (SR) back to the phone. Press **OK** to acknowledge it.
To activate the status request:

▶ 1 Press **OK**. Select **Messages**.
2 Select **SMS**.
3 Select **Settings**.
4 Select **Message config.**
5 Select **Delivery report** and select **On**.
6 Select **Save**.

To request a reply:
A reply to your message can be requested from your correspondent. If you activate this feature you will be charged by the cost of the reply message.
The availability of this feature is operator dependent.

▶ 1 Press **OK**. Select **Messages**.
2 Select **SMS**.
3 Select **Settings**.
4 Select **Message config.**
5 Select **Reply requested** and select **On**.
6 Select **Save**.

To read the sent message, delete or re-send it when receiving the status:

▶ 1 Press **Options**. **Send again, Clear, Associated message** or **Delete message** is displayed.
2 Select the required action .

■ Storage consumption

The storage status for SMS, Multimedia Messages and e-mail can be consulted.
To know the number of messages stored, the total available space on the phone memory and on the SIM card:

▶ 1 Press **OK**. Select **Messages**.
2 Select **Storage used**. The **SMS** memory used is displayed. Scroll down to get to the **SIM archive.**
3 Select **Details** for more information on the Phone and SIM stored messages (use up and down arrow keys to scroll to the required information).
4 Scroll down to get to the Multimedia Messages and e-mails storage information.

MULTIMEDIA MESSAGES

The Multimedia Messages Service (MMS) is a service that allows the sending and receiving of messages to and from other MMS enabled mobile phones. The main difference between an SMS and an MMS is the MMS is composed of one or several pages made of text + image(s) and sounds (melody or speech notes).

⚠ The appearance and the good reception of Multimedia message contents depend on the addressee mobile type.

The protocol that is used to transfer the multimedia messages is the Wap™ protocol; you therefore need a Data subscription (see "Wap™", page 54) to send and receive multimedia messages.
The sending and receiving of a Multimedia message imply the launching of a connection via an MMS centre. Please contact your service provider to get full information on the subscription conditions.
The receiving of a Multimedia message implies two steps:
- The receiving of a message notification bearing (optionnally) the sender's name, the message subject and size and its validity duration on the MMS centre.
- The retrieval of the corresponding message from the network (on request).
Multimedia message(s) may already be stored in your mobile at mobile first use. This depends on your service provider.

■ Reading a received MMS message

When the phone receives an MMS a new alert tone sounds and ⬙ or the New message information is displayed.
If ⚡ flashes, it indicates the SIM or the phone memory are full and cannot store any other messages. Delete SMS or Multimedia messages to allow new messages to be delivered.

▶ **1** Press **Read** to read your new message(s) or message notification(s).
2 When receiving a message notification choose whether or not to retrieve the Multimedia message from the network (select **Options** then **Retrieve message** and **Yes**).
3 Scroll down to `Next page` if your message bears several pages and select **OK**.

The notification and the retrieved message are automatically stored in the Inbox.

▶ **1** Press **OK**. Select **Messages**.
2 Select **Multimedia messages**.
3 Select **Inbox** to display the MMS list. Use the arrow keys to scroll up and down and reach the message you want to read.
Selecting **Options** allows access to **View,   Reply, Reply all, Reply by SMS** (please see "Sending a new sms message", page 24), **Delete, Delete all, Forward**, **Numbers & e-mails** (to store the number(s) and/or e-mail address contained in the MMS header) and **Details** (to view the Multimedia message header contents).
4 Select **OK** or **Options**/**View** to read the message.

⚠ 1. You cannot modify the contents of a received Multimedia message.
2. if the selected message is a notification the available options are: Retreive message, Delete, Delete all, Numbers & emails and Details.
3. An 'Attachment' option is available while viewing the selected message. You can then store the message attached files.

Unread messages are shown by ✉ and the text is bold. Messages that have been already read are shown by ▤ .
Multimedia message notifications are shown by ▣✉ .

■ Saving received multimedia message content

You can store the images, melodies, events, tasks and speech notes attached to the received multimedia messages into the Fun & media box. When reading a received Multimedia message:

► **1** Select **Options**.
   2 Select **Attachment**.
   3 Select **Options**.
   4 Select **Store**.

⚠ According to the attached item the Options sub-menu allows to view or store the attachment contents.

■ Writing and sending a multimedia message

To write a Multimedia message:

► **1** Press **OK**. Select **Messages**.
   2 Select **Multimedia messages**.
   3 Select **Write new**.
   4 Fill in the required information in the Multimedia card (please see below) and select **Options.**
   5 Select **Send**, **Send & Store**, **Store** or **Adjust config.** before sending the message and press **OK**.

⚠ The Adjust config. settings (to require a delivery report, a read reply report or to add a priority level to your message) only apply to the edited message before they are sent. The Message config. parameters are the default settings (see "Setting multimedia messages characteristics", page 33).

■ Filling in the multimedia message card fields

When in the Multimedia card (see "Writing and sending a multimedia message" above) the following fields have to be filled in:

To

You can send your message to several people (main addressees plus 'Copy to' addressees). Please check the maximum number with your service provider.

► **1** Selecting **OK** gives direct access to the phonebook.
   2 Choose one of the displayed names or select **New** if you want to send your message to another mobile number or e-mail address (directly type the number or address in). You can also press any of the 0 to 9 keys to type a new phone number or an e-mail address.
   3 Select an empty item **[...]** to add another addressee or select **Valid.** to get back to the Multimedia card.

⚠ 1. If the selected phonebook card contains several data you are requested to choose one from the stored numbers or e-mail addresses (e.g. home number, e-mail address,...).
2. If a name is already stored in the 'To' list, pressing OK or one of the 0 to 9 keys again displays an Options list (Modify: to change the selected number or e-mail address; New entry: to select a new name from the name list; Delete and Delete all.)
3. To add names in the Copy to field, the process is the same as for the To field.

Subject

Type in your message subject text (40 characters max.). Please see "Entering text", page 22.

⚠ The subject text is displayed in the message notification sent to the addressee (if supported by the addressee's mobile).

Content

The following screen is displayed (it allows you to edit your message pages):

Displayed symbols (upper part of the screen):

◀	The previous page can be reached by pressing the left arrow key.
▶	The next page can be reached by pressing the right arrow key.
➕	One or several pages can be added next by pressing the right arrow key.
04Kb	Estimated message size (displayed dynamically while composing the message).
01/03	Current page number.
🎵🎵	A melody is attached to the current page.
👓	A speech note is attached to the current page.

The blue squared field shows the active field (Pictures or Text fields). Press the down arrow key to scroll to the next field and select **OK** to edit it.

To attach an image

You can attach images to your Multimedia message. These images have to be .jpg, .gif (animated or not animated), or .wbmp.
The size of the Multimedia messages you can send is operator dependent. However, by default, the maximum size cannot exceed 50 kB.

► **1** When on the picture field press **OK**.
2 Select one of the available pictures from the list and press **OK** or press **Options** then **Camera** to take a new picture.
The selected image is partly displayed in the picture field.

⚠ 1. You can send any of the Pictures list images unless the file is copyright protected (the 'File protected' message is then displayed).
2. The 'No picture' item from the Pictures list allows to delete the current page image.
3. 'Too many data for message sending' is displayed on image selection if its size exceeds the message sending capacity.

To attach a melody or a speech note

You can attach melodies and speech notes to your Multimedia message.
The size of the Multimedia messages you can send is operator dependent. However the maximum size cannot exceed 50 kB.

► **1** When on the picture field or on the text field, select **Options**.
2 Select **Add sound** then select **Melodies** or **Speech notes**. Select the required melodies or speech note in the displayed list.
The selected melody or speech note is attached to the message and the 🎵🎵 icon is displayed.

⚠ 1. You can send any of the Melodies or Speech notes unless the file is copyright protected (the 'File protected' message is then displayed).
2. 'Too many data for message sending' is displayed on melody or speech note selection if its size exceeds the message sending capacity.

To write text

► **1** Select the text field.
2 Type in your page text (240 characters per page max.): please see "Entering text", page 22.
Press **OK** or select **Models** (left softkey), then choose one of the displayed messages.

⚠ 1.'Too many data for message sending' is displayed on text insertion if its size exceeds the message sending capacity.
2. You can amend the Models text once you have selected one.
3. You cannot insert a Chinese text moded if your mobile edition mode is set to English.

To edit and modify the page contents

▶ **1**   Select **Options**. The following list is displayed:

OPTION	ACTION
Validate	To validate the informations of the Content field and get back to the message composer.
Page options	To modify the text colour, the background colour and set the page timer (default timer = 3 seconds). The timer allows to set the time the page is displayed before switching to the following one.
Add sound	To add a melody from the Melodies list or a speech note from the Speech notes list.
Remove sound	To delete the page attached Melody or Speech note.
Invert layout	To invert the text and the image location on the page.
Insert page	To insert a new page or duplicate the current page (9 pages maximum).
Delete page	To delete the current page.
Preview message	To view the full message contents.

⚠   1. The 'Too many data for message sending' message is displayed on image, melody, speech note and text selection if the size of the selected file exceeds the message sending capacity
2. The 'validate' option is not available when you only have one empty page in your Content field.
3. The contents of this Options menu depends on the contents of the current page.

2   Select **Exit** to come back to the composition of the MMS or select **Validate** to come back to the card fields.

⚠   Do not forget to check the message size before sending it (see the estimated size in the right upper corner of the screen).

To add one or several pages

▶ **1**   Press the right arrow key on the last page of your message.
2   Select **New page**.

or

▶ **1**   Select **Options**.
2   Scroll down to **Insert page** and press **OK**.
3   Select **New page**.

⚠   A Multimedia message can be up to 9 pages.

To duplicate a page

You may need to duplicate a page in order to modify its contents for instance. The new page bears the same characteristics (e.g: text colour) which allows to save time when writing a Multimedia message.

▶ **1**   Press right arrow key on the last page of your message.
2   Select **Duplicate page**.

or

▶ **1**   Press **Options**.
2   Scroll down to **Insert page** and press **OK**.
3   Select **Duplicate page**.

To delete the page content

▶ **1**   Select **Clear** to come back to an empty Multimedia card.

⚠   If the selected page is already empty selecting Clear leads to the 'Delete page' action.

Copy to

Please see the 'To' section above.

Name card

The name card field allows to attach a copy of a vcard to the multimedia message.

> 1   Select the **Name card** list
>
> 2   Select a name in the phonebook. A copy of the vcard is then attached to the message

⚠ 1. If there is already an attached vcard, pressing OK displays the Modify and Delete options.
2. The selected card is automatically renamed if it contains Chinese characters.

Preparing the phone to send MMS messages

The Multimedia Message service is subscription and network dependent. The operator profile details may already be stored on your mobile. If not, please contact your service provider to get them.
The profile list can contain up to 3 MMS profiles. A profile is a list of parameters that allow MMS connections via a specific gateway.

To enter and store the profile details

You can only register profile details if you have previously registered profiles in the Connection manager menu (see "Connection manager", page 72):

> ► 1   Press **OK**. Select **Messages**.
>
> 2   Select **Multimedia messages**.
>
> 3   Select **Settings**.
>
> 4   Select **MMS profiles**.
>
> 5   Choose an empty profile (**[...]**) and press **OK**.
>
> 6   Enter the profile name and press **OK**.
>
> 7   Select **Message centre**. Select **List** to select one of the available home page addresses or the http:// and https:// root address, or type in the URL address. Press **OK**.
>
> 8   Select **Connection profiles**. Enter the requested information (the GSM connection and GPRS connection fields are linked to the Connection manager and thus allow to pick one from the displayed list - see "Connection manager", page 72). Select **Save** to store the data.
>
> 9   Select **Gateway settings** and type in the IP address.
> The sending and receiving of MMS is now possible.
>
> 10   Select **Advanced settings** and fill in the required fields.

⚠ 1. All the requested parameters are obtainable from your network operator and/or Wap™ provider.
2. The phone number or access point name, the login and the password are to be stored in the Connection Manager (see Table , page 72).
3. Access to the content of the MMS profile may depend on the pre-programmation of the settings. The connection settings menu may not be available in some cases. These settings may be 'Locked' (operator dependent) and not be user programmable.
4. Your service provider may require to have the security context reset. Select Yes.
5. For more information on the Advanced settings please refer to "Advanced settings on Wap™ profiles", page 59.
6. The Validity period for an MMS is the maximum time the message is available on the network before it can be retrieved by the addressee. The validity period is set to Maximum by default. This fearture is present in the Advanced settings (page 59).

Setting multimedia messages characteristics

Before sending a message you can determine whether or not you want to receive a delivery report, a read reply report (to confirm your message and its contents were read by the addressee) and to set a priority degree (high, normal or low) to your message.

> ► 1   Press **OK**. Select **Messages**.
>
> 2   Select **Multimedia messages**.
>
> 3   Select **Settings**.
>
> 4   Select **Message config.**
>
> 5   Enter the required information and select **Save** to store your settings.

⚠ The availability of this menu and of its contents is operator dependent.

Message auto-retrieval

You may choose whether or not the Multimedia messages should be automatically retrieved from the network on notification receipt.
The auto-retrieval modes are the following:

On	The Multimedia message is automatically retrieved from the network on notification receipt.
On (with query)	The 'retrieve new multimedia message ?' question is displayed on notification receipt, thus allowing you to choose whether or not to retrieve the message.
Off	This is the default mode. A notification is received by the mobile (it is automatically stored in the inbox) and an information message or icon is displayed on the stand-by screen. You can then choose whether or not you wish to retrieve the message content from the server (select Options/Retrieve message).

To select the retrieval mode:

▶ 1 Press **OK**. Select **Messages**.
2 Select **Multimedia messages**.
3 Select **Settings**.
4 Select **Auto-retrieval**.
5 Choose the required retrieval mode and press **OK**.

⚠ 1. The availability of this menu is operator dependent.
2. Even if the Auto-retrieval mode is On, the message are not automatically retrieved if your mobile is on roaming mode or if it cannot attach the network
3. A message can be retrieved automatically (Auto retrieval is On) if the mobile is on standby state only.

Sending messages from the outbox

The Outbox folder contains the stored and sent messages (delivered or undelivered). These messages can be selected from the Outbox menu and can be resent as new MMS messages.
To select one of these messages:

▶ 1 Press **OK**. Select **Messages**.
2 Select **Multimedia messages**.
3 Select **Outbox** and use up or down arrow key to scroll to the required message.
4 Press **Options** to get to **View**, **Delete**, **Delete all**, **Send**, **Forward**, **Numbers & e-mails** (to store or call the number(s) and/or e-mail address contained in the MMS header) or **Details**.

⚠ 1. You cannot modify the contents of a Multimedia message stored in the Outbox.
2. An 'Attachment' option is available while viewing the selected message. You can then store the message attached files

Editing multimedia messages from the drafts folder

The Drafts folder contains the stored unsent messages. These messages can be selected from the Drafts folder and can be modified and sent.
To select one of these messages:

▶ 1 Press **OK**. Select **Messages**.
2 Select **Multimedia messages**.
3 Select **Drafts** and use the up or down arrow key to scroll to the required message.
4 Press **Options** to **Delete**, **Delete all**, **Send**, **Edit**, **Edit a copy**, **Preview message**, or **Numbers & e-mails** (to store or call the number(s) and/or e-mail address contained in the MMS header).

⚠ 1. Once you have sent one of the Drafts messages it is automatically erased from the Drafts folder.
2. You can use any of the Drafts messages as a template via the 'Edit a copy' option. The selected message is not deleted when its copy is sent.

Storage consumption

Please see "Storage consumption", page 27.

e-mails

Your mobile allows to send and receive e-mails. The e-mails can bear text, images, sounds, vCard and vCalendar as attached files. The maximum total size for the attached files is 1024 kB. Please read the following instructions to configure your e-mail system and use the e-mail sub-menu.

You can reach the e-mail menu via two ways:

▶ **1** From the standby display select **Message** then select **e-mail**.

⚠ The availability of the Message softkey is operator dependent.

or:

▶ **1** Press **OK**, select **Message**.
  2 Select **e-mail**.

■ Reading a received e-mail

To read your e-mails you first need to retrieve them. There are three different ways to retrieve your e-mails.
From the e-mail main menu:

▶ **1** Press **OK**. Select **Messages**.
  2 Select **e-mail**.
  3 Select **Retrieve e-mails** to get your new messages.

From an empty Inbox:

▶ **1** Press **OK**. Select **Messages**.
  2 Select **e-mail**.
  3 Select **Inbox**, press **Retrieve** to get your new messages.

From the Inbox when it already contains e-mails:

▶ **1** Press **OK**. Select **Messages**.
  2 Select **e-mail**.
  3 Select **Inbox** to display the e-mails list. Select **Options** and select **Retrieve e-mails** to get your new messages.

The retrieved messages are automatically stored in the Inbox.

▶ **1** Press **OK**. Select **Messages**.
  2 Select **e-mail**.
  3 Select **Inbox** to display the e-mails list. Use the arrow keys to scroll up and down and reach the message you want to read.
  Select **Options** to get to the following options list:

OPTION	DESCRIPTION
Retrieve e-mails	To launch a connection and retrieve all the available e-mails from the server (according to the free memory space on the mobile).
View	To view the selected e-mail body.
Reply	To write a reply e-mail and send it to the original e-mail sender.
Reply all	To write a reply e-mail and send it to all the addresses contained in the original e-mail.
Delete	To delete the current e-mail.
Delete all	To delete all the e-mails stored in the Inbox.
Forward	To transfer the current e-mail to another or several addressee(s).
e-mail addresses	To view (and eventually store) all the e-mail addresses contained in the current e-mail.
Attachments	To view or play (and eventually store) the e-mail attached files.
Details	To view the e-mail details (size, date, etc.).

4 Select **OK** or **Options**/**View** to read the message.

⚠ 1. You can also retrieve your e-mails from the network by directly selecting Retrieve (left softkey) from the e-mail sub-menu.
2. You cannot modify the contents of a received e-mail.
3. e-mails bearing an attachment file are shown by the ✉• symbol. The 🖳• symbol is displayed when the file and its attachments were read.

Unread messages are shown by ✉ and the text is bold. Messages that have already been read are shown by 🖳.

■ Composing an e-mail

To write an e-mail please follow these steps:

▶ **1** Press **OK**. Select **Messages**.
2 Select **e-mail**.
3 Select **Write new**.
4 Highlight the **To** field. Press **OK** and select one of the available names from the displayed list or select **More...,** then type the required e-mail address. Press **Valid.**
5 Highlight the **Subject** field. Press **OK** and type in the e-mail header text (40 characters maximum). Press **OK**.
6 Highlight the **Text** field. Press **OK** and type in the e-mail text (maximum 1530 characters). Press **OK**.
7 Highlight the **Attached files** field if you want to add a melody, an image, a phone card, a diary event or a speech note to your message. Press **OK** then select Picture, Melody, Speech note, phonecard or Other and choose one of the available files. Press **Valid.**
7' If the **Attached files** field already contains a file: press **OK** to enter the attached file list. Then press **OK** and select **New selection** to attach a new Picture, Melody, Speech note, phonecard or Other and choose one of the available files. Press **Valid.**
8 Highlight the **Cc** field. Press **OK** and select one of the available names from the displayed list or select **New,** then type the required e-mail address. Press **Valid.**

⚠ 1. In the attached field an option menu (available through the OK key) allows to make a New selection, Delete, Delete all, Details and get an estimated size.
2. You can check the size of the Attachments by selecting OK then Estimated size while in the Attached files screen.

While writing your e-mail, you can at any time get to the Options menu:.

OPTION	DESCRIPTION
Send	To send the e-mail.
Send & store	To store then send the e-mail.
Store	To store the e-mail as a draft.

■ Settings

Preparing the phone to send e-mails

Before receiving or sending e-mails the Connection parameters must be stored in the phone. If they are note stored by default on your mobile please contact your e-mail service provider to get them.
The Profiles list can contain up to 3 e-mail profiles. A profile is a list of parameters that allow e-mail connections via a specific gateway.

To enter and store the profile details

You can only register profile details if you have previously registered profiles in the Connection manager menu (see "Connection manager", page 72):

► 1 Press **OK**. Select **Messages**.
2 Select **e-mail**.
3 Select **Settings**.
4 Select **Profiles**.
5 Choose an empty profile (**[...]**) and select **New** or press **OK**.
6 Enter the profile name and press **OK**.
7 Select **Connection profiles**. Enter the requested information (the GSM connection and GPRS connection fields are linked to the Connection manager and thus allow to pick one from the displayed list - see page 72). Select **Save** to store the data.
8 Select **Server settings**. Enter the requested information (POP3 server, POP3 port number, SMTP server and SMTP port number). Select **Save** to store the data.
9 Select **Account Information**. Enter your e-mail address, mailer login and mailer password. Select **Save** to store the data.

⚠ 1.All the requested parameters are obtainable from your e-mail service provider.

2. The phone number or access point name, the login and the password have to be stored in the Connection Manager (see Table , page 72).
3. A profile name cannot be stored twice. If an error message is displayed please also check the profile names in the Connection profiles (see Table , page 72).
4. Access to the content of the e-mail profile may depend on the pre-programmation of the settings. The connection settings menu may not be available in some cases. These settings may be 'Locked' (operator dependent) and not be user programmable.
5. For more information on the Advanced settings please refer to "Advanced settings on Wap™ profiles", page 59.

Maximum size

This feature allows to choose the maximum size for the e-mails and attached files received in the inbox. The maximum size can be modified (from 1kB to 1024kB).
To set a maximum size value:

► 1 Press **OK**. Select **Messages**.
2 Select **e-mail**.
3 Select **Settings**.
4 Select **Maximum size**.
5 Type in the maximum e-mail size you wish to retrieve from the server.

⚠ The e-mail size is checked before it is downloaded on your mobile. If it exceeds the maximum size stored in the 'Laximum size' field the e-mail is not downloaded on your mobile.

■ Sending an e-mail from the outbox

The Outbox folder contains the stored and sent e-mails (delivered or undelivered). These e-mails can be selected from the Outbox menu and can be resent as new e-mails.
To select one of these e-mails:

► 1 Press **OK**. Select **Messages**.
2 Select **e-mail**.
3 Select **Outbox** and use the up or down arrow key to scroll to the required message.
4 Press **Options** to **View**, **Delete**, **Delete all**, **Send**, **Modify**, **e-mail addresses** (to store the e-mail address contained in the e-mail header) or **Details**.

⚠ You cannot modify the contents of an e-mail stored in the Outbox.

■ Editing e-mails from the drafts folder

The Drafts folder contains the stored unsent e-mails. These e-mails can be selected from the Drafts folder and can be modified and sent.
To select one of these e-mails:

▶ **1** Press **OK**. Select **Messages**.
2 Select **e-mail**.
3 Select **Drafts** and use up or down arrow key to scroll to the required message.
4 Press **Options** to **View**, **Delete**, **Delete all**, **Send**, **Modify**, **e-mail addresses** (to store the e-mail address contained in the e-mail header) and **Details**.

⚠ 1. Once you have sent one of the Draft messages this message is automatically erased from the Drafts folder.

2. You can use any of the Draft messages as a template via the 'Edit a copy' option. The selected message is not deleted when its copy is sent.

■ Storage consumption

Please see "Storage consumption", page 27.

CALLS & TIMES

Access the **Calls & Times** menu to check the details of individual incoming and outgoing calls, the duration of the latest call, the total call time for all sent and received calls or to play the recorded calls.

■ Calls log

This feature stores details (identity, time and date and call duration) on the latest 20 numbers dialled, the latest 20 unanswered calls and the latest 20 received calls. The calls log are common to Line 1 and Line 2 (Line 1 is your main line. Line 2 availability is subscription dependent).

▶ 1 Press **OK**. Select **Calls & Times**.
 2 Select **Calls log**.
 3 Select **Last dial**, **Unanswered calls** or **Received calls**.
 4 Use the up or down arrow key to scroll through the calls list.

The latest dialled or received number is displayed first. The caller's name is displayed if it is registered in one of the phonebooks (if not the phone number is displayed). If your subscription does not bear Caller Line Identification (CLI) 'Unknown number' is displayed. If the caller has with held their number 'Witheld number' is displayed.
Press the call key to call the selected number.
Press **Options** to get to the following menu:

ITEM	ACTION
Store	To store the number into a phonebook.
Delete	To delete the entry.
Delete all	To delete all the entries.
Edit	To edit the displayed number.
Details	To view the name, number, time and date and call duration (for answered calls only) of the selected number.
Call	To call the selected number.
Send SMS	To send an SMS message to the selected phone number.

Use the up or down arrow key to select the required option and follow the displayed instructions.

⚠ Press the call key from the standby display to get direct access to the 10 latest dialled numbers.

■ Call timers

The voice, Modem and GPRS call information for Line 1 and Line 2 is stored in the **Call timers** menu.
The **Details** sub-menu stores time information on calls made and received via the home network and while roaming (national and international networks).

▶ 1 Press **OK**. Select **Calls & Times**.
 2 Select **Call timers**.
 3 Select **Show**.
 4 Use the up or down arrow key to view all the timer information.

⚠ If the call timers were reset (see "Call timer - reset," page 40) the date of the latest counter reset is displayed

The call type and the accumulated times of outgoing and incoming calls are displayed.
Selecting **Details** displays information on calls made on your home network, on National roaming and on International roaming.

⚠ If Line 2 is active too 'All Calls' for Line 1 and Line 2 are displayed separately.

Balance information (subscription dependent)

This service may be supplied by your service provider. It allows to get the remaining airtime balance on your phone line.
Please contact your service provider for more information. If your subscription allows access to this information:

▶ 1 Press **OK**. Select **Calls & Times**.
2 Select **Call timers**.
3 Select **Balance information**.
4 Select **Call** or **Set number**.

When selecting **Call**, if the balance information number is already stored, a call is sent to the balance information centre. If no number is stored a screen with a number composer is displayed, enter the required number and press **OK**. Your can also select **Set number** and type it in. Press **OK** to store the number, then select **Call** to call the information centre number.

Reminder - call duration

You can set a duration reminder to regularly beep to remind you of the time spent on your call. The occurrence can be any multiple of 1 minute (up to 59 minutes).

▶ 1 Press **OK**. Select **Calls & Times**.
2 Select **Call timers**.
3 Select **Reminder**.
4 Select **On** to activate the Call timer.
5 Type the call timer interval (e.g.: 2 = a beep is played every 2 minutes while in conversation).
6 Press **OK** to validate the entry.

Call timer - reset

This feature allows to reset the call timers. The 4 digit lock code is needed to reset the call timers (default lock code: '0000').

▶ 1 Press **OK**. Select **Calls & Times**.
2 Select **Call timers**.
3 Select **Reset**.
4 Select **Yes**.
5 Enter the phone lock code and press **OK**.

■ Call costs - management

Some service providers offer an Advice of Charge (AoC) subscription service allowing to get the last call cost, the total calls cost and the remaining balance on your account (after you have set a 'credit limit').
To display these you first have to set a currency value and to enter an average cost per unit (only calls units are displayed if the cost information is not stored).

To set a currency value per unit:

► **1** Press **OK**. Select **Calls & Times**.
  2 Select **Call costs**.
  3 Select **Display cost type**.
  4 Select **Currency**. The current currency unit value is displayed.
  5 Select **Modify**. Enter your PIN 2 code and press **OK**.
  6 Enter the currency name (up to 3 letters). Press **OK** to validate.
  7 Enter the unit cost (e.g.: 0.15 Euro per minute). And press **OK** to validate.

To set call cost type to units:

► **1** Press **OK**. Select **Calls & Times**.
  2 Select **Call costs**.
  3 Select **Display cost type**.
  4 Select **Units**.

⚠ When the cost type is set to units the credit limit and the remaining credit are shown in units.

Setting the credit limit (subscription dependent)

You may also be able to set a credit limit to your calls. When the credit limit is reached no more chargeable outgoing or incoming call is allowed. You can however still make emergency calls. The PIN2 code is needed to set the credit limit.

► **1** Press **OK**. Select **Calls & Times**.
  2 Select **Call costs**.
  3 Select **Credit limit**. The display shows the current set credit limit.
  4 Select **Edit**. Enter your PIN 2 code and press **OK**.
  5 Enter the credit limit (use ⌗ to type a decimal point for currencies). Press **OK** to validate.

⚠ When a credit limit is set the selection from the 'Credit limit' display is Edit or Set no limit.

Show costs

► **1** Press **OK**. Select **Calls & Times**.
  2 Select **Call costs**.
  3 Select **Show**.
  4 Use up and down arrow keys to display the **Last Call** and **All Calls** or show the **Remaining credits**.

⚠ The remaining credit is shown in either units or currency as set by Cost Type menu above.

Call costs - resetting all costs to zero

To reset all call costs to zero:

► **1** Press **OK**. Select **Calls & Times**.
  2 Select **Call costs**.
  3 Select **Reset**.
  4 Select **Yes**.
  5 Enter the PIN 2 number and press **OK**.

Alternate line service - selecting line 2 (subscription dependent)

Some operators support the use of a second line. You may then have two mobile phone numbers (e.g. a business line plus a personal line). To use them you need to select the line to be used.

▶ 1   Press **OK**. Select **Calls & Times**.
   2   Select **Line selection**.
       The current line selection is displayed.
   3   Use up and down arrow keys to scroll to the required line. Press **OK** to validate.

⚠   1. The Line selection sub-menu may not be available on your mobile. Please contact your service provider to get further details on this service.
   2. Line 1 and Line 2 can be named (Office and Home for instance). Refer to My number menu (see "My number(s) display," page 47). Whichever line is selected to send calls, incoming calls can still be received on either line.

■ Recorded call

This submenu allows to play the recorded phone calls. If several phone conversations were recorded they are played one after another.

▶ 1   Select **Calls&Times**, select **Recorded call.**

In compliance with European regulations, you have to inform your correspondent before recording a phone conversation.

PHONEBOOK

Phone numbers can be stored in the phone and in the SIM card memories (= phonebook). The phone memory can store up to 255 'extended' cards (called 'phonebook cards'). These cards allow to store several types of information: family name, first name, home number, mobile number, work number, two e-mail addresses, postal address, business information, voice tag, group and a related icon or picture. The SIM card memory capacity may vary according to your operator or service provider. The SIM memory allows to store one name, one phone number and one voice tag per card.

Both the SIM and the phone memories are searched through when reading the Phonebook contents.

⚠ Press left arrow to directly get to the phonebook from the standby display.

◼ Storing names and telephone numbers

Names and numbers can be stored directly in the phonebook or copied from different sources such as SMS messages, last dialled number list, etc.
There are several ways to store numbers into the phonebooks:

Phone names card

From the standby display:

▶ 1 Enter the number. Select **Store**.
2 Select **Phone names**.
3 The **Home number**, **Mobile number**, **Work number** or **FAX number** list is displayed, thus allowing to choose a number type.
4 Enter the card requested data and select **Save** to store the information.

Via the menu:

▶ 1 Press **OK**. Select **Phonebook**.
2 Select **Add name**.
3 Select **Phone names**.
4 Enter the card requested data and select **Save** to store the information.

⚠ The Groups field allows to identify the caller's type according to entries you have previously set (see "Creating a group of cards", page 46).
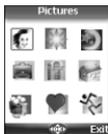
The icons list allows to store your card with a symbol or an image that is then displayed together with the caller's name on incoming or outgoing calls (choose one of the icons and press ok).

The 🔗 icon leads to the Pictures list. You can thus choose one of the registered images (please see "Pictures", page 62) and link it with your phone card.

⚠ 1. You can link about 100 images with your phonebook cards. If the images folder is full (images too big) an error message is displayed.
2. The images remain attached to the phonebook cards even if you have deleted them from the Pictures folder memory. You can modify or delete them one after another via the phonebook cards (see "Editing a phonebook or a SIM name card", page 44).
3. When sending a phonebook card via the infrared port, the image is automatically sent unless the file is protected.
4. The Image failure icon is displayed on incoming or outgoing calls if a problem related to the image was detected by the mobile.

SIM names card

From the standby display:

▶ **1** Enter the number. Select **Store**.

2 Select **SIM names**.

3 Fill in the available fields and select **OK** to validate your entries.

4 Select **Save** to store the card.

Via the menu:

▶ **1** Press **OK**. Select **Phonebook**.

2 Select **Add name**.

3 Select **SIM names**.

4 Enter the name and select **OK**.

5 Enter the number and select **OK**.

6 Select **Save** to store the card.

Storing a received number

Numbers stored in the last dialled, received, unanswered call information and SMS message locations can also be stored into the phonebook:

▶ **1** With a received call, unanswered call or SMS message select **Options**.

2 For a SMS message select **Numbers** if the number is contained in an SMS. The message number(s) is/are displayed. Choose one if several numbers are available.

2' For received and unanswered calls select **Store**.

3 Follow the above mentioned procedure to create a phone name or a SIM name card then select **Save** to store the card.

⚠ 1. While entering a number selecting Clear once deletes the last character. Holding the Clear key deletes the whole number.
2. The *, +, p (pause) and _ characters- which are accessible by pressing and holding the ✳ key when registering a number - can be stored as part of numbers.
3. You can use _ (wild card spaces) to store numbers (wild card spaces cannot be obtained when registering a number from the standby display).
When calling a number bearing wild card spaces select the number from the phonebook, select Options or press on the Call/Send key and type the number corresponding to the wild card spaces (=missing figures).
4. If the SIM card or phone memory are full a warning message is displayed on phonebook selection.

Copying all names and numbers

When consulting your phonebook for the first time teh 'Copy all SIM names to phone?' message is displayed. Select Yes.
You can copy all the names cards: from the Phone to the SIM card and from the SIM card to the Phone.

▶ **1** Press **OK**. Select **Phonebook**.

2 Select **Read**.

3 Select **Options**.

4 Select **Copy all names**.

5 Select **Phone to SIM** or **SIM to phone**.
All the names are copied unless the SIM card memory does not bear enough free space when copying the Phone entries to the SIM card. A warning message is then displayed.

⚠ If your Phonebook cards bear more than one number (home, mobile, work, fax numbers), the first available number from the list is copied to the corresponding SIM card entry.

■ Editing a phonebook or a SIM name card

From the standby display:

▶ **1** Press left arrow to get to the phonebook.

2 Scroll down to the card you want to reach and select **OK**.

3 Scroll down to the field(s) you want to modify and amend it/them. Select **Save** to store the changes.

Via the menu:

► **1** Press **OK**. Select **Phonebook**.
  2 Select **Read**.
  3 Select one of the stored cards.
  4 Select **Options**.
  5 Select **View**.
  6 Scroll down to the field(s) you want to modify and amend it/them. Select **Save** to store the changes.

You can create a voice dialling pattern on phonebook cards. This voice dialling pattern can only be recorded in edition mode.

Recording a Voice dialling pattern:

► **1** Press the left arrow key (from the standby display) to get to the phonebook.
  2 Scroll down to the card you want to reach and press **OK** or select **Options** then select **View**.
  3 Scroll down to the **Voice dialling** field and press **OK**. Select **New** to record the voice pattern or select **Options** then **Record** if a voice pattern is already recorded and you want to change it. Repeat the name until it is stored (minimum = twice). Pronounce it as clearly as possible and in a quiet environment. When the voice patterns match, **Stored** is displayed.

⚠ You may have to select the number, the voice dialling pattern has to be attached if several numbers are stored on the card. Select Home number, Mobile number or Work number if you have registered several numbers on a phonebook card.

■ Viewing and calling phonebook numbers

There are two ways of viewing and calling entries stored in the phonebook:

Directly from the standby display:

► **1** Press the left arrow key to display the phonebook list.
  2 To access the required name the following possibilities are available:
  3 Press the call key or select **Options** then select Call.

Via the menu:

► **1** Press **OK**. Select **Phonebook**.
  2 Select **Read** to display the phonebook list, to find the required name there are several possibilities:
  3 Press the call key or select **Options** then select Call.

Tips and operations (while on the phonebook list):

KEY	ACTION
⌃	To access the previous name.
⌄	To access the next name.
✱	To go one page up.
#	To go one page down.
① **to** ⑨	Press a numeric key to access the different letters associated to the key. E.g: press ② twice to reach the names starting with letter 'B'.

The list of phonebook entries is displayed in alphabetical order.

⚠ 1. Selecting a group from the Group selection displays the names/phone numbers of the corresponding group. This group is then displayed when next reading the Phonebook contents.
2. Selecting Options displays the following menu choice: View, Call, Add name, Delete, Delete all (Phone names or SIM names), Copy, Copy to (to copy all SIM names to phone book or all phone names to SIM book), Move, Group selection (to select All names, the Phone names only, the SIM names only or the groups members), Send by... Infrared port, SMS or e-mail, Send a message...
3. If several phone numbers are stored on a Phone name card scroll down to the required number and select it before launching the call.

■ Voice dialling

You can make a call by using your voice.
To create a voice pattern:

▶ **1** Press **OK**. Select **Phonebook**.
2 Select **Voice dialling**.
3 Select **New entry**. All name entries are displayed.
4 Use the up and down arrow keys to choose the card you want to use and press **OK**.
If several phone numbers are registered on a card (e.g. **Home number**, **Mobile number** or **Work number**) choose one by pressing **OK**.
5 You are then prompted to pronounce the name twice at the minimum (pronounce it as clearly as possible). **Stored** is displayed when both voice patterns match.

⚠ If the voice patterns do not match, 'Failed' or 'Too different' is displayed.
Go over the whole voice registration procedure again.

To view the voice dialling numbers list:

▶ **1** Press **OK**. Select **Phonebook**.
2 Select **Voice dialling**.
3 Select **List**.
4 Use the up and down arrow keys to view the requested entry.
5 Press **Options** to play the voice pattern select **Play back**, to remove voice tag from the voice dialling list select **Erase** or to create a new voice pattern select **Record**.

To remove all phone numbers from the voice dialling list:

▶ **1** Press **OK**. Select **Phonebook**.
2 Select **Voice dialling**.
3 Select **Delete all**.

To call a phone number using a voice pattern:

▶ **1** From the standby display press and hold the call key.
2 Pronounce the name as clearly as possible.
3 The 'call-name' question tag is displayed. You can cancel the call (left softkey) or wait until the called party name as well as an animated icon ⁌⁌ are displayed so that the call proceeds as normal.

■ Free space in the phonebook

To view the phonebook remaining capacity:

▶ **1** Press **OK**. Select **Phonebook**.
2 Select **Storage used** to get to the Phone names Storage used; press the down arrow key to get to the SIM card Storage used.

⚠ If available the free memories in the FDN list are also displayed. Please see "Fixed dialling numbers", page 48 for more information on FDN numbers.

■ Creating a group of cards

Groups of cards can be defined for the phonebook. This feature allows to gather the cards that belong to a selected group and to play a determined melody on an incoming call from one of the group members.
To create a group:

▶ **1** Press **OK**. Select **Phonebook**.
2 Select **Groups**.
3 Choose any blank template **[...]** and select **OK**. The following items are displayed:

ITEM	FUNCTION
Group name	To type and store a group name.
Melody	To select a melody to be used as a ringtone on group member calls.

4   Enter or select the requested data. Press **OK** to validate.

5   Press **Save** to store the defined group.

Groups characteristics can be modified or deleted (when in the Groups menu, select OK to amend the settings or select Delete to erase the group).

To modify a group:

▶ 1   Press **OK**. Select **Phonebook**.

2   Select **Groups**.

3   Choose the group to be modified and select **OK** then select the group name and/or the melody. Select the new parameters (name/melody).

4   Select **Save** to store your settings.

To select a group when storing a number:

▶ 1   Go over the Phone names storage procedure (see "Storing names and telephone numbers", page 43) and fill in the Phone names card.

2   Scroll down to **Groups** and select **OK**.

3   Select one of the displayed groups from the list.

4   Select **Save** to store your settings.

⚠️   Groups can only be set for the Phone names cards (not for the SIM names cards).

■ My card

My Card is a specific storage location where you can enter personal data. You can easily access My card and send its contents to another device via the infrared port or SMS.

My Card contents is identical to the phone cards contents except for the Groups and Voice dialling fields.

To enter My Card data set:

▶ 1   Press **OK**. Select **Phonebook**.

2   Select **My Card**.

3   Select **View** and enter the requested information just as in any phonebook card (validate each entry by selecting **OK**).

4   Select **Save** to store your card.

To send My Card via the Infrared port, by SMS and by e-mail:

▶ 1   Press **OK**. Select **Phonebook**

2   Select **My Card**.

3   Select **Send by...** then select **Infrared port**: the infrared port automatically opens and sends the card. Or select **SMS** or **e-mail**, then enter the mobile number to send the card to or choose it from the **Names** list and press **OK**.

⚠️   Press and hold the up arrow key from the standby display to directly get to Send my card by... Infrared port/ SMS/e-mail.

■ My number(s) display

The phone can display your main line (Line 1) mobile number, the mobile number for Line 2 (Alternate Line Service) and your data and fax numbers (these are SIM card dependent). These numbers may be stored in the SIM card. You can also manually enter them.

To view, name and edit your own number(s),

▶ 1   Press **OK**. Select **Phonebook**.

2   Select **My numbers**. The mobile number for Line 1 is displayed if it is stored in the SIM card. If not, select **Edit** and type your number and your name in (select **OK** to save the entered information).

3   Scroll down to view or enter Line 2, your fax and data numbers.

⚠️   1. Line 2, data and fax numbers can only be reached if your SIM card bears such subscriptions.
2. My numbers availability depends on your service provider.

■ Fixed dialling numbers

Fixed dialling is a feature that restricts outgoing calls to 'fixed' numbers or 'prefixes' contained in SIM cards that support this feature. When the Fixed Dialling Numbers (FDN) feature is activated, dialling numbers, diverting calls and sending SMS to numbers not registered in the FDN list is forbidden. The number of FDN entries to be stored depends on the SIM card capacity. Activating the FDN feature or registering numbers into the FDN list is PIN 2 protected (contact your service provider to get the PIN 2 number).

The following menu (Fixed dialling) and operations are only available on your mobile if your SIM card allows fixed dialling.

To activate or deactivate FDN operation:

► 1   Press **OK**. Select **Phonebook**.
  2   Select **Fixed dialling**. Select **Status**.
  3   Select **On** or **Off**. Enter the PIN2 number.
  4   Select **OK** to validate.

⚠   The Fixed dialling sub-menu may not be available on your mobile. Please contact your service provider for further details.

To view the numbers stored in the FDN list:

► 1   Press **OK**. Select **Phonebook**.
  2   Select **Fixed Dialling**.
  3   Select **View** to view the FDN list entries. Pressing **Options** allows to view, call, add a name, delete, copy or move numbers to the phone or SIM card memory, but also send these numbers by Infrared port or SMS, or send a SMS.

To add a new number in the FDN list:

► 1   Press **OK**. Select **Phonebook**.
  2   Select **Fixed dialling**.
  3   Select **Add name**.
  4   Enter you PIN2 code and press **OK**;
  5   Fill in the displayed fields as in any SIM name card then select **Save** to store your settings.

⚠   1. Wild card spaces can be used with the numbers stored in the FDN list. E.g. number +441707 278_ _ 9 allows calls to all numbers from 278009 to 278999 to be dialled. The number can be edited and dialled from the standby display.
2. You may be asked to enter your PIN2 code.

■ Export

The purpose of the Export feature is to allow the sending of the phonebook contents to another device (e.g. a pc). You first need to export the card(s) to the Fun & Media box Others sub-menu (see "Others", page 66).

► 1   Press **OK**. Select **Phonebook**.
  2   Select **Export...**, then select **Yes.** The whole contents of the phonebook is exported and gathered in a Vcard file and stored in **Fun & Media box/Others**.

CAMERA

The camera application allows you to take pictures with your mobile. These pictures can then be used to:
- personalize your standby display, your Welcome or your Goodbye screen (please see "Setting an image as a idle screen, a welcome or a goodbye screen from the pictures folder", page 63),
- be sent to other devices (mobile phones, pc) by e-mail, MMS (see "Multimedia messages", page 29) or infrared port (see "Infrared port", page 18), match your phone cards (see "Phone names card", page 43).

You can take 3 size pictures: large (VGA: 640x480 pixels), normal (160x120 pixels) or portrait (60x80 pixels).

The use of the camera and the sending, forwarding and reproducing of the taken pictures are subject to property and privacy rights. Do not take a picture unless authorized.

■ Mobile positioning

Front:

Back:

Subject facing the mobile and looking in the mirror (1) before shooting (2).

Subject behind the mobile.
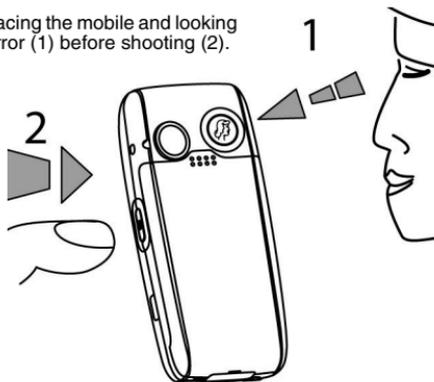
1. Please check the position of the subject on the screen is correct.
2. You can activate the Camera application directly by pressing the side key.

■ Taking a picture

From the icon menu:
▶ 1   Press **OK**. Select **Camera**.
    2   Press **OK** or press on the side key to take your picture.

From the standby display:
▶ 1   Press the side key to have direct access to the camera applications: the preview is performed on the screen.
    2   Press **OK** or press on the side key to take your picture.

Once the capture is performed the picture is displayed. You can then reach the following options sub menu:

OPTIONS	DESCRIPTION
Full view	To see the picture on full screen.
Camera	To go back to the preview screen.
Set as...	To set the picture as a Idle Screen, a Welcome or a Goodbye screen image.
Send by...	To send the picture via the Infrared port, by e-mail or by MMS.
Delete	To delete the current picture.
Rename	To change the name of the picture.
Details	To get information about the name, resolution, size, date and file protection status.
Zoom +/-	To change the full view mode to a Smaller, Medium and Larger size.

From another application:

The Camera application can be lauched from the Options menu while using other applications on the mobile. According to this application all resolution types may not be available.
The camera-reachable applications are the following:

APPLICATIONS	AVAILABLE RESOLUTION
Phonebook	portrait.
Settings (idle, welcome or goodbye screen)	portrait and normal.
Multimedia messages or e-mail	all.

To reach the camera application from the Phonebook:
▶ 1 Press **OK**. Select **Phonebook**.
2 Select **Add name**, then **Phone names**.
3 Once in the phone card, select **Picture** and select ⌐.
4 When in the picture browser, select **Options**.
5 Select **Camera**.

To reach the camera application from the Settings menu:
▶ 1 Press **OK**. Select **Settings**.
2 Select **Display**, then **Idle screen, Welcome screen** or **Goodbye screen**.
3 Scroll down to **My Picture** and select **Pictures** (left soft key).
4 When in the picture browser, select **Options**.
5 Select **Camera**.

To reach the camera application from the MMS menu:
▶ 1 From the standby display select **Message** (right softkey or Press **OK** then select **Messages**), Select **Multimedial messages**.
2 Select **Write new.** Once on the picture field press **OK**.
3 When in the pictures browser, select **Options**.
4 Select **Camera.**

To reach the camera application from the e-mail menu:
▶ 1 From the standby display select **Message** (right softkey or Press **OK** then select **Messages**), select **e-mail**.
2 Select **Write new.** Scroll down to the attached files and press **OK**.
3 Select **Picture**.
4 When in the pictures browser, select **Options**.
5 Select **Camera.**

⚠ If a call is active access to the camera is not allowed.

■ Adjusting your picture

You can adjust 4 types of settings before taking a picture: Resolution, Exposure, Brightness and Zoom. All these settings are to be done from the preview screen.

To select the picture size:

▶ 1   Use the left or right arrow keys to select the Large (VGA), Normal or Portrait mode.
    2   Press **OK** to take a picture.

To select the exposure mode:

These modes allow you to optimize the picture quality according to the context.

▶ 1   Press the up or down arrow key to get to the exposure mode selection.
    2   Use the left or right arrow to get to the Standard, Sport (moving subject) or Night (dark context) mode.
    3   Press **OK** to take a picture.

To adjust the picture brightness:

▶ 1   Press the up or down arrow key to get to the brightness setting mode.
    2   Select one of the seven brightness levels.
    3   Press **OK** to take a picture.

To adjust the zoom:

▶ 1   Use the up or down arrow key to get to the zoom mode (the zoom is not available from the Large VGA mode).
    2   Use the left or right arrow key to zoom in or out: 1× 2× 3× .
    3   Press **OK** to take a picture.

Options menu

You can set default settings on the camera application. These parameters are then automatically activated when entering the camera application:

▶ 1   Press **OK**. Select **Camera**.
    2   Select **Options** then select **Settings:**

Image resolution	Large (VGA: 640x480 pixels) Normal (160x120 pixels) Portrait (60x80 pixels)
Image quality	High, Normal and Basic
Shutter sound	1, 2, 3 (volume level).

⚠ The Shutter sound is a 'Camera-like' sound that is played on picture capture.

■ Storing/erasing your picture

When the picture is captured (see above "Taking a picture", page 49), the 'Keep this photo ?' message is displayed.

▶ 1   Selecting **Clear** then **Yes** to erase it.

The image is automatically stored in the **Fun & Media box** Pictures sub-folder (see "Pictures", page 62). It is stored as a .jpg file.

■ Self timer

The camera application allows you to take self-timed pictures.

▶ 1   Press **OK** key and then **Camera.**
   2   Press **Options.**
   3   Select **Self timer capture.**
   4   Press OK or press the side key.
   5   The capture is automaticaly performed after 10 seconds.

The 10 second countdown is displayed on the idle screen. The picture is automatically taken after the countdown the Self timer function is then automatically set to Off.

⚠   If any event occurs after the countdown has started the selftimer is set to Off. After the event was treated the mobile returns to the preview screen.

CALENDAR

The availability of this menu is network dependent. If your SIM card does not bear an access to the Network services the Calendar menu is directly accessible from the Menu icons.

Please see "Calendar", page 14 for full details.

NETWORK SERVICES

The availability of this menu is network dependent (it may not be available or be named Network services, Services,...).

Your network operator may provide value added services, information and contact phone numbers. These services and phone numbers are stored in your SIM card and appear on the phone menu as they are reachable from the **Network serv.** menu. Please contact your service provider for further details.

Some operators may provide up to two services on the same SIM card. The displayed sub-menus in the **Network serv.** menu may then be named **Applications, Services** or **Information.**

Three kinds of services can be registered in this menu:

SIM application tool kit

An automatic way to provide services related to your network. These services are SIM card dependent.

SND numbers stored in the SIM card

Up to 32 numbers may be stored in the SIM. These numbers cannot be modified or deleted.

Information numbers

A list or a menu allowing to call network or information services offered by the network.

Your mobile allows Wap™(Wireless Application Protocol) connections to access operator and/or Wap™ provided services (e.g. news, sports, weather, travel buying, etc.).
To get a Wap™ connection please make sure:
- your SIM card bears a Data subscription
- all the necessary parameters are stored into the mobile. These parameters may have been set by your operator. If not you have to enter them manually.
Please contact your service provider to check these elements and get the detailed list of parameters to be entered.

■ Storing the connection settings

The current date and time must be set before you enter any Wap™ connection setting.
The profile list can contain up to 10 Wap™ profiles. A profile is a list of parameters that allow Wap™ connections.

To enter and store the profile details

You can only register profile details via the standard mode if you have previously registered profiles in the Connection manager menu (see "Connection manager", page 72):

▶ 1   Press **OK**. Select **Wap**.
   2   Select **Settings**.
   3   Select **Wap profiles**.
   4   Choose an empty profile (**[...]**) by selecting **OK**.
   5   Enter the profile name and select **OK**.
   6   Select **Home page**. Select **List** to select one of the available home page addresses or the http:// and https:// root addresses, or type in the url address.
   7   Select **Connection profiles**. Enter the requested information (the GSM connection and GPRS connection fields are linked to the Connection manager and thus allow to pick one from the displayed list - see "Connection manager", page 72). Select **Save** to store the data.
   8   Select **Gateway settings** and type in the IP address.
   9   Select **Push parameters** (please contact your service provider to get the information to be entered). Your Wap profile is then stored.

⚠   1.All the requested parameters are obtainable from your network operator and/or Wap™ provider.
2. The phone number or access point name, the login and the password are to be stored in the Connection Manager (see "Connection manager", page 72).
3. Access to the connection settings may depend on the pre-programmation of the settings. The connection settings menu may not be available in some cases. These settings may be 'Locked' and not be user programmable.
4. You can request the activation of the security feature from the profiles list (Advanced settings / Activate security).
5. Your service provider may require to have the security context reset. Select Yes.

■ Starting a wap™ session

If several Wap™ profiles are stored, you need to select one before launching a session:

▶ 1   Press **OK**. Select **Wap**.
   2   Select **Settings**.
   3   Select **Wap profiles**.
   4   Scroll to the required profile and choose one by pressing **OK** (**Selected** is displayed).

⚠   If the profile was already selected, pressing OK directly leads to the profile contents.

To launch a Wap™ session from the idle menu:

▶ **1** Press **OK**. Select **Wap**.

2 Select **Home page**.
The Wap™ connection is then launched and the list of the available site services is displayed once the page was downloaded.
If the activated Wap™ profile is not correctly set or if your subscription does not allow you to reach the selected Wap™ site the **Not available** then **Connection failure** messages are displayed.

To launch a Wap™ session from the standby screen:

▶ **1** Press and hold the **OK** key.

2 The Wap™ connection is launched and the list of the available site services is displayed once the page is downloaded.
If the activated Wap™ profile is not correctly set or if your subscription does not allow you to reach the selected Wap™ site the **Not available** then **Connection failure** messages are displayed.

Once connected the Wap™ browser is displayed. The ✔ icon at the top of the display indicates a GSM connection. The ☞ icon is shown if your phone is connected to a GPRS network during the Wap™ session.

Getting to the options menu while online.

In the absence of **Options** while online pressing the call key during a live connection shows the following options menu:

ITEM	ACTION
Back	To go back to the previous page.
Reload	To reload the current Wap™ page.
Save...	To access the Save page, Save as bookmark, Attachments sub-menus
Home page	To go to and reload the home page.
Bookmarks	To provide immediate access to the bookmarks. You can add a new bookmark or select an existing bookmark.
Go to site...	To go to another Wap™ site.
Saved pages	To access the list of the saved pages.
Push inbox	To access the Push inbox.
Settings	Same as when offline.
Storage used	To access the statistics screen of the Wap features
Disconnect	To disconnect the browser from the network. However the browser remains active locally with the current page displayed.
Close session	To disconnect from the network, close the browser and get back to the Wap menu.

⚠ The availability of these options is operator dependent. It may also depend on the contents of the displayed page.

■ Ending the online connection

To end the Wap™ connection:

▶ **1** To disconnect press the end key or press **Options** and select **Disconnect**.

To close the session:

▶ **1** Press **End** or press **Options** and select **Close session**. Connection to the Wap™ server is then ended.

To disconnect, then close the session:

▶ **1** Press the end key twice.

■ Personalising your connection settings

The following user settings are available and enable to optimise the phone behaviour during Wap™ connection

▶ 1 Press **OK**. Select **Wap**.
 2 Select **Settings**.
 3 A list allows to select different options:

OPTION	ACTION
Wap profiles	To enter and register profile details.
Preferred bearer	To select GSM or GPRS as a default bearer when defining mixed based (GSM + GPRS) profiles. If an error is detected the other bearer is then proposed and may be used ('Use alternate connection mode?' is displayed).
My preferences	To configure the browser and allow it to display the pages in full screen mode, large, medium or small fonts, to allow or forbid pictures download and script execution in Wap™ pages, to accept or forbid cookies.
Push preferences	See "Receiving push messages", page 57.

⚠ The Preferred bearer sub-menu may not be available on your mobile (operator dependent feature).

During page browsing, security can be activated (on a https link only). This lets you continue local browsing (via the cards in the memory). When a connection to the network is needed again, a secured connection is requested to the same profile.
When the secured connection is established, the 🔁 icon at the top of the display indicates a circuit connection in secure mode. The 🔁 icon is shown if your phone is connected to a GPRS network during the Wap™ session in secure mode.

⚠ When activating the secured mode the mobile and the server undergo exchanging certificates. You may then be asked to accept this exchange.

Creating bookmarks

Bookmarks provide direct links to determined Wap™ pages. You can store direct links to these pages.
There are two ways of registering bookmarks (maximum: 20):
Directly from the standby display,

▶ 1 Press **OK**. Select **Wap**.
 2 Select **Bookmarks**. The list of bookmarks is displayed in alphabetical order.
 3 Select an empty entry (**[...]**). Select and enter the requested information in the following fields:

ITEM	ACTION
Alias	Name you want to give to your bookmark
Address	Home page address (if known)

 4 Select **Save** to store the data.

During a Wap™ session whilst viewing a page:

▶ 1 Press the call key.
 2 Select **Save**, then saved as bookmarks.

⚠ Bookmarks can be Edited or Deleted from the Bookmarks item under the Wap™ menu options whilst offline or online.

Using bookmarks

Bookmarks can be used:
- directly from the standby display:

▶ 1 Press **OK**. Select **Wap**.
 2 Select **Bookmarks**.
 3 Select the bookmark name you require to directly connect to the corresponding Wap™ site.

- whilst you are browsing the Wap™:

► **1** Press the call key to display the options menu.
  2 Select **Bookmarks**.
  3 Select one of the bookmark names to access the required Wap™ site.

⚠ Selecting OK dierctly tries to reach the bookmarked page.

Go to site

The following sub-menu allows easy access to Wap™ sites:

► **1** Press **OK**. Select **Wap**.
  2 Select **Go to site...**.
  3 A list allows to freely enter or select Wap™ sites addresses:

OPTION	ACTION
Last page	To connect to the latest page accessed with the Wap browser.
Site history	To directly go to one of the pages you have already been to.
New address	To enter a Wap™ site address you want to reach.
New Bango address	To enter a Bango address site.

⚠ 1. The New Bango address option may not be available on your mobile. Please check with your service provider.
2. Addresses are not stored in New address and New Bango address. They must be entered each time these features are used.

Saved pages

You an access a list of pages you have previously stored:

► **1** Press **OK**. Select **Wap**.
  2 Select **Saved pages**.
  3 A list allows to freely enter or select Wap™ sites addresses:

The items are ordered by storage date.
The following Options menu is available:

OPTIONS	ACTION
View	To view the selected saved page.
Delete	To delete the selected saved page.
Delete all	To delete all the saved pages.
Rename	To change the name of the selected saved page.

Receiving push messages

A push message is a message sent via a service/Wap™ provider. Push messages can bear promotional or general information (e.g.: weather forecast). To view the related information you need to connect to the Wap™ server.
The push messages are displayed on the mobile and/or stored in the Push Inbox, according to the Push settings. At the end of the transmission the push reception session is ended.
The Push Inbox allows to consult and delete the stored messages but also to launch the connection to related server to retrieve the information.
When the Push Inbox contains new message(s), an information message is displayed in the standby display with a direct access to the inbox.

To set the push reception parameters:

► **1** Press **OK**. Select **Wap**.

2 Select **Settings**.

3 Select **Push preferences** and set the different parameters :
1/ Accept push info:
Never: to forbid push messages reception.
Current profile: to allow only push messages from the current Wap™ profile.
All profiles: only allows push messages from the configured Wap™ profiles.
Always: no filtering, allows reception of all push messages.
2/ Push quiet mode:
on/off: push message information displayed/not displayed on push message reception.
3/ Accept provisioning:
see information above about Accept push info. To allow, forbid or filter messages bearing connection profiles to connect to Wap™ sites.

To consult a push message in the Push inbox:

1 Press **OK**. Select **Wap**.

2 Select **Push inbox**. Summaries of all push messages are displayed according to their reception date and time.

3 Press **Options** then select **Read text** to display the selected message text in full screen mode.

The following options may also be available:

OPTIONS	PURPOSE
Read text	To provide access to the message text (possibly on several pages)
Summary	To return to the summary display
Preview	To connect to the service but keep the message in the inbox allowing another access to the same service later
Retrieve	To connect to the service and delete the message from the inbox when the connection to the service is made.
Delete	To delete the item
Delete all	To delete all inbox push messages
Details	To provide the expiry date for this item (if available)

⚠ This options list may change according to the push message received.

Storage used

► **1** Press **OK**. Select **Internet**.

2 Select **Storage used** to get detailed information on Site history, Saved pages, Push inbox and Cache.

Melodies download

See "Melody download", page 64 for information on melody download from Wap™ sites.

■ Advanced settings on Wap™ profiles

The advanced settings are used to support specific configurations and improved services available on certain Wap™ gateways. This menu is operator dependent and may not be available on your phone. These parameters are displayed as Wap™ profile items.
To get to the Advanced settings menu:

▶ **1** Press **OK**. Select **Wap**.
   2 Select **Settings**.
   3 Select **Wap profiles**.
   4 Select **Options**.
   5 Select **View**.
   6 Select **Advanced settings**. The following options are available:

OPTION	DESCRIPTION
Send characteristics	To allow the sending of the mobile characteristics to the remote server.
Activate security	To activate or deactivate the security level for the current profile.
Use SAR	To activate or deactivate the SAR (Segmentation And Reassembly) protocol (to enable the download of large data).
Encoding version	To display the possible encoding versions. Select 1.1, 1.2, 1.3 or 1.4.
Normal port	To edit the port address for non secure connections.
Secure port	To edit the port address for secure connections.
Use download fun	To activate or deactivate the use of the Openwave™ solution (to manage the download of large data).
Use range	To activate or deactivate the range service.

⚠ The availability and contents of this menu is operator dependent.

FUN & MEDIA BOX

This menu gathers and manages all the images, melodies, speech notes and games and applications contained in the mobile as well as all the files received via the infrared port, e-mail, the Multimedia messages, Wap or the SMS.

■ GAMES AND APPLICATIONS

IN FUSIO™ GAMES

In Fusio™ and all In Fusio-based trademarks and logos are trademarks or registered trademarks of Sun Microsystem, Inc., in the US and other countries.

This sub-menu allows to: launch games that are stored on your mobile, download new games, upgrade or delete downloaded games. A maximum of six In Fusio™ games can be stored on your mobile.

TO LAUNCH A GAME FROM THE IDLE SCREEN

▶ **1** Press **OK**. Select **Fun & Media box**.
   2 Select **Games**.
   3 Select one of the available games.

or

▶ **1** Press and hold the ⑨ key.
   2 Select one of the available games.

⚠ 1. Games download may require a delivery charge.
   2. You can erase the games that were downloaded from the network.

To play and move while on a game you may need to use the following keys:

KEY	ACTION
④ **or** ◁	To move left.
⑥ **or** ▷	To move right.
② **or** △	To move up.
⑧ **or** ▽	To move down.
⑤ **or OK**	To validate or fire.
⑨	To make a pause. Press ⑨ again to resume the game.

TO DOWNLOAD A GAME

You may be able to download a maximum of 6 games onto your mobile. The Catalogue allows you to get the list and description of the games you can download. If the contents of the catalogue is not available on the phone it may also be downloaded. All information related to games downloading is available in the Instructions menu.

The Games menu is made of the following sub-menus: **Catalogue, News, Instructions** and **Settings** in addition to the available game(s) name(s).

⚠ 1. Receiving an incoming call while playing may not allow you to resume the current game.
2. Please check downloading and billing conditions with your service provider.
3. The games download option, the catalogue and the catalogue update option may not be available on your mobile. Please check with your service provider.
4. The ⚭ symbol is displayed when an In Fusio™ connection is in progress.

ITEM	ACTION
Catalogue	Select **Catalogue** to view and/or download games from the network. The catalogue can be updated so that you can view the new available games.
News	Select **News** to get information on new games availability.
Instructions	Select **Instructions** for all information related to games downloading.
Settings	Select **Settings** to access the nickname, sound, vibrations, and backlight settings common to all games.

JAVA™ APPLICATIONS

Java™ and all Java-based trademarks and logos are trademarks or
registered trademarks of Sun Microsystem, Inc., in the US
and other countries.

This sub-menu allows to launch Java™ games and applications that are stored on your mobile, and upgrade or delete downloaded games and applications.
Your mobile may not bear pre-stored games and/or applications (operator dependent).

TO LAUNCH A JAVA™ APPLICATION
▶ **1** Press **OK**. Select **Fun & Media box**.
   2 Select **Applications**.
   3 Select **Downloaded apps** to launch a game or an application you previously downloaded on your mobile (see "to download a java™ application", page 55) or **Default applications** to launch a pre-embedded game or application.
   4 Select one of the available games and applications or select **Options** and then select **Start**.

When on the dowloaded application list the following options submenu is available:

OPTIONS	DESCRIPTION
View	To view the application detailed content.
Start	To launch the game or the application.
Delete	To delete a game or an application.
Delete all	To delete the stored games and/or applications.
Details	To view the game/application name, size, version and manufacturer.

⚠ 1. The Default applications menu is not available if no pre-embedded application is available.
2. The contents of the Option menu may change from a game/application to another.

When running a game and/or application actions are linked to the following keys:

KEY	ACTION
◁	To move left.
▷	To move right.
▽	To move down.
△	To move up.
OK and ⓪	To fire.
⑤	Game D.
⑦	Game A.
⑧	Game B.
⑨	Game C.

⚠ 1. Access to actions on keys ⑤, ⑦, ⑧ and ⑨ depends on the current game. The actions linked to these keys may depend on the launched game or application. Please read the game/application instructions for full details.
2. Beware: If the features of the dowloaded game(s) do not comply with the mobile capabilities, the application may not run properly.

TO DOWNLOAD A JAVA™ APPLICATION

Java™ applications are to be downloaded via the Wap™ application (please see "starting a wap™ session", page 63):.

▶ **1** Once on a Wap page containing Java™ games/applications, select the game/application you want to dowload.
   2 Select **Retrieve** (Left softkey) to download the game/application on your mobile.

⚠ 1. Games and applications download may require a delivery charge. Please check downloading and billing conditions with your service provider.
2. You cannot install a Java™ game/application that was received by e-mail, MMS or via the infrared port (Java™ games & applications are copyright protected).

SETTINGS

▶ **1** Press **OK**. Select **Fun & Media box**.
   2 Select **Applications**.
   3 Select **Settings**.

The Settings menu is made of the following items:

ITEM	ACTION
Profiles	Select **Profiles** to access the list of available profiles.
Network Access	Select **Network Access** to automatically block or unblock any connection attempt from an application.
Permanent Backlight	Select **On** to set the backlight continuously On while running a Java™ game or application. Selecting **Off** keeps the backlight standard behaviour.

⚠ Receiving an incoming call while playing may not allow you to resume the current game.

To add a profile:
A profile is a list of of parameters that allow the connection of applications when needed (please see "storing the connection settings", page 63 and "connection manager", page 74):

▶ **1** Press **OK**. Select **Fun & Media box**.
   2 Select **Applications**.
   3 Select **Settings**. Select **Profiles**.
   4 Select an empty profile (**[...]**).
   5 Enter the Profile name.
   6 Select **Connection profiles** and enter the required informations.

⚠ Please contact your service provider to get your Profile details.

■ Pictures

The Pictures sub-menu allows to view and set pre-set, stored (via the Camera and the Infrared port) and downloaded images as a Idle screen, a Welcome or a Goodbye screen in order to configure and personalize your mobile screen (see "Display", page 68).

Idle screen

Welcome screen/
Goodbye screen

You can download and record images via the mailer, the Infrared port and the Camera application. It is then possible to store them and/or set them as a Idle screen, a Welcome screen or a Goodbye screen.Your mobile allows you to set one Idle screen, one Welcome screen or one Goodbye screen from the downloaded and/or stored images (to download and store images, see the following sections).

Pictures browser

The Pictures browser allows to display the stored images as a list or as thumbnails. When the pictures are displayed as a list the screen is divided into two parts: the image names list and the selected image. When they are displayed a mosaic (Thumbnails mode: see Options/My preferences) the screen contains a mosaic of pictures and the name of the selected image.

Viewing an image

▶ **1** Press **OK**. Select **Fun & Media box**.
   2 Select **Pictures**.
   3 Scroll the images list or mosaic. Select the required image or select **Album 1** or **Album 2** to view their contents (press **OK**).
   4 Press **OK** or **Options** and **View** to view the selected image in full size.

Options

The Pictures folder **Options** list bears the following items:

OPTIONS	DESCRIPTION
View	To view the full image and name.
Set as...	To set the image as a Idle screen, as a Welcome screen at mobile start or as a Goodbye animation at mobile switch off.
Send by...	To send the picture via the Infrared port, by MMS or by e-mail.
Delete	To delete the current picture.
Delete all	To delete all the selected folder contents.
Move	To move the current image to Pictures, Album 1 or Album 2.
Details	To show the name, resolution, size, registering date and protection status of the current file.
My preferences	To sort the stored images (by date, name, size) and select a view mode (List or Thumbnails) to change the Picture browser mode.

⚠ 1. Album 1 and Album 2 are sub-folders of the Pictures menu.
2. The Album 1 and Album 2 Options list only bears View and My preferences.
3. The sending of an image may not be allowed if it is exportation (copyright) protected (the 'File protected' message is then displayed).
4. To send an image via the infrared port please see "Infrared port", page 18. To send an image via the e-mail or Multimedia messages please see "e-mails", page 35 or "Multimedia messages", page 29.
5. Error messages may be displayed when setting, viewing or storing an image:'File too big': Please see "Error messages", page 82; 'Decoding failure': the image cannot be viewed by the phone.
6. The sending of images via the Infrared port may not be possible if the image is exportation protected. The 'File protected!' message is then displayed.

When viewing an image an **Options** menu is available:

OPTIONS	DESCRIPTION
Full view	To see the picture on full screen.
Set as...	To set the image as a Idle screen, as a Welcome screen at mobile start or as a Goodbye animation at mobile turn off.
Send by...	To send the picture via the Infrared port, by MMS or by e-mail.
Delete	To delete the current picture.
Rotate...	To rotate the picture to the right (90°), to the left (90°) or turn it over (180°).
Rename	To change the picture name.
Details	To show the name, resolution, size, storage date and protection status of the current file.
Zoom +/-	To change the picture view to a Smaller, Medium or Larger size.

⚠ If a picture was rotated, its original version is used in the Set as... process.

Setting an image as a idle screen, a welcome or a goodbye screen from the pictures folder

▶ **1** Press **OK**. Select **Fun & Media box**.
2 Select **Pictures**.
3 Use the up and down arrow keys to scroll through the image names list and select one. Select **Options** and then **Set as...**
4 Select **Idle screen**, **Welcome screen** or **Goodbye screen**.

Cropping

The image you want to set as a Idle screen screen may be too large to be inserted into the available space. Your phone then proposes a cropped image.

It is then possible to move the image left, right, up and down (cursor key). The image you have cropped is then displayed as such on the mobile (as a Idle screen).

▶ **1** Select **Set as...** then select **Idle screen**. If the image is too big, the crop screen is displayed.
2 Use the cursor key to move the image up, down, left or right (the availability of the four arrows depends on the image size).
3 Select **OK**. **Stored** is then displayed.

Receiving images via the infrared port

▶ **1** Open the infrared port (see "Infrared port", page 18) and make sure the infrared port of the other appliance faces your mobile infrared port so that the image transfer is correctly done.
2 When you have received an image select **Options** then select **View**.
3 Select **Options**.
4 Select **Full screen**, **Set as... Idle screen**, **Welcome screen** or **Goodbye screen**, **Details** or **Zoom +/-**.

⚠ 1. The images you receive via the infrared port are automatically stored in the Fun & Media box Pictures sub-folder.
2. To choose and activate a Idle screen, a Welcome screen or a Goodbye screen see "Pictures", page 55.

■ Melodies

Melodies sub-menu gathers Downloaded and Predefined melodies.

Melodies

You can choose a ringtone among the list of melodies available in your mobile.

▶ **1** Press **OK**. Select **Fun & Media box**.
2 Select **Melodies.**
3 Scroll up or down and choose a melody. The melody is played within 2 seconds. The **Options** menu allows you to **Play** the melody, **Set** it **as ringtone**, **Set** it **as alarm**, **Set** it **as ringtone L2** (if Line2 is activated), **Set** it **as Welcome** melody or **Goodbye** melody, **Send** it **by... e-mail**, or **Infrared port, Delete** it, **Delete all** or get **Details**.

⚠ The sending of an image by e-mail or by MMS may be forbidden according to the image type.

Melody download

You can download melodies from the internet, from interactive voice servers, from the e-mails or via the infrared port .
On top of the usual melodies download by SMS you can download melodies by browsing internet web sites.
This is done via the 'Digiplug' or the Nokia™ Smart Messaging system for Mitsubishi Electric phones.
The principle is the following:

▶ **1** Melodies are stored on a Web Digiplug server.
2 Select your Mitsubishi Electric mobile type to access a choice of melodies.
3 Choose one or more melodies to be downloaded to your phone.
4 All chosen melodies are downloaded via SMS.

5 Once the melody is received a reception screen is displayed. Press **OK** or select **Options** then **Play** to play the received melody.
To set a melody as a ringtone, an alarm, a welcome or a Goodbye. Please see "Tones", page 67.

You can also receive melodies via the Infrared port.
Formats managed by the phone are .mid, .mld, .dgp, .nsm and .imy formats.
To play a downloaded melody from the reception screen:

▶ **1** Select **OK** or select **Options** then **Play**.
   2 Select **Exit** to stop playing.

⚠ The melody is automatically saved as soon as it is received by the mobile. It is stored in the Melodies folder.

To install a downloaded melody:

▶ **1** Select **Options**.
   2 Select **Install**.
   If the memory space is sufficient, the melody is automatically stored in the Melodies file. If there is no space left you need to choose one or several melody(ies) to be replaced from the set of melodies (melodies associated to a ring feature cannot be deleted).
   Once stored, a message is displayed. The melody can be played and selected via the **Fun & Mediabox** menu.

To discard a downloaded melody:

▶ **1** Select **Discard**. The melody is erased and is therefore lost for further installation.

■ Speech notes

This feature allows you to record speech notes on your mobile

To record a speech note:

▶ **1** Press **OK**. Select **Fun & Media box**.
   2 Select **Speech note**.
   3 If no speech note was recorded select **New**. If one/several speech note(s) is/are stored in the mobile select **Options** then **Record new**.
   4 Select **Stop** to end the recording.
   5 Type the note name and press **OK**

To play a speech note:

▶ **1** Press **OK**. Select **Fun & Media box**.
   2 Select **Speech note**.
   3 Scroll up or down to the required speech note. Press **OK** or Select **Options** then select **Play**.

Contents of the options menu :

OPTIONS	DESCRIPTION
Play	To play the recorded speech note(s).
Record new	To record a new speech note.
Send by...	To send the speech note via the Infrared port, by MMS or by e-mail.
Delete	To delete the current speech note.
Delete all	To delete all the Speech note contents.
Rename	To change the name of the current speech note.
Details	To get information about the name, file size and recording date, and file protection status.

⚠ The speech note list can be directly reached from the stanby display. Press the down arrow key to play the stored memos. Press and hold the down arrow key to record a note.

■ Others

This file allows to store vcard files (Phonebook), vcalendar files (Diary cards), text files and files with unknowen/unsupported format.

To display the others file contents:

▶ **1** Press **OK**. Select **Fun & Media box**.
2 Select **Others**.
3 Use the up and down arrow keys to scroll the required file.

The following Options list is available:

OPTIONS	DESCRIPTION
View	To view the file contents.
Store	To store the file into the required application.
Send by...	Infrared port/SMS/e-mail: to send the current file via the infrared port by SMS or by e-mail for vCards and vCalendars, to send the current file via the infrared port for text or any other file type.
Delete	To delete the current file.
Delete all	To delete all the folder files.
Details	To view the current file name, size, storage date and file protection status information.

⚠ 1. The contents of this Options list may vary according to the file type.
2. You cannot send any copyright protected file (the 'File protected' message is displayed on any attempt to send copyright protected files).

Data exchange

The purpose of this feature is to allow easy transfer of vCards and vCalendars. A vCard or a vCalendar are phonebook cards and diary cards that are sent or received to/from another device (mobile, PC,...).

Storing a received vcard

▶ **1** Select **Options** (left softkey) on the information screen when you have received the file.
2 Select **View**.
3 The received file is displayed. Select **Store**.
4 Select **Phone names**, **SIM names**, **SIM fixed** or **My card**. The vCard is then stored.

⚠ A received file may bear several vcards. You can then select the one(s) you want to keep, then select Store.

Storing a received vcalendar

▶ **1** Select **Options** (left softkey) on the information screen when you have received the file.
2 Select **View**.
3 The received file is displayed. Select **Store**.

⚠ A received file may bear several vcalendars. You can then select the one(s) you want to keep, then select Store.

Sending a vcard or a vcalendar by SMS

▶ **1** Select the vCard or the vCalendar you wish to transfer as explained in "Diary", page 14, "Calendar", page 14 and "Tasks list", page 16 or select it from **Others**.
2 Select **Options**.
3 Select **Send by... SMS**. A warning may then be displayed, advising on the number of SMS needed to send the card (if more than 1 SMS needed).
4 Select **OK** if you wish to continue.
5 Enter the number you want to send the vCard or the vCalendar to, or pick up a name from the **Names** list.

■ Storage used

To consult the percentage of memory used for the Pictures, Melodies, Others and Speech note folders:

▶ 1   Press **OK**. Select **Fun & media box**.

   2   Select **Storage used**. The total memory used is displayed (all file types). Select **Details** to get storage information per file type.

   3   Use the up and down arrow keys to scroll to the required information type (Pictures, Melodies, Speech note, Others).

⚠   The Fun & Media box space is managed as a single folder. The Pictures, Melodies, Others and Speech note files therefore share the same space in the mobile.
You may not be able to store more files. You can therefore, for instance, remove pictures to free some space and create a new Speech note.

SETTINGS

This menu allows to adjust mobile features for your comfort and mobile security.

Tones

Alert mode

You can set the ring, alert and alarm tone types via the **Mode** menu.

⚠️ If you choose the 'Vibrate' or 'Vibrate then ring' option, the vibrating option replaces all the alert and alarm tones.

To modify the alert mode:
▶ 1 Press **OK**. Select **Settings**.
2 Select **Tones**.
3 Select **Mode**.
4 Choose one of the available settings (**Ring**, **Silent**, **Vibrate**, **Vibrate & ring** or **Vibrate then ring**) and press **OK** to validate.

⚠️ 1. You can access the Mode menu directly from the standby display by pressing the up arrow key.
2. If the Alert mode is set to Silent the 🕱 icon is displayed on the standby screen.
3. If the Alert mode is set to Vibrate, Vibrate & ring or Vibrate then ring the 📳 icon is displayed on the standby screen.
4. When the phone is connected to either the Desk Top Charger, HF kit, CLA or AC adapter the vibrator mode selection is temporarily inhibited and the phone rings instead of vibrating.

Ringtone selection

You can choose a melody from the available ring tones stored in the phone.

▶ 1 Press **OK**. Select **Settings**.
2 Select **Tones**.
3 Select **Ringtones**.
4 Select **Incoming call**, **Incoming call L2** (operator dependent), **Alarm**, **Welcome melody** (On switching on the mobile a welcome melody plays before the standby screen is displayed) or **Goodbye melody** (on switching off the mobile a Goodbye melody plays).
5 Scroll up or down to listen to the different ring tones. Choose one by pressing **OK**.
6 Select **Save** to store your settings.

⚠️ 1. When scrolling up or down wait for a few seconds for the selected melody to be played (except when on Silent mode).
2. The 'No sound' item may be selected to deactivate the Welcome and Goodbye melodies.

Volume adjustments
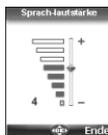
The ring tone, ramping, key tones, conversation and alarm tones (alarm clock, diary alarm and low battery alarm) audio levels can all be individually adjusted via the **Settings** menu:

> 1 Press **OK**. Select **Settings**.
> 2 Select **Tones** .
> 3 Select **Volume**.
> 4 Select **Ring**, **Ramping**, **Keys**, **Conversation** or **Alarm**.
> 5 Scroll up or down to adjust the settings. You can also use the numeric keys to set the required audio level: pressing on ② sets the volume to **2**, pressing on ⑥ or ⑦ sets the volume to **6** or **7** pressing on ⓪ sets the volume to the minimum value (**1** for the speech and **0** for all others).
> 6 Press **OK** to validate the setting.
> 7 Select **Save** to store your setting.

During a call you can adjust the conversation volume level by using the up and down arrow keys.

⚠ 1. If the ring tone volume level is set to 0 the 🔕 icon is displayed on the standby screen.
2. Setting the key tones to 0 deactivates the key tones.

Ramping

Ramping is a feature that, when turned on, causes the incoming ring tone to gradually increase to the maximum volume level if the call is not answered after the first ring.

> 1 Press **OK**. Select **Settings**.
> 2 Select **Tones**.
> 3 Select **Volume**.
> 4 Select **Ramping**.
> 5 Select **On**.
> 6 Select **Save** to store your setting.

■ Display

Idle screen

Themes can be changed to personalize your standby display.
To select a standby background image for your Idle screen:

> 1 Press **OK**. Select **Settings**.
> 2 Select **Display**.
> 3 Select **Idle screen**.
> 4 Select **My picture** or one of the five available background images.
> 4' If **My picture** is selected, select **Pictures** (left softkey) and choose one from the available images (see "Pictures", page 55). The image may be too large ; a Crop screen is then displayed (see "Cropping", page 57).
> 5 Select **Save** to store your setting.

⚠ 1. The Urban theme changes twice a day: a night screen sets at 7 p.m., a day screen sets at 7 a.m.
2. The Meridian theme displays the origin and the secondary clocks.
3. You can also set your Idle screen image from the Pictures menu (see "Setting an image as a idle screen, a welcome or a goodbye screen from the pictures folder", page 57).
4. The picture linked to the idle screen may be an animated GIF.

Welcome screen

At mobile switch on a Welcome screen shows before the standby screen is displayed. This screen is a default one but it can be customised. You can indeed select any of the Pictures folder images - see "Pictures", page 55.

> 1 Press **OK**. Select **Settings**.
> 2 Select **Display**.
> 3 Select **Welcome screen**.
> 4 Select **Default** or scroll down to **My picture.** Select **Pictures** (left soft key) to choose one among the stored images.
> 5 Select **Save** to store your setting.

⚠ You can also set the Welcome screen from the Pictures menu (see "Setting an image as a idle screen, a welcome or a goodbye screen from the pictures folder", page 57).

Goodbye screen

At mobile switch off a Goodbye screen shows. This screen is a default one but it can be customised. You can indeed select any of the Pictures folder images - see "Pictures", page 55.

▶ 1   Press **OK**. Select **Settings**.
   2   Select **Display**.
   3   Select **Goodbye screen**.
   4   Select **Default** or scroll down to **My picture.** Select **Pictures** to choose one among the stored images.
   5   Select **Save** to store your setting.

⚠   You can also set the Goodbye screen from My picture menu (see "Setting an image as a idle screen, a welcome or a goodbye screen from the pictures folder", page 57).

Backlight

To adjust the backlight for the screen:

▶ 1   Press **OK**. Select **Settings**.
   2   Select **Display**.
   3   Select **Backlight**.
   4   Adjust the backlight with the up or down arrow keys and select **OK**.
   5   Select **Save** to store the setting.

■ Keypad

Keypad lock

When the keypad lock is activated it prevents accidental operation of the keys. The key tones are muted.
Keypad lock is suspended on incoming calls and resumed when the call ends. Emergency calls (112) can however be made. If a key is pressed a reminder message is displayed.
To activate and deactivate the keypad lock:

▶ 1   Press **OK**. Select **Settings**.
   2   Select **Keypad**.
   3   Select **Keypad lock**.
   4   To unlock the keypad, press **Unlock** then ⌗.

or:

▶ 1   From the standby screen press and hold ⌗ to activate the keypad lock.
   2   Press and hold ⌗ to de-activate the keypad lock.

Any key answer

This feature allows to answer a call by pressing on any key (except from the Off, No ring and Side keys).

▶ 1   Press **OK**. Select **Settings**.
   2   Select **Keypad**.
   3   Select **Any key answer**. and select **On**.

Softkeys functions

This feature allows to change the right and left softkeys functions to get a shorten access to the feature you want.
Via the idle menu:

▶ 1   Press **OK**. Select **Settings**.
   2   Select **Keypad**.
   3   Select **Softkeys functions** and select **left softkey** or **right softkey**.
   4   The list of functions is displayed. Scroll up or down to the required function and press **OK**.

Via the standby screen:

▶ 1   Press and hold the left softkey or the right softkey.
   2   The list of functions is displayed. Scroll up or down to the required function and press **OK**.

Speed dial

Phonebook numbers can be assigned to keys ② to ⑨. The ① key cannot be assigned a phonebook number as it is assigned by default to the Voice Mail number (see "Calling the voice mail centre to check your messages", page 26).

Numbers stored in both the SIM card and the phone (except from fixed dialling numbers) can be selected.

To assign phonebook numbers to the speed dialling keys:

▶ 1 Press **OK**. Select **Settings**.
2 Select **Keypad**.
3 Select **Speed Dial**.
4 The Key number and the attached name (if any) is displayed. Select **Names** (or **Options** then **Names** if a number was already attached to the key) to choose a name from the names list.
5 Select **OK** to validate.

⚠ If a number which has been assigned to a speed dial key is deleted from the phonebook the corresponding number is automatically deleted from the speed dial key.

■ Phone settings

Language selection

You can change the language on your mobile:

▶ 1 Press **OK**. Select **Settings**.
2 Select **Phone settings**.
3 Select **Language**.
4 Choose a language from the displayed list and press **OK** to validate.

Auto features

Auto-answer

This feature only works when the phone is connected to a headset. The phone then automatically answers the call after about 5 seconds (no key to be pressed).

▶ 1 Press **OK**. Select **Settings**.
2 Select **Phone settings**.
3 Select **Auto features**.
4 Select **Auto-answer** and choose **On**.
5 Select **Save** to store your setting.

Auto-retry

This feature allows the phone to automatically redial the number after the call failed due to an engaged line or an unavailable signal from the network. The number is re-dialled 10 times maximum until it goes through.

▶ 1 Press **OK**. Select **Settings**.
2 Select **Phone settings**.
3 Select **Auto features**.
4 Select **Auto-retry** and choose **On**.
5 Select **Save** to store your setting.

When activated, **Retrying** and a countdown timer are displayed before each new trial. An auto-retry warning tone sounds each time a new call attempt is made.

Selecting **Exit** or pressing any key during the retrial process cancels the auto-retry process.

Auto-switch-on/off

This feature allows the phone to automatically switch on or off at a pre-determined time.

▶ 1 Press **OK**. Select **Settings**.
2 Select **Phone settings**.
3 Select **Auto features**.
4 Select **Auto-switch-on** or **Auto-switch-off** and select **On** to activate the feature.

5 Enter the time you want your mobile to switch on and/or to switch off and press **OK**.

6 Select **Save** to store your setting.

If the phone is already on at automatic switch-on time it remains on.
When the phone is about to automatically switch off a warning message and a countdown timer are displayed. Selecting **Exit** cancels the switch off process.
If the mobile is already off at switch-off it remains off.

⚠️ If a call is in progress at switch-off time, the switch-off process is postponed until the call is ended.

Caution - Remember to turn off the Auto switch-on feature when boarding an aircraft.
See "General safety", page 5.

Time and date
This feature allows to set the mobile time according to the world time zone map, based on Greenwich Mean Time (Origin clock). A Secondary clock is also available.
This feature is useful for the Diary. To import or export calendar cards, events and tasks, timetables have to be set according to Time zones.
Both clocks are displayed on the same screen. The date and time and the city name are displayed for both clocks.

Clock setting

To set the clocks:

▶ **1** Press **OK**. Select **Settings**.

2 Select **Phone settings**.

3 Select **Time & date**.

4 Select the Origin clock. Scroll through the panels and fill in the required information.

5 Select **Save** to store the data.

6 Select the Secondary clock. Scroll through the panels and fill in the required information.

7 Select **Save** to store the data.

Clocks swap

This feature is useful when travelling: the local clock is displayed but you can swap between the origin clock and the secondary clock.
To swap clocks:

▶ **1** Press **OK**. Select **Settings**.

2 Select **Phone settings**.

3 Select **Time & date**.

4 Select **Swap**.
An information message is displayed. The secondary clock becomes the origin/mobile clock and the origin clock becomes the secondary one.

Default settings
You can reset your phone and get back your mobile default settings via the **Settings** menu.
This has no effect on the phonebook entries or the phone lock code.

▶ **1** Press **OK**. Select **Settings**.

2 Select **Phone settings**

3 Select **Default settings**.

4 Select **Yes**.

The following features are reset:

FEATURE	DEFAULT SETTING
Alert Modes	Ring
Volumes, Ring, Key, Speech, Alarm	Mid values
Backlight, Contrast	Mid value
Any Key, Auto-Retry, Auto-Answer features	Off
Ramping	Off

■ Connection manager

The Connection manager service manages and centralises circuit and packet connection profiles (see "Wap™", page 61) for online applications.

Connection profiles

Selecting a profile

▶ **1** Press **OK**. Select **Settings**.
  2 Select **Connection manager**.
  3 Select **Connection profiles**.
  4 Scroll down to the required profile. Press **OK** or **Option** and **View** to display the profile.

Creating a connection profile

▶ **1** Press **OK**. Select **Settings**.
  2 Select **Connection manager**.
  3 Select **Connection profiles**.
  4 Choose an empty profile (**[...]**) and select **OK**.
  5 Choose **GPRS connection** or **GSM connection** and select **OK**.
  6 Fill in the requested information (contact your service provider to get all necessary parameters) and select **Save** to store the entered data.

Data counters

Viewing the connection details

▶ **1** Press **OK**. Select **Settings**.
  2 Select **Connection manager**
  3 Select **Data counters**.
  4 Select **GSM counters** or **GPRS counters** to view the connection details (bytes or time during connection). Then select **Details** to get the details per connection profile.

Resetting the connection counters

▶ **1** Press OK. Select **Settings.**
  2 Select **Connection manager**.
  3 Select **Data counters**.
  4 Select **Reset data counters** and select **Yes**. Enter the **Lock code** (the default lock code is **0000**).

Operation mode

This network dependent setting allows mobile operations to be either **Standard** or **Modem** type.

Standard mode

The mobile tries to reach a GPRS networks. If the mobile succeeds attaching a GPRS network, 🖅 is displayed on standby mode. The mobile can then send and receive voice calls and packet data calls.
To set the mode of operations to Standard:

▶ **1** Press **OK**. Select **Settings**.
  2 Select **Connection manager**.
  3 Select **Operation mode**.
  Select **Standard**.

Modem mode

The mobile tries to reach a GPRS network.
It can only receive GPRS data calls; voice calls are then barred. This behaviour is the same whatever the network capabilities.
However if the GPRS services are lost, the mobile automatically returns to the Standard operation mode.

To set the operation mode to Modem:

▶ **1** Press **OK**. Select **Settings**.
2 Select **Connection manager**.
3 Select **Operation mode**.
4 Select **Modem**.

■ GSM services

Call diverting

This Network dependent service allows to divert incoming calls (voice, fax or data calls) to another number
To divert a call:

▶ **1** Press **OK**. Select **Settings**.
2 Select **GSM Services**.
3 Select **Call diverting**. The following sub-menu is displayed (N.B.: this menu contents may vary according to your service provider).

DIVERT OPTIONS	ACTION
Always	To divert all incoming voice calls.
When not reachable	To divert all voice calls when the phone cannot be reached (out of service).
On no reply	To divert all voice calls when the call is not answered to.
When busy	To divert all voice calls when the line is engaged.
All conditions	To divert all voice calls when Not Reachable, No Reply and When Busy.
Cancel all	To cancel all diverting options.
All FAX calls	To unconditionally divert incoming fax calls.
All DATA calls	To unconditionally divert incoming data calls.

4 Select one of these options and select **OK**.
5 Select **Activate**.
6 Select **Voice Mail** (if you want the calls to be diverted to your voice mailbox), **Names** (select one of the phonebook entries) or **Number** (Enter the number the calls have to be diverted to and select **OK**. A validation message bearing the selected number is displayed).

⚠ 1. If the 'On no reply' option is selected please enter the time limit (5, 15 or 30 seconds; this also depends on your network) after which the feature is valid.
2. Call diverting has to be set for both Line 1 and Line 2. Only the selected line is affected by the call divert.

To check the call divert status or deactivate it:

▶ **1** Press **OK**. Select **Settings**.
2 Select **GSM Services**.
3 Select the call diverting type to be checked or cancelled.
4 Select **Status** or **Cancel**.

To cancel all call diverts,

▶ **1** Press **OK**. Select **Settings**.
2 Select **GSM Services**.
3 Select **Call diverting**.
4 Select **Cancel all**.

⚠ 1. This action cancels all call diverts (for voice, faxes and data calls) for the current line.
2. To cancel call diverts for the other line you must select this other line first (menu Calls & Times - Line selection).

Call waiting

This network dependent feature allows to receive a new call while a call is already on (network dependent). To activate the call waiting feature:

▶ 1   Press **OK**. Select **Settings**.
2   Select **GSM Services**.
3   Select **Call waiting**.
4   Select **Activate**. **Activated** or **Check your request** is then displayed.

⚠️ You can also cancel or check the service status.

To put a call on hold and switch from Call 1 to Call 2:

▶ 1   Whilst on a call a beep sounds to indicate a second incoming call.
Select **Replace** to take Call 2 and end Call 1, Select **Reject** to refuse Call 2 or press theCall/Send key to put Call 1 on hold and take Call 2.
Press the End/Off key to end Call 1 and take Call 2.
2   Select **Options** then select **Swap** to get back to Call 1 and put Call 2 on hold or select **Join** to have a 3 party conversation.

Sending my id

You can disable the sending of your own number on a call by call basis by adding #31# before the number you are dialling. You can also ask your service operator to always hide the sending of your mobile phone number. Once hidden by your operator you can show your number, on a call by call basis, by typing *31# before the number you are calling.
Please contact your service provider for more information.

Caller line identity - showing/hiding your mobile number (network dependent)

Most networks allow Caller Line Identity feature (CLI). This feature allows the phone number or the identity of the caller to be displayed when a call comes in.

Standard network setting

To reset the standard network setting and send your mobile ID:

▶ 1   Press **OK**. Select **Settings**.
2   Select **GSM Services**.
3   Select **Sending my ID**.
4   Select **My settings**.
5   Select **Preset**. The phone resets and gets back to its original network setting.

Hiding or showing your number

▶ 1   Press **OK**. Select **Settings**.
2   Select **GSM Services**.
3   Select **Sending my ID**.
4   Select **My settings**.
5   Select **Hide my ID** or **Show my ID**.

Finding out your current id status

▶ 1   Press **OK**. Select **Settings**.
2   Select **GSM Services**.
3   Select **Sending my ID**.
4   Select **Status**.
Your current ID status is displayed.

Receiving caller id

You can check the availability of this feature on your network or subscription.

▶ 1   Press **OK**. Select **Settings**.
2   Select **GSM Services**.
3   Select **Receiving caller ID**.
The network then either returns **Presentation available** or **Presentation unavailable** information.

Network automatic search:

When the phone is on, it automatically searches the last network it was registered to (usually the home network). If it is not available, the phone automatically searches and selects one of the networks registered in the preferred network list (located in the SIM card).

Editing the preferred list

Your mobile contains a list of networks which can be selected (e.g.: to suit your travel arrangements). You can also transfer items from this list to the preferred networks list.

The order and names of the networks in the preferred networks list can be edited and amended.

▶ **1** Press **OK**. Select **Settings**.
   2 Select **GSM Services**.
   3 Select **Network**.
   4 Select **Preferred list**. A list of networks is displayed.
   5 Use the up and down arrows to view the list and select **OK** if you want to amend the list:

OPTION	DESCRIPTION
Modify by list	To display the list of all networks stored in the phone.
Modify by code	To edit or enter the identification operator number if you have the information.
Delete	To delete an entry

Your SIM card may contain a forbidden list of networks which cannot be used. To view it or show your home network:

▶ **1** Press **OK**. Select **Settings**.
   2 Select **GSM Services**.
   3 Select **Network**.
   4 Select either **Forbidden** to get to the list of forbidden networks, or select **Home network** to get the name of your usual network.

Selecting manual search

You may need to select a specific network (e.g. better coverage than yours in the current location).

▶ **1** Press **OK**. Select **Settings**.
   2 Select **GSM Services**.
   3 Select **Network**.
   4 Select **Search**.
   5 Select **Manual**. The **Scanning for networks...** message is displayed.
   6 Use the up or down arrow keys to select a network from the list.
   7 Press **OK** to confirm your choice.
   Requesting... is displayed. The phone then returns to the standby display.

⚠ 1. You cannot select a network for manual change if it is on the forbidden list (even if it is still listed as a choice).
2. You cannot delete a network from the forbidden list. This list is automatically updated when the manual network selection is performed.
3. If the Manual search was selected before turning the mobile off and if the manually selected network cannot be found when the mobile is next turned on, you then have to manually choose another network for your mobile to lock on.

Selecting automatic search

To perform an automatic search from the preferred list proceed as follows:

▶ **1** Press **OK**. Select **Settings**.
   2 Select **GSM Services**.
   3 Select **Network**.
   4 Select **Search**.
   5 Select **Automatic**.

Call barring

This network dependent service forbids certain outgoing or incoming call types. It requires a call barring password.

To bar a call:

► **1** Press **OK**. Select **Settings**.
2 Select **GSM Services**.
3 Select **Call barring**.
4 Select **Outgoing calls** or **Incoming calls**:

SELECT	MEANING
Outgoing All outgoing	To bar all outgoing calls.
Outgoing Int'nal calls	To bar all outgoing international calls.
Outgoing Int'nal excl. home	To bar all outgoing international calls except from calls to subscribers within your home network.
Incoming All incoming	To bar all incoming calls.
Incoming Roaming only	To bar all incoming calls when not on the home network.

5 Select **Activate**. Enter the password and press **OK**.
The network then confirms the selection.

To remove call barring or check its status:

► **1** Press **OK**. Select **Settings**.
2 Select **GSM Services**.
3 Select **Call barring**.
4 Scroll up or down to select the barring type to be deactivated (Cancel) or checked and follow the displayed instructions.

Call barring password

The call barring password is used to select the call barring levels. It is supplied via your service provider.

To change the password:

► **1** Press **OK**. Select **Settings.**
2 Select **GSM Services**.
3 Select **Call barring**.
4 Select **Change password**.
First enter the former password then enter the new password twice. A Confirmation message is displayed.

■ Security features

The security features described in this section protect your phone from unauthorized use.
When requested enter the code and press **OK**. Codes are displayed as asterisks (*).
Press **Clear** if you need to amend your entry.

⚠ Avoid using codes similar to emergency numbers such as 999 or 112 to prevent accidental dialling of these numbers.

KEEP A RECORD OF YOUR CODES AND KEEP THEM IN A SAFE PLACE.

Phone lock code

A phone lock code is supplied with the phone for security purposes. It prevents unauthorized access to the phone.
The default code is **0000**. We suggest that you change this code and keep the new one in a safe place.

Once this feature is activated the code is asked each time the phone is turned on.
To change the phone lock code:
▶ **1** Press **OK**. Select **Settings**.
  2 Select **Security**.
  3 Select **Phone lock change** and follow the instructions displayed.
  4 Press **OK** to validate the new code.
To activate / deactivate the phone lock code:
▶ **1** Press **OK**. Select **Settings**.
  2 Select **Security**.
  3 Select **Phone lock enable** (if the code was disabled) or **Phone lock disable** (if the code was enabled) and enter your **Phone lock code**.

⚠ Emergency calls can still be made when phone lock is activated.

PIN code

Your SIM card was provided with a 4 to 8 digit PIN code as a protection against unauthorized usage. When enabled the PIN code is required each time you turn your mobile on. If a wrong PIN code is entered three times in succession your SIM card is blocked. The 8 digit PUK code is then requested to unblock your phone. Please contact your service provider to get this code.
To activate the PIN protection:
▶ **1** Press **OK**. Select **Settings**.
  2 Select **Security**.
  3 Select **PIN enable** (if the code was disabled) or **PIN disable** (if the code was enabled) and enter your **PIN code**.
To change the PIN code (PIN must first be enabled):
▶ **1** Press **OK**. Select **Settings**.
  2 Select **Security**.
  3 Select **PIN change** and follow the displayed information.
  4 Press **OK** to validate your new PIN code.

PIN2 code

PIN2 code prevents unauthorized access to some of the mobile features (e.g. activating/deactivating FDN operations, modifying the FDN phonebook, setting calls costs to zero, modifying the costs display features). This code can be changed but not be activated or deactivated. Please contact your service provider to get your PIN2 code. To change the PIN2 code:
▶ **1** Press **OK**. Select **Settings**.
  2 Select **Security**.
  3 Select **PIN2 change** and follow the displayed information.
  4 Press **OK** to validate your new PIN code.

PUK code

The PUK (PIN unblock key) is an 8 digit code supplied by your service provider. It is used to unblock the phone when a wrong PIN code has been entered incorrectly three times. A PUK code cannot be changed.
When requested enter the PUK code and select **OK**. You are then asked to enter a new PIN code. Follow the displayed prompts to reset the PIN code.

⚠ If you have entered the wrong PUK code 10 times in succession your SIM card is definitely blocked. Contact your service provider to get a new card.

PUK2 code

The PUK2 is an 8 digit code supplied by your service provider. It is used to unblock the phone when a wrong PIN2 code was entered incorrectly three times. A PUK2 code cannot be changed. When requested enter the PUK2 code.

⚠ If you have entered the wrong PUK2 code 10 times in succession using the features requiring the PIN2 code, your mobile is definitely blocked. Contact your service provider for a new card.

Summary of code/password entry chart

PASSWORD	LENGTH	NUMBER OF ALLOWED TRIALS	IF BLOCKED OR FORGOTTEN
Phone lock code	4 digits	Unlimited	Return phone to manufacturer
PIN	4-8 digits	3	Unblocked by use of PUK code
PIN2	4-8 digits	3	Unblocked by use of PUK2
PUK	8 digits	10	Contact your service provider
PUK2	8 digits	10	Contact your service provider
Call barring password	4 digits	Defined by service provider	Contact your service provider

■ Certificates

Certificates are used for network security exchange.
There are two types of certificates: the user's certificate and the trusted certificate.
The user's certificate is sent by the phone to the contacted WAP™ service. It is a proof of the user's identity.
The trusted certificate is sent by the contacted WAP™ site to the phone. It guarantees the WAP™ site is authentic and you have the right certificate in your phone. If you do not have the right certificate the site identity cannot be checked (certificates can then be downloaded from a WAP™ page).
To display a certificate,

1   Press **OK**. Select **Settings**.
2   Select **Security**.
3   Select **Certificates**. Enter the 4 digit lock code (default code is **0000**) and press **OK**. The list of certificate subjects is displayed.

The detailed view is displayed and is made of:
- A header which informs about the certificate format and its storage location,
- The certificate subject,
- The certificate issuer,
- The certificate validity dates (start and end dates),
- The certificate fingerprint.

■ WIM manager

The WIM (Wireless Identity Module) Manager use is to allow secured access to paid services via the WAP™ features.
A special WIM card is required to use this feature (please contact your service provider for more information on the WIM card). It allows certificates (see definition above) and tickets to be provided to and from selling companies when undergoing a paid transaction.
To enter the WIM manager menu:

1   Press **OK**. Select **Settings.**
2   Select **Security**.
3   Select **WIM Manager**.

Select one of the list items:
- WIM code (PIN code available on the WIM card to change, create or delete a file) change/unblock. If you enter 3 wrong WIM codes, 'WIM code blocked' is displayed.Contact your service provider to get the corresponding unblock code.
- Signature codes (list of the different signature codes). These codes depend on the service you wish to use (contact your service provider for more information on the signature codes).
- Tickets. A ticket is a document emitted on purchasing as a proof of the transaction (receipt). 5 tickets can be stored in the phone memory (they are then deleted one after another).

To go over a transaction and use the security WIM system:

1 From the WAP™ page, when getting to a paid service, press **OK**.

2 A sum-up of the transaction is shown on the following page. Press **OK** to validate.

3 Enter the requested signature code (4 to 8 digits). A sum-up of the whole transaction (the **Ticket detail** page) is then displayed and shows the transaction **Date, Clear Text** and **Information**.

4 Press **OK** to validate and save the ticket.

⚠ Tickets are tracks of transactions as they are emitted by the mobile and not by the selling company. They cannot be used as a proof in case of legal problem.

To view tickets:

1 Press **OK**. Select **Settings**.

2 Select **Security**.

3 Select **WIM Manager**.

4 Select **Tickets**.

5 The list of available tickets is displayed: choose one and select **OK** to view its contents.

■ Glossary

EXPRESSION	MEANING
AC/DC charger	Alternating Current/Direct Current charger
Active call	The call currently in conversation
ALS	Alternate Line (Line 2) Service
AoC	Advise of Charge - subscription service
CB	Cell Broadcast
CLI	Caller Line Identity - displays callers telephone number
DES	Data Encryption Standard
Diverting	Diverts incoming calls to the phone to another number
DTC	Desk Top Charger
DTMF	Dual Tone Multifrequency Tones
FDN	Fixed Dialling Number
GSM	Global System for Mobile communications
http	HyperText Transfer Protocol
IN	Information Numbers of your operator
IP	Internet Protocol
LCD	Liquid Crystal Display
MMI	Man Machine Interface
MMS	Multimedia Messaging Service
PIN/PIN2	Personal Identification Number. Supplied by your network/service provider
PPP	Point to Point Protocol
PUK/PUK2	PIN Unblocking Key. Used to unlock PIN and PIN2. Supplied by your network/service provider
QQVGA	Quarter Quarter Video Graphics Array
Roaming (Rm)	The ability to use your telephone on networks different from your home network.
SDN	Service Dialling Number of your operator or service provider
SIM	Subscriber Identity Module. Supplied by your network/service provider
SMS	Short Message Service
SPN	Service Provider Name
SR	Status Report - relates to SMS messages
stanby mode	When the phone is on but not receiving/making a call or menu navigating.
URL	Uniform Resource Locator
VGA	Video Graphics Array

■ Trouble shooting

PROBLEM	POSSIBLE CAUSE AND SOLUTION
Phone does not switch on	Check that the battery is fully charged and correctly connected to the phone.
No flashing battery icon while charging	There may be no mains supply. Try a different electrical socket. The AC/DC charger may be faulty. Return to your dealer and try substitution with another Mitsubishi Electric adapter. If faulty contact your dealer.
Short standby and talk times	Cell broadcast is permanently on, using more battery power. Phone is in a poor signal area and therefore always on full power. Incorrect charging and discharging. Always charge and discharge your battery fully. The battery is wearing out. Replace the battery.
Impossible to dial numbers	Keypad lock is on (appears). Press **Unlock** and to turn the keypad lock off.
Impossible to make or receive a call	Check at least one signal strength bar ( ) is displayed. Try a stronger signal strength area. If no network name is displayed, check registration and area coverage with your service/network provider and check the SIM is correctly inserted. Call barring option is on. Deactivate it (see page 76). Call cost limit is reached (see page 40).
Stored telephone numbers cannot be recalled	Fixed Dialled Number or Call Barring features are activated. Deactivate feature. (see page 76).
The mobile is on but nothing is displayed.	Display contrast is down too low. Reset contrast (see page page 69).
Battery icon not flashing 1-2-3-4-5 during charging	May indicate a charge or battery problem. Disconnect the charger. Reconnect and try again. May also indicate the battery is full and does not need more charging.
No charge symbol when connecting the charger	If the battery is totally empty the battery level symbol may not be displayed at once when connecting the battery charger. Moreover the mobile cannot be turned on. Up to 15 minutes may be necessary to reach the required 4% battery charge to turn your mobile on and allow the battery charge symbol to be displayed.
**Flashing **	There is not enough memory to store another SMS message. Delete one or more of the existing stored messages.

■ Error messages

PROBLEM	POSSIBLE CAUSE AND SOLUTION
Allowed credit reached!	You are trying to place an outgoing call and the allowed credit is already reached. The allowed credit limit is reached during an outgoing call (the call is then aborted).
Busy	You are trying to make a call and the call fails because the destination number is already engaged in conversation.
Call failed	The user is unreachable. The outgoing call fails due to: the network cannot take the call due to system busy or the number is out of order or the number is unreachable or the network does not answer or the option to hide your phone number when calling is not supported by the network Control the ability to hide your ID when making a call (service availability in network).
Cancelled. No type selected	Cell broadcast activation has been requested but no message type has been selected.
Cannot execute command	You have made a request which is impossible to be executed in the current call situation.
Can't display message	The short message text cannot be displayed (characters not recognised, incorrect format etc.)
Check SIM!	There is no SIM present or the SIM is incorrectly inserted.
Check your password	You changed the call barring password or You changed the call barring service status. The entered password seems to be wrong or incorrect.
Check your request	You made a request for a service that seems to be impossible to fulfil.
Check your subscription	You tried to activate a GSM service. You are requested to check your subscription regarding the related service rights of use/access.
Connection failed	Connection with the server cannot be established for one of the following reasons: The server is busy. Try to connect later. The server is down. Try to connect later. The network is not reachable. Check the GPRS service icon is displayed on standby mode.
Error!	The network cannot perform your request and generates an error result.
Failed	An SMS sending process failed (the short message cannot be sent).
File too big	The file dimensions (pixels) and/or weight (kB) are not adapted to your mobile. Resize the file (The maximum allowed file size depends on your service provider).
File protected	The file cannot be exported (copyright).
Incorrect entry	You entered a character string with a syntax error.
Invalid data received	The received file bears invalid information or the melody format cannot be recognised by the mobile
Invalid number	- You tried to make a call and the call is rejected by the network because the network does not recognise the phone number structure or you tried to store a phone number that is too long to be stored in the selected location or - you tried to move a phone entry to a location that is unable to receive the phone number (phone number too long).
Network busy	You tried to make a call. The call is rejected by the network due to congestion problems.
Network not allowed	When selecting network manual search, you have selected a network that rejects the connection.
New PIN2 incorrect. Try again	Changing PIN2: the new PIN2 code values differ (value control).

New PIN incorrect. Try again	Changing PIN: the new PIN code values differ (value control).
No response	You made a call to a remote user and no response has been received.
Not allowed	Your number/character entry is not allowed.
Not allowed fixed dialling)	A call is tried, but cancelled due to fixed dialling control (the number dialled does not match with one of the fixed dialling numbers in memory).
Number changed	The called number has changed.
Page has no content	Your request was accepted by the network but the required server page is empty.
PIN blocked	A wrong PIN code has been entered 3 times.
PIN2 blocked	A wrong PIN2 code has been entered 3 times.
PUK2 blocked	A wrong PUK2 code has been entered 10 times. The SIM services protected by the PIN2 code have now been permanently disabled.
Reaching allowed credit!	The cost limit is about to be reached. The connected call ends automatically when the limit is reached.
Ring volume Off	The ring volume is set to 0 (no volume)
Service not available	Activating some GSM services that are not available on the network
SIM blocked. Contact provider	A wrong PUK has been entered 10 times. The SIM card has been permanently disabled and needs to be replaced by a new one.
SIM names phonebook full Phone names phonebook full	The corresponding memory is full.
Wrong code. Try again	A wrong phone lock code has been entered.
Wrong new code. Try again	The new phone lock codes do not match (value control).
Wrong PIN, try again Wrong PIN2, try again Wrong PUK, try again Wrong PUK2, try again	The wrong code has been entered.

■ Guarantee

Should you experience any difficulty then please contact your nearest Mitsubishi Electric representative in the list below for information on service centres.

UNITED KINGDOM	BELGIUM	ESPAÑA	SWITZERLAND
Tel: (0800) 912 00 20	Tel: (0800) 75733	Tel: (902) 11 68 58	Tel: 032 843 65 11
FRANCE	AUSTRIA	ITALIA	FINLAND
Tel: (0825) 86 82 83	Tel: (0800) 292716	Tel: (800) 79 10 29	Tel: (0800) 116 975
DEUTSCHLAND	PORTUGAL	IRELAND	SWEDEN
Tel: (01803) 33 71 84	Tel: (0800) 880 264	Tel: (1800) 92 70 12	Tel: (0200) 214 715

THE NETHERLANDS
Tel: (0800) 0223825

Important : to obtain the Mitsubishi Electric warranty service, the original purchase invoice from the dealer is required.

PAN-EUROPEAN END-USER GUARANTEE CONDITIONS

1.Melco Mobile Communications Europe S.A. (MMCE) guarantees that for a period of twelve (12) months from the date of purchase from the dealer, the product shall be free from defects in materials and workmanship. If the statutory warranty in force in your country exceeds 12 months, the statutory warranty is not affected by this manufacturer's guarantee. This guarantee also covers batteries for a period of six (6) months from the date of purchase from the dealer. Subject to the conditions below, MMCE will indemnify you against all cost of parts and labour for repairs to or replacement of the product or parts (which may include equipment of similar type) where conducted by an authorised Mitsubishi Electric service centre. MMCE shall be entitled to retain product that has been replaced.

2.Any claims must be made to an authorised Mitsubishi Electric service centre. You can contact the Mitsubishi Electric representatives listed above to obtain details of your nearest authorised Mitsubishi Electric service centre. As a condition of this guarantee, the date of the purchase must be confirmed by producing the original invoice from the dealer. Final determination of guarantee claim eligibility shall be made by MMCE.

3.This guarantee does not cover:

a)non-compliance with directions for use;

b)installation or removal charges where the product is installed in a vehicle;

c)defects or failures caused by accident, misuse, improper installation or improper repair by an unauthorized repairer, alteration or modification, neglect, failure to use for normal purpose, Acts of God, water ingress, use in adverse environmental conditions (humidity or temperature);

d)cost of or performance of modifications to product to adapt or adjust to conform to national or local safety laws, where such safety laws go beyond harmonised European Union standards;

e)loss of use of the product or consequential loss of any nature;

f)loss of use of air-time, loss of use of any loaned equipment or ancillary equipment;

g)provision of incorrect or insufficient signal on air-time network, upgrading of product software to changes in network operating parameters, main supply voltage fluctuations, incorrect SIM card (memory card) parameters for connection to airtime retailer;

h)damage caused by non-Mitsubishi Electric accessories.

4.Any guarantee claim or service does not extend the original guarantee period unless so required by prevailing national law.

5.This guarantee is valid only if the product is purchased and used in the European Union, Norway, Iceland or Switzerland.

THIS GUARANTEE DOES NOT AFFECT YOUR STATUTORY RIGHTS.

MELCO MOBILE COMMUNICATIONS EUROPE S.A.
5, rue de la Chataigneraie
35510 Cesson Sévigné
France
www.mitsubishi-telecom.com

INDEX

DECLARATION OF CONFORMITY

Product	: GSM dual band 900/1800 handheld Mobile Station
Model Type	: VGM07A

We,

MELCO Mobile Communications Europe

5, rue de la Chataîgneraie
CS 37618
35576 Cesson Sévigné
FRANCE

declare under our sole responsibility that the product aforementioned is conform to the following applicable essential requirements of the directive 1999/5/EC:

Article 3.1 a) (health protection and user safety)
   73/23/CEE, 1999/519/EC, Cenelec EN 50360, EN 60950

Article 3.1 b) (protection requirements concerning electromagnetic compatibility)
   89/336/CEE, EN 301 489-1, EN 301 489-7

Article 3.2 (proper use of the radio-electric spectrum so as to avoid damaging interference)
   EN 301 511

To this effect, all essential radio test suites have been carried out.

April 2nd, 2004

Franck MARTI
Vice-President