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WELCOME

Thank you for choosing a cellular phone from Maxon Telecom, Korea's second-largest IT company and a manufacturer with more than two decades of experience in the electronic communication industry.

Your new communication device represents the cutting edge technology of the 21st century, featuring 64k brilliant color display, enhanced messaging service (EMS), polyphonic ring tones and stunning games along with extensive Organizer and Phonebook properties.

Uplink to the Mobile Internet facilitated with WAP 1.2 and GPRS data connection.

The phone size has always been a Maxon focuspoint, and the MX-C180-series have very modest exterior dimensions and will fit into any shirt pocket or purse.

40 different ring signals, SMS alert signals, and wallpapers along with renameable profiles and caller groups facilitates a high degree of personalization.

You have acquired a phone and a communications companion that will enable you to stay tuned wherever you go.

ABOUT THIS USER GUIDE

This user guide is written only for the MX-C180-series cellular handsets. The contents of the user guide follow the same order as the phone menu system goes.

Please note that some optional functions may not be shared by all models.

Inquiries regarding the user guide or phone handling can be addressed to:

Maxon Technical Marketing
maxontelecom@maxontelecom.com

Empty rectangular box for notes.

BEFORE USING YOUR PHONE

CHAPTER 1

- ① Package Includes
- ② Handset Description
- ③ Main Display
- ④ Function Keys
- ⑤ Use Of SIM Card
- ⑥ Navigation Key
- ⑦ Using The Battery
- ⑧ Charging The Battery
- ⑨ Important Battery Information

PACKAGE INCLUDES

Thank you for purchasing this product. Please check the product contents to see if you have all the available items as below.



Handset



Charger



Standard Battery



Hands Free Kit



Handstrap



Data Cable (Optional)



User Guide

HANDSET DESCRIPTION



Sub LCD



Displays a icon and a status when you have a call or a message or when you select Bell/ Vibration/ Mute. 256OLED makes the screen turn off.

MAIN DISPLAY

Main Display



Icon display – Shows the current status of phone

Graphic display – Shows phone numbers, text lines, animations, pictures

Function display – Shows each function of [soft1] and [soft2] to help browse through main menu.

Icons



Signal Strength – The number of bars shows signal strength.



Battery – Current battery charging level.



Alarm – Appears when an alarm is set.



Call forwarding – Appears when call forwarding is set.



Manner mode – Appears when manner is set as a ring mode.



Text message – Appears when you have a new text message.



GPRS Signal – The phone enters a GPRS service area.



Vibration mode – Appears when Vibration is set as a ring mode.

FUNCTION KEYS



[Soft1] – To place a call or redial a number.
Send/Redial Key.



[Soft2]
– To turn on and off the phone, and back key.
– To end of call.



Menu Key
– To browse the main menu.



Camera Key
– To move directly to camera menu.



4-Direction navigation key
– To browse the SMS menu and phonbook menu.



OK Key
– To select an option.



Keypad Keys
– To enter letters and numbers.



*Key
– To place an international call.(+)
– To set a manner mode. (press and hold)



Key
– Toggle between #.,:;”?” and ! in standby. Controls “.(period)” in text editors.

USE OF SIM CARD

SIM card is always needed to use the phone. "Please insert SIM card" appears when the SIM card is not installed since it contains information about phone and network. Messages and phonenumber stored in the phone can be transferred to other GSM terminal if both SIM cards are the same size.

Please take note that you don't lose SIM card and that you don't keep it near magnetic and electronic devices to prevent loss of information and hitch in networking. When you take SIM card and battery apart, you should always turn off the phone. The insertion of SIM card while charger is in use can be a contributing factor to the damage of SIM card.

NAVIGATION KEY



The navigation key is used to search through the menu.



[UP] –
To scroll up
and access
the look up
directly from
idle mode.



[DOWN] –
To scroll
down and
access the
dial list from
idle mode.



[LEFT] –
To access
the phone-
book directly
from idle
mode.

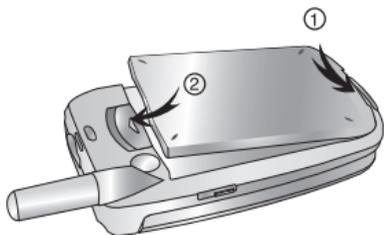


[RIGHT] –
To access
the messages
menu directly
from idle
mode.

USING THE BATTERY

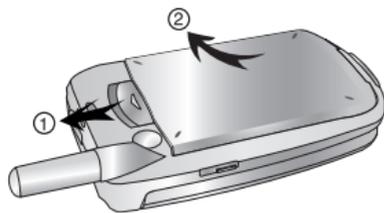
INSTALLING THE BATTERY

- 1 Insert the bottom of battery into the groove at the bottom of the handset. Then 2 push down the battery until it locks into place.



REMOVING THE BATTERY

- 1 Pull down the tab 1 with one hand and lift the top of the battery 2 to separate from handset.

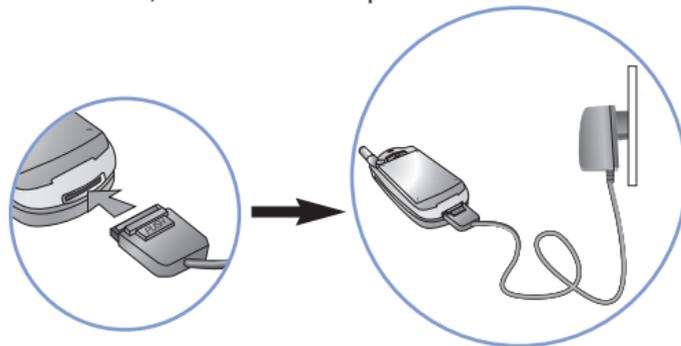


The battery must be securely placed in the battery compartment. If battery is improperly inserted, the handset will not turn on or the battery may slip off during use.

CHARGING THE BATTERY

POWER CONNECTION

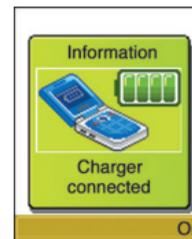
- 1 Insert the contactor of charger into slot and plug the charger into the outlet.
* please note that the contactor should be placed into slot, a certain side up.



Be sure to charge the battery for at least four hours prior to the first time use. For extended battery life time, charge the battery fully for a long time rather than frequently for a short time period.

CHARGING STATUS

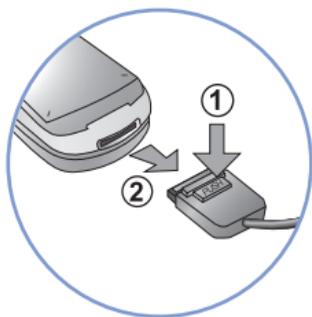
when its battery is charged in power off mode, the phone shows an animation in LCD.



CHARGING THE BATTERY

REMOVING THE CHARGER

- 1 Press down the release latch and pull out the contactor of charger.



Don't remove the charger by pulling its cable.

IMPORTANT BATTERY INFORMATION

- Don't keep a battery near a fire and attempt to disassemble it. Use only the battery approved by manufacturer.
- Never touch battery contactors with any metallic object, which lead to battery short circuiting especially when carrying a battery in a pocket.
 - Possible to cause burns due to blasting and hot temperature.
- Don't drop a battery and apply any physical shock to the battery.
 - Malfunction and fire are feasible.
- Please keep a battery out of children's reach and in a dry and cool area.
- Charge a battery and keep it in a room temperature.
 - Extreme temperature prevents full charging and affects battery capacity in a negative way.
- Since a battery is an expendable product, the battery operating time decreases through frequently repeated charge and discharge.
 - A new battery to be purchased when the operating time is reduced halfway.
- Keep the contactors of battery clean and dry.
- Plug out a charger in order to protect the phone when a lightning strikes.

BASIC OPERATION

- ① Turning The Phone On and Off
(With SIM Card Installed.)
- ② Installing SIM Card
- ③ Basic Functions
- ④ Entering Letters and Numbers

CHAPTER 2

TURNING THE PHONE ON AND OFF

TURNING THE PHONE ON

when SIM CARD is installed.

Press and Hold

 Until LCD on.



- When The phone is locked “pin code” is displayed on the screen. then, enter the 4-digit password to unlock the phone.
- Your default pin code is 1234.

TURNING THE PHONE OFF

Press and Hold

 until LCD off.

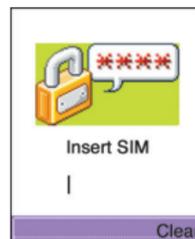


- If “LOW BATTERY WARNING POWER OFF” is displayed and the power goes off.
- Change or charge the battery immediately.
- If the battery is removed while the phone is on, any unsaved messages or features could be lost and a damage might be caused to memory.



INSTALLING SIM CARD

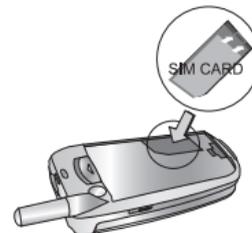
- 1 To connect to your network operator your phone must have a SIM CARD installed.



- 2 You are prompted to press [] to display a list of available phone languages.



- 3 The SIM CARD slot is located beneath the battery. Install the SIM CARD, gold-plated side down and the cut corner fit in the slot. Never use force. Avoid touching the gold-plated side of the SIM.



INSTALLING SIM CARD

4 Turn on the phone by pressing and holding the endkey for a few seconds.

Press and Hold

 Until LCD on.

5 You are prompted to enter the PIN code.



6 Enter the network-supplied PIN code and press [].



7



BASIC FUNCTIONS

MAKING A CALL

1 Enter a phone number.

To erase the last number you entered, press [].



2 Press [].

- “NETWORK BUSY” or “CALL FAILED” message is displayed when the call does not connect.

- If you select the REDIAL in setting menu (refer to p.86) function, the call will be retried automatically for the time you have selected.

- Press [] to end the call.

BASIC FUNCTIONS

RECEIVING CALLS

1 The phone rings



To reject or terminate a call press the []

Caller ID Function

You can view caller ID.

2 Open up folder and talk into phone.

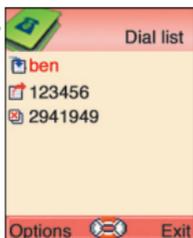
- When folder is open, press [] or [] button.

To end a call, close up the folder or press [].

With ear-microphone in use, press and hold [send/end] on the ear-microphone to receive or end a call.

If you send a call, the called number will be stored in the **Dial list**.

To retrieve a number, press [] to open the list, scroll to an appropriate number and press [] to place a call.



BASIC FUNCTIONS

RECEIVING CALLS WITH PHOTO

1 The phone rings

2 Open up folder and talk into phone.

- When you select "Photo" at "New" in "Phonebook"(after selecting phone), the photo set in incoming is displayed in the popup window.
For details of "New" see page 106.



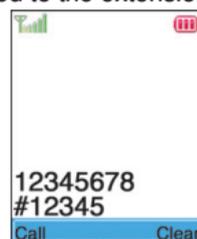
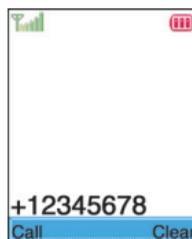
BASIC FUNCTIONS

INTERNATIONAL CALLS, CALL TO AN EXTENSION, EMERGENCY CALL

To make a domestic call, simply enter the desired number and press [] or [] key. A calling or busy tone will sound. To end the call, press [].

Some countries (e.g. USA) use area codes. In this case you must enter an area code before the a phone number (no space between them).

- 1 To make an international call, press [] until + is displayed. Then enter country code, area code if necessary and finally phone number. (no spaces allowed)
- 2 To make a call to an extension line you may have to go through an automated switch-board.
To do so:
 - Enter a phone number.
 - Press [] once.
 - Enter the extension number.Press [].
 - the call will automatically be routed to the extension line.
- 3 You are able to make emergency calls at all times, even without a SIM card installed. You will be prompted to confirm your call. (to avoid faulty calls)
Emergency call number : 112



ENTERING LETTERS AND NUMBERS

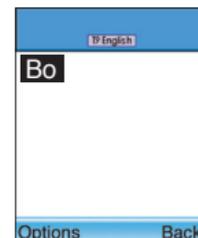
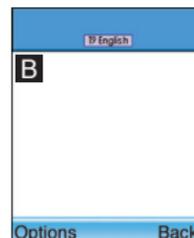
An input mode is activated when necessary to enter letters and numbers, especially when you add a new phonebook entry, write a new message and set a certain feature. In input mode, you are to enter letters, numbers and symbols through keypad. T9 language has its built-in dictionary that helps the phone come out with an appropriate word by referring to key inputs. The dictionary predicts what word you are to enter as you press each key. The phone supports the following languages.

T9 Language

Press [], move to 'sel.Method' then, press [].
Move to one of the following options and press [] to select it.
(English / Chinese Simp. / Chinese Trad.)

Press [] to go back to the input window. press a key once at a time to enter a word.
Press [] or [] to view a list of words and press [] to select it and add a space when a word appears.

Ex) To enter Boy(select english in "sel.Method") : Press [] to select a letter case.
Press [], [], [].
Use [] or [] to find a word.
Press [] to select it and add a space.



ENTERING LETTERS AND NUMBERS

ABC

Press [], move to 'ABC' then, press [].
press a key to see its assigned alphabets and keep pressing the key until an alphabet appears in the display.

123

Press [], move to '123' then, press [].
enter numbers through keypad.

SYMBOLS

Press [], move to 'Symbols' then, press [].
press [] or [] to view a different set of symbols
assigned to each key.
press a key, and you will return to the previous mode.



ENTERING LETTERS AND NUMBERS

KEY FEATURES

In English input mode, the following keys help enter letters, numbers and symbols.



Press [Soft1] to select an input mode; ABC, 123, Symbols, T9 language.



Press [Soft2] to clear a digit.



Press [Navigation key] to move a cursor.



Press [*] to select letter case (English mode only), or press and hold it to change to symbol mode.



Press and hold [0] to change to 123 mode & T9 Pinyin.



Press [#] to enter # . , ; : " ' ? ! or press and hold it to change to ABC mode & T9 Pinyin.

MENU

CHAPTER 3

① Message

② Internet

③ Organizer

④ Games

⑤ My Phone

⑥ Settings

⑦ Camera

MESSAGE

To move directly to message menu, press [] in idle mode.

SMS

Press

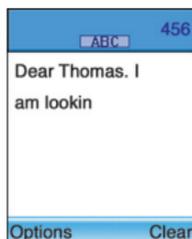


WRITE NEW SMS

1 Press [] to select "Write new SMS".

Write your message using a maximum of 456 Latin characters.

While you type, the remaining free space is stated by a counter in the top right corner.



To include a picture or a sound in your SMS, select **Attach** on left softkey. The picture & sound **Import** manager opens.

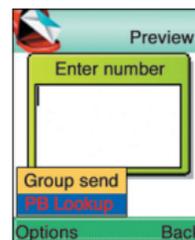
Select Animation or Melody and scroll to select the desired item-Press []. The item is inserted in the text. Press [] to back the edit screen.



MESSAGE

2 Input a message, Press [] and you will see the preview of message.

3 Press [] again, enter a phone number then, press [].

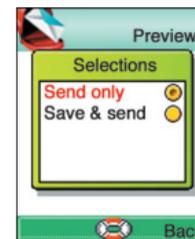


Press  to select "Option".

Group send : To send a message to a group.

Phonebook : To lookup a number from phonebook.

4 Choose Send only or Save & send. press [].



5 Press [] to confirm it.

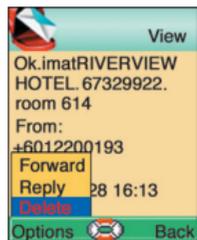
THAT USING MORE THAN 153 CHARACTERS WILL REQUIRE AN EXTRA SMS MESSAGE TO BE SENT, MORE THAN 306 WILL REQUIRE THREE MESSAGES. SOME LANGUAGES MAY HAVE CHARACTERS THAT WILL RESULT IN UP TO SEVEN MESSAGES.

READ MESSAGES

An incoming message alert will be shown in the start screen (and with a tone or vibration if so selected).



1 Press (Open the Message.)



Press to select "Option".

- Forward : Forwards a message to another.
- Reply : Reply a message.
- Delete : Deletes a message.

To postpone reading of a new SMS, press **Later**.

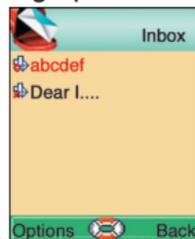
The message is stored and the will appear in the start screen.

INBOX

1 Press

To read a SMS received earlier, go to the Messages menu:
 -In the SMS menu, scroll to SMS Inbox.
 indicates a read message, while an unread message.
 -Select the desired message and press [OK] to read.

Press [] to select one of the following options.



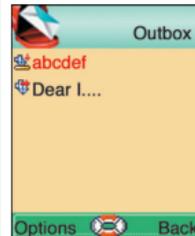
- Forward : Forwards a message to another.
- Reply : Reply a message.
- Call: Places a call to a sender.
- Delete : Deletes a message.
- Read : Reads a message.

OUTBOX

1 Press

To edit a sent or Save Only message:
 - Scroll to Outbox. Select a message.
 indicates a save only message, while indicates a sent and save message.

Press [] to select one of the following options.



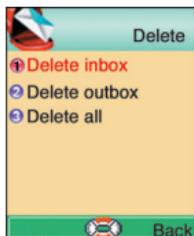
- Forward : Forwards a message to another.
- Edit : Edits a message.
- Send : Sends a message.
- Delete : Deletes a message.
- Read : Reads a message.

DELETE

Press



- 1 You are to select one of the following options and press [] to delete messages.



- 2 Press [] to confirm it or [] to return to the previous page.

Delete messages regularly to avoid unnecessary usage of memory.

SMS TEMPLATE

Press



Write a text template and, press [] to save it. You can enable the use of the template in the 'Selections' menu in 'SMS settings'.

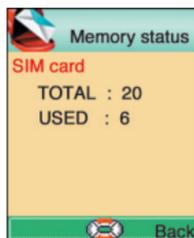


MEMORY STATUS

Press



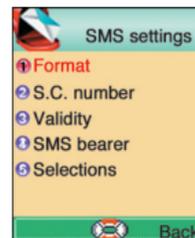
Displays the used and free memory available in the respective message.



SMS SETTINGS

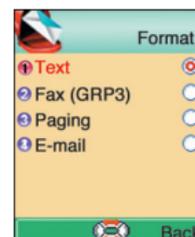
To set sms features.

Press



FORMAT

- 1 Press [] to select "Format".



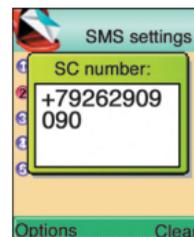
- 2 Select one of the available formats and press [] to save it.

Text format is default.

You are to select one from four alternative data formats if made available by network service provider.

SERVICE CENTRE NUMBER

- 1 Press [] to select "S.C number".



- 2 Enter your operator Service Center number.

MESSAGE

SMS

VALIDITY

This allows you to select a period a sent message will be kept by network.

1 Press [] to select “Validity”.

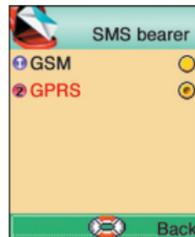


2 Select one of the available options and press [] to save it.

SMS BEARER

Your network subscription must include GPRS services for you to use this.

1 Press [] to select “SMS Bearer”.

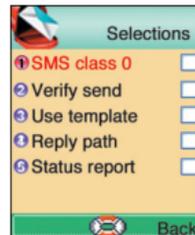


2 Select GSM or GPRS connection and press [] to save it .

MESSAGE

SELECTIONS

1 Press [] to select “Selections”.



2 Move to one of the available options and press [] to enable or disable each option.

SMS Class 0 .

Incoming class 0 messages will not be stored, but only shown in the display. New messages will thus overwrite previous.

Verify send .

Initiates confirmation request before sending.

Use template .

Input mode starts with template text.

Reply path .

Allows a recipient to use a sender's service center.

Status report .

In this function, check the checkbox and send the SMS, and the receiver reports the receipt of SMS.

MESSAGE

MMS

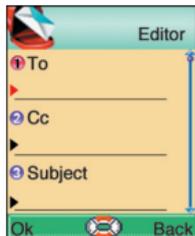
Multi Media Messaging changes the way you message, allowing you to send text, photo, pictures and sound all in one message to other mobile users.

Press



CREATE MSG

1 Press [] to select "Create Msg".



To

Enter a receiver's phone number.

- If you want to select a number in Phonebook when you enter it, press the to select "PB Look up".
- If you want to send the message to several persons, insert "," between the telephone numbers.

Maximum allowable number of persons is 4.

Cc

Enter a phone number or E-mail address.

- If you want to select a number in Phonebook when you enter it, press the to select "PB Look up".
- If you want to send the message to several persons, insert "," between the telephone numbers.

Maximum allowable number of persons is 4.

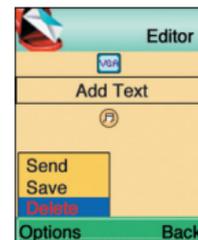
Subject

Enter a message title.

2 Finish entering, and then press the [].

MESSAGE

3 Enter VGA, ADD TEXT, and ADD SOUND in the EDITOR FUNCTION.



4 Use [] and [] to select region press [] button to add object.

5 Prepare a message and press the [] to select Send, Save, and Delete.



If you are upgrading your phone, and your previous phone did not support Multi Media Messaging, to use Multi Media Messaging you must insert your new SIM Card.

VGA

Select the data folder that you want and select an image from within it.

Use this feature to send photo messages.

- When "photo" is selected:

Select a photo, which the user have taken by using Camera Menu.

- When "User" is selected:

Select the image that you have downloaded through MMS or Java.

(For details of image see page 65.)

Add Text

Enter any text that you want to have in the message.

Add Sound

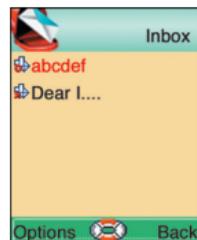
Select the data folder that you want and select a sound from within it. the sound will play when the message is opened or played.

MESSAGE

MMS

INBOX

1 Press [] to select "Inbox".



Stored incoming message and notification.

Press  to select "Option".

- View
- Forward
- Reply

OUTBOX

1 Press [] to select "Outbox".



Your sent message will be stored in your outbox.

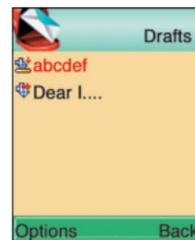
Press  to select "Option".

- Send
- Delete All
- Delete
- View

MESSAGE

DRAFTS

1 Press [] to select "Drafts".



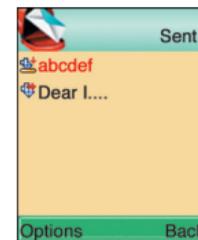
Composed messages that have not been sent.

Press  to select "Option".

- Send
- Delete All
- Delete
- View

SENT

1 Press [] to select "Sent".



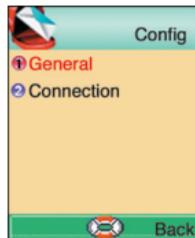
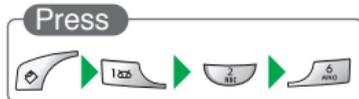
Previously sent messages.

MESSAGE

MMS

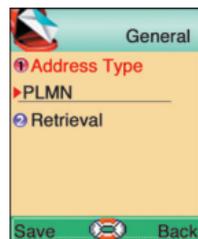
CONFIG

Set configuration value.



GENERAL

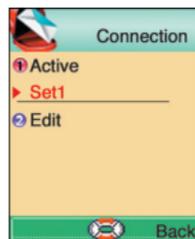
1 Press [1] to select "General".



2 Select "Save & Send" to toggle check box and select retrieval by press [OK] in each item, then press [Home] to save it.

CONNECTION

1 Press [2] to select "Connection".

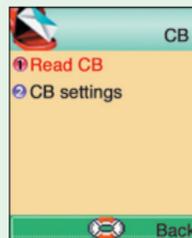


5 different settings can be stored. Connection setting has two sub menu. select an active set out of 5 settings. And edit connection setting.

MESSAGE

CB

Press



Cell Broadcast (CB) is a network provided service. Check with your operator about the details. When you receive a CB, it will appear automatically in the display.

READ CB

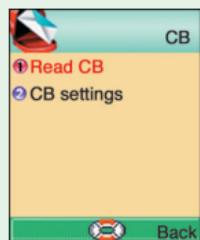
1 Press [1] to select "Read CB".

Messages will be stored in the memory, but new messages will overwrite old ones received on the same channel. To read the last messages stored, enter the Messages menu and select CB message and select read cb, then select the channel you want to read.

MESSAGE

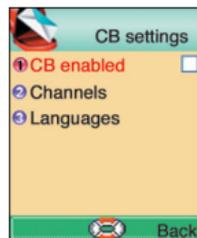
CB

Press



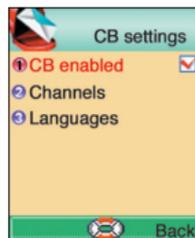
CB SETTINGS

- 1 Press [] to select "CB settings".



CB ENABLED

- 1 Press [] to select "CB enabled".

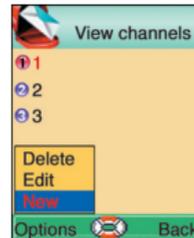


- 2 To enable CB, mark up the checkbox with [].

MESSAGE

CHANNELS

- 1 Press [] to select "Channels".



- 2 You are to view existing channels and add a new channel.

To add, edit or delete, press []

LANGUAGE

- 1 Press [] to select "Language".



German, English, Italian, French, Spanish, Dutch, Swedish, Danish, Portuguese, Finnish, Norwegian, Greek, Turkish, Chinese

- 2 Move to the desired language using the [], and then press the [].

- 3 Press [] to save it.

INTERNET

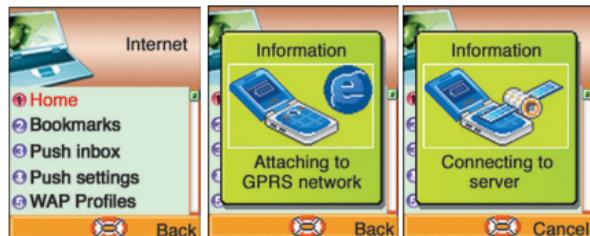
The phone has a WAP browser, which enables you to access mobile internet services.

HOMEPAGE

WAP is a technology that enables you to access the Mobile Internet via your phone. Depending on your place of purchase, and provided that your network operator supports WAP, your phone is most likely set with the necessary information. To access the mobile internet for the first time, please follow the instructions.



The display shows
"Connecting to server – Requesting data"



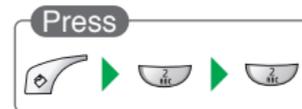
When connection is established, the "Home" URL will be displayed. Follow on-screen instructions to browse the homepage or enter another homepage via the Options softkey [] menu.

The first two submenus will be Home and Bookmarks. Home will most likely be the homepage of your network operator and as no other WAP-sites are bookmarked yet, you are able to add any homepage to bookmarks.

INTERNET

BOOKMARKS

You can access any WAP homepage by entering the relevant URL in the editor. The input must start with the text string `http://` to access the page. Accept the input with OK. Up to 50 URL's can be stored and later accessed from the Bookmarks menu, using the commands:



Select. Opens the list of WAP bookmarks.

Edit. Edits the list of WAP-sites.

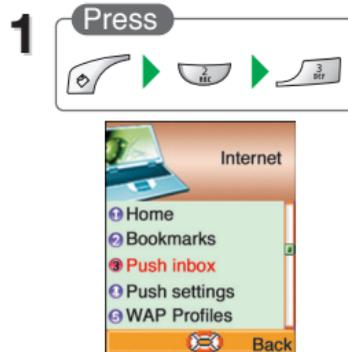
Add. Opens an editor to add a homepage to Bookmarks.

Delete. Opens the list of WAP-sites. Delete a homepage from bookmarks and press [].

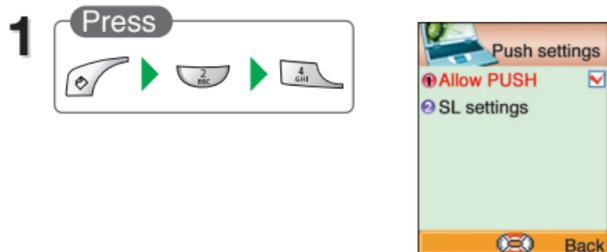
- Some WAP pages may be password protected and prompt you to enter a user name and password. However, on many WAP sites you can enter as a guest, but you may not be eligible to browse the entire site.
- Some network operators enables you to receive and read your E-mail via WAP. In most cases this service requires you to give the operator your Internet account details and password. The operator will then retrieve your mail and send it to you as a WAP page. Contact your operator for details.

PUSH INBOX

If your network operator supports Push technology, you can receive messages from WAP service providers. The messages will be announced by a pop-up alert and stored in the Push Inbox. To personalize Push, go to:



PUSH SETTINGS



- 2 Press [] to enable or disable it.
Press [] and select one of the following options.

1. **Allow PUSH** :
 2. **SL settings**
Always ask.
 WAP-site will open upon your confirmation.
Always open.
 WAP-site will open automatically.
Open when WAP.
 WAP-site will open if you are in a WAP session.

WAP PROFILES



- 1 Select one of the following items and press [].

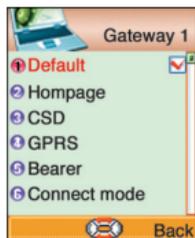


If you get a “Wap settings incomplete” message, your phone is not set up for WAP. You will need set-up information from your network (marked with in this manual). Check the sales package or contact your network operator. With the information at hand:

WAP PROFILES

DEFAULT

1 Press [] to select "Default".



Make up 'Default ' to make this your Home. You can configure five different gateways, but only one of them can be "Home".

HOMEPAGE

1 Press [] to select "Homepage".

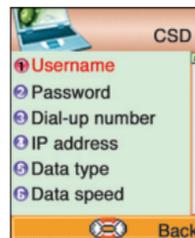


-Enter a url and press [] to save it.

 Homepage (e.g.:http://wap.aol.com)

CSD

1 Press [] to select "CSD".
In each item, you are to enter data or select an option.



-  Username
-  Password
-  Dial-up number
-  IP address
-  Data type (Analog / ISDN)
-  Data speed (9600 / 14400)
-  Idle Timeout (1minute / 2 / 3 / 4 / 5)

GPRS

1 Press [] to select "GPRS".
In each item, you are to enter data.



-  Username
-  Password
-  APN (Access Point Name)
-  IP address (The IP Address is a 12 digit code. When typing it, enter 0 for "blank" spaces.)

BEARER

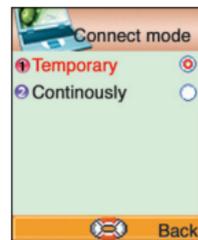
- 1 Press [] to select "Bearer".



- 2 Select one from the bearer list and press [] to save it.

CONNECT MODE

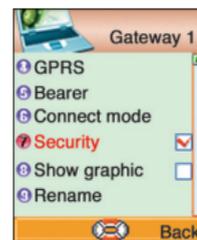
- 1 Press [] to select "Connect Mode".



- 2 Select temporary or continuously. Press [] to save it.

SECURITY

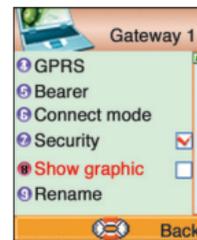
- 1 Press [] to select "Security".



Make it up this to enable the use of encrypted transmission which some URLs may require.

SHOW GRAPHICS

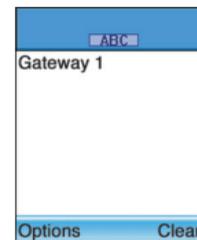
- 1 Press [] to select "Show Graphic".



Make it up to include graphic elements in the display.

RENAME

- 1 Press [] to select "Rename".



- 2 Edit a name of the gateway.



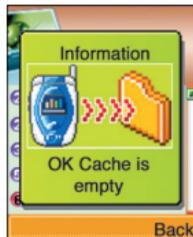
Repeat the setup procedure for the remaining four gateways to create alternative "Homes".

INTERNET

EMPTY CACHE

1

Press



To provide quick access to your favorite web sites, information is stored in the phone's cache memory. It is recommended that you empty your cache memory regularly to avoid congestion.

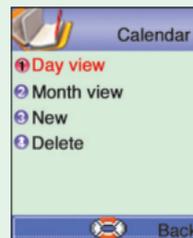
ORGANIZER

The Organizer is a practical tool that will help you to keep track of your appointments and alert you of meetings, celebrations, events etc.

CALENDAR

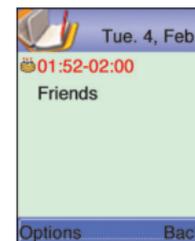
To set and view appointments.

Press



DAY VIEW

1 Press [1&2] to select "Day View".



In Day view, you can check appointments for the day. You can scroll through the entries and use [OK] to view an appointment. press [Home] to add an appointment and edit or delete it.

Press [Home] to select "Option".

Month : To move to 'Month view'.
New : To add an appointment.
you are to select one of the following categories.
(Meeting/ Birthday / Memo)
Delete : To delete a selected appointment.
View : To display a selected appointment.

2 Use [OK] and [OK] to select a schedule and press [OK] to view it.

CALENDAR

MONTH VIEW

1 Press [] to select "Month View".



- A calendar is displayed with appointments. the date with an appointment is shown in green color, while a selected date is in violete.

- The wallpaper for calendar changes as a new season is selected.

2 Use [] to select a date and press [] to view appointments on the particular date.

3 Select an appointment and press [] to do the following options.

Press [] to select "Option".

Day view : To move to 'Day view'

New : To add a new appointment.

Press [] to select "Option".

New : To add an appointment.

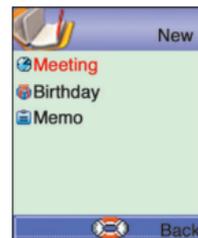
you are to select one of the following categories (Meeting/ Birthday / Memo).

Delete : To delete a selected appointment

View : To display a selected appointment.

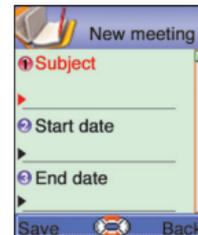
NEW

1 Press [] to select "New".



In 'New' you can enter a new appointment. Define it as a Meeting, Birthday or a Memo. Select one and enter the relevant information in the text editor.

Use [] to scroll through the entry fields:

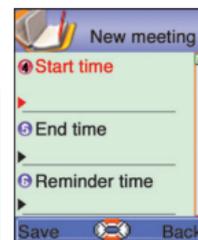


Subject

To enter a title for an appointment.

Start and End date, Start and End time.

To set a date and a time to start or end an appointment



Reminder

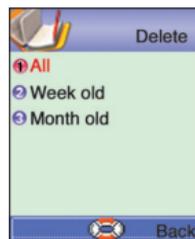
To set a reminder to give you an alert to appointment.

ORGANIZER

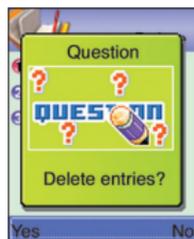
CALENDAR

DELETE

1 Press [] to select "Delete".



3 Press [] to confirm it.



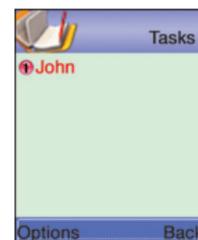
2 Select one of the following items and press [].

1. All : Delete all appointments.
2. Week Old : Delete the appointments that is a week old.
3. Month Old : Delete the appointments that is a month old.

ORGANIZER

TASKS

1



To put down things to remember.

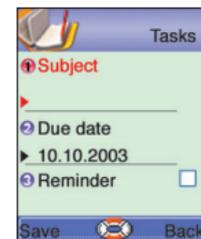
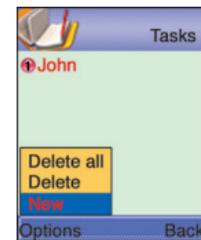
The Tasks list is an electronic notepad that will help you to remember things to do. The list is accessed in the Organizer folder.



If no tasks are entered in the list, the screen will display "No entries."

NEW

1 Press [] to select "Options".



2 Select a "New" item and press [] to create a new task.

3 Move to each field to enter data.

1. Subject : Enter a title for a task.
2. Due Date : Enter a due date for a task.
3. Reminder : Mark it up and you are prompted to enter its date and time.
4. Reminder Date
5. Reminder Time

If one or more tasks are entered, you can choose among the following options: Delete all, Delete, New



You can enter up to 10 different tasks, each with a maximum 20 characters, and set an alarm to remind you.

ORGANIZER

ALARM

Press



Press  to select "Option".
- Delete all
- Delete

ALARM 1,2,3

1 Press [  ] to select "Alarm 1, 2, 3".



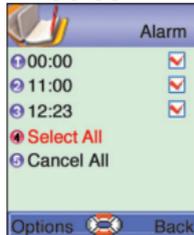
2 Press [] to mark up 'Alarm on' to enable the alarm.

3 Enter a time, select alarm type and sound.

Time - Set a alarm time.
Alarm type - Everyday, Workday, Defineself.
Sound - Alarm1~5.

SELECT ALL

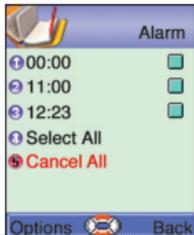
1 Press [] to select "Select All"



Select a alarm 1~3.

SELECT ALL

1 Press [] to select "Cancel All"

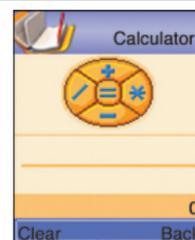


Select a alarm 1~3.

ORGANIZER

CALCULATOR

Press



To use the calculator.



Press [] to clear a digit or press and hold [] to clear all inputs.

Enter a figure and press a +, -, *, / as a assigned in navigation keys.
Enter another figure, then press [].
The result will be show on the bottom line.

Example :



Enter 200 and press [].

Enter 25 then press [].

The result 225 will be show in bottom line.



If you want to continue the calculation, do not select =, but press [] then repeat the above procedure. to finish the calculation, select [].

GAMES

MIRROR IN ACTION

Press



The objective is to shoot down enemy ships using reflecting mirrors to aim the lasers.

Be careful because when you use a laser you need to recharge it. During this time your enemy has a chance to regroup and attack you when you are not in a position to defend yourself.

As you move onto subsequent levels the mirrors are positioned at different angles making your task harder.

MYPHONE

The default settings with regard to the sounds and display are easily changed.

IMAGE

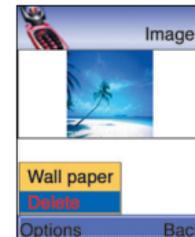
Press



Press  to select "Option".

- Delete
- View

1 Use [] and [] to select a image and press [] to view it.



This function manages the downloaded images. You may save up to 10 images.

The default settings with regard to the sounds and display are easily changed.

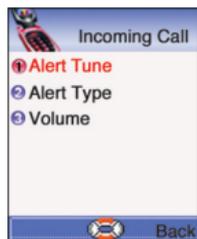
AUDIO

Press



INCOMING CALL

1 Press [] to select "Incoming Call".



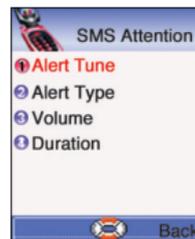
Alert Tune - Select one among 10bells, 30melodies and some downloaded melodies.

Alert Type - Select one of the available options .
(1.Tone only/2.Tone+Vib/3.Tone after Vib/4.Vibration Only)

Volume - Volume can be controlled in 7 levels through [] and []

SMS ATTENTION

1 Press [] to select "SMS Attention".



Alert Tune - 10 different SMS alert tunes.

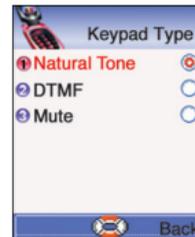
Alert Type - Select one of the available options.
(1.Tone only / 2. Tone +Vib / 3.Vibration Only)

Volume - volume can be controlled in 7 levels through [] and [].

Duration - a function to set the alarm that notices unread messages.(1.Once / 2.Periodic)

KEYPAD TYPE

1 Press [] to select "Keypad Type".



2 Select one of the available keypad tone type and press [] to save it.

INFO TONES

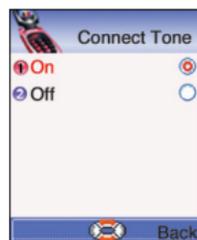
1 Press [] to select “Info Tones”.



2 Select On or Off and press [] to save it.

CONNECT TONE

1 Press [] to select “Connect Tone”.



2 Select On or Off to set call connection tone. Press [] to save it.



1 Select the desired Wallpaper using the [] [] key.

2 Press the [] or [], then the Idle screen is changed.

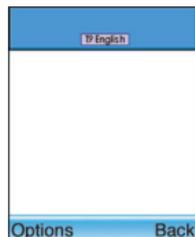
GREETING

You can enter a greeting, set an animation for start-up or shutdown and set a greeting time.



TEXT EDIT

1 Press [] to select “Text Edit”.



2 Enter a greeting of your own and press [] to save it.

SELECTIONS

1 Press [] to select “Selections”.



2 You are to set one of the following options for either start-up or shutdown.

- 1. Start-up : Greeting / Animation / None
- 2. Shutdown : Animation / None

GREETING TONE

1 Press [] to select “Greeting Tone”.



2 On or Off to set a greeting tone when the phone is turned on.

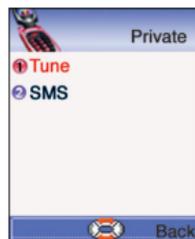
CALLER GROUPS

You can create Caller Groups from the contacts in your phone book to identify a caller by sound alone.



1 Use [] to moved to a caller group.

2 Press [] to select it.



TUNE

1 Press [] to select "Tune".

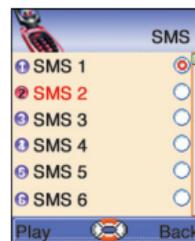


2 Select one of the available tunes and press [] to save it.

You can designate a tune for a group.

SMS

1 Press [] to select "SMS".



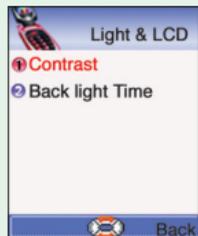
2 Select one of the available alerts and press [] to save it.

You can designate a type of alert for a group.

LIGHT & LCD

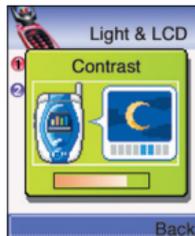
Your phone has a back-light LCD display with full graphic capability. You can set Contrast, backlight time.

Press



CONTRAST

- 1 Press [] to select "Contrast".

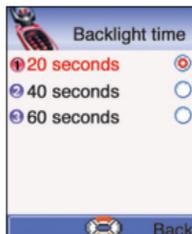


- 2 Use [] and [] to select a contrast level.

You can adjust the display contrast.

BACKLIGHT TIME

- 1 Press [] to select "Backlight time".



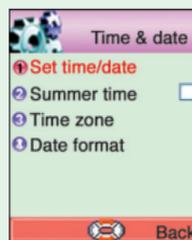
- 2 Select one of the following backlight time and press [] to save it.

You can adjust how long the Backlight stays on. (20/40/60 seconds)

TIME & DATE

The Settings menu is used to set basic parameters for the phone such as language, time & date, data transfer, security, network and call settings.

Press



SET TIME / DATE

- 1 Press [] to select "Set time / Date".



- 2 You are to set the present time & date.

1. Present Time
2. Present Date

SUMMER TIME

- 1 Press [] to select "Summer Time".



- 2 Mark up 'Summer time' through [] to apply daylight saving time.

Box If you wish to apply daylight saving time

SETTINGS

TIME & DATE

TIME ZONE

- 1 Press [] to select "Time zone".



- 2 Use [] and [] to select a timezone and press [] to save it.
- 3 You are to select your current location.

DATE FORMAT

- 1 Press [] to select "Date Format".



- 2 Select one of the date formats and press [] to save it.

SETTINGS

LANGUAGE

Press



- 1 Use [] to select a language.



- 2 Select one of the available languages and press [] to save it.

The display will change to the selected language.

SETTINGS

DATA

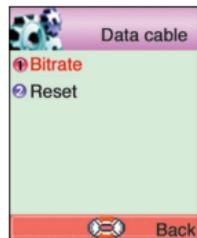
You are set parameters for data transmission from your laptop or PC.

Press



DATA CABLE

1 Press [] to select "Data Cable".

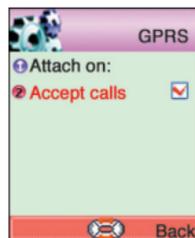


2 Set each parameter and press [] to save it.

- Bit rate : (300 / 1200~ / 115200)
- Reset : You are to reset it.

GPRS

1 Press [] to select "GPRS".



2 Set each parameter and press [] to save it.

1. Attach on
2. Accept calls : You are to mark this up to enable it.

SETTINGS

SECURITY

Press



ENABLE PIN 1

1 Press [] to select "Enable PIN 1".



2 Mark it up to enable pin code 1 and press [] to save it.

CHANGE PIN 1

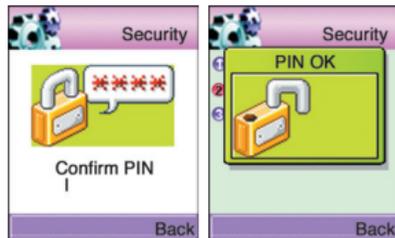
1 Press [] to select "Change PIN 1".



2 Enter your old pin code followed by the new code.



3 Confirm it when prompted. Press [].



That if you enter an incorrect PIN code three times in succession, your SIM card will lock and you must enter the PUK code to unlock. PIN and PUK codes are either supplied with your phone or must be obtained from your network provider or place of purchase.



CHANGE PIN 2

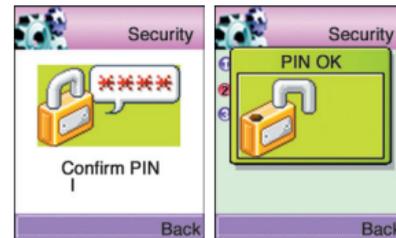
1 Press [] to select "Change PIN 2".



2 Enter your old pin code followed by the new code.



3 Confirm it when prompted. Press [].



That if you enter an incorrect PIN code three times in succession, your SIM card will lock and you must enter the PUK code to unlock. PIN and PUK codes are either supplied with your phone or must be obtained from your network provider or place of purchase.

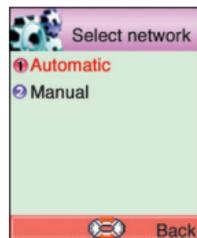


Press



SELECT NETWORK

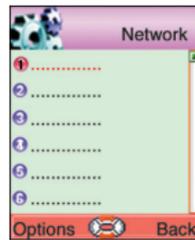
1 Press [1] to select "Select network".



2 Select automatic or manual.

PREFERRED NET

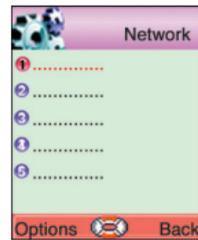
1 Press [2] to select "Preferred net".



The phone will search this list from the top. Left softkey options roll-up enables you to Add or Insert a new network. If you use Add, the new network will be added to the end of the list (having the lowest priority). Insert will insert the network in the list where the cursor is placed.

ADD NETWORK

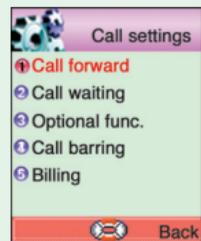
1 Press [3] to select "Add network".



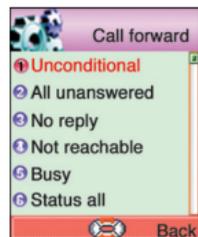
To add a new network, start by selecting an empty network entry from the Add network menu. Press OK. A text editor will appear. Enter the name(input english) of the network followed by the Mobile Country Code (MCC) and the Mobile Network Code (MNC). This information is supplied by your network operator.

CALL SETTINGS

Press



1 Press [] to select “Call forward”.



Unconditional:

To forward all incoming calls to a specified number.

All unanswered:

To forward all calls that you do not answer within a specified period of time.

No reply:

To forward calls those are not replied.

Not reachable:

To forward calls when you are out of network range.

Busy:

To forward calls when your phone is busy.

Status all:

To summarize the status of call forward options.

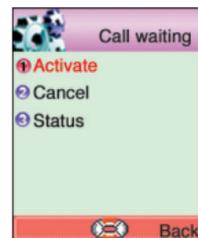
Cancel all:

To cancel all call forward settings

A specific number can be designated for each option, and you can activate, view or cancel the present status. Follow the on-screen instructions.

CALL WAITING

1 Press [] to select “Call waiting”.

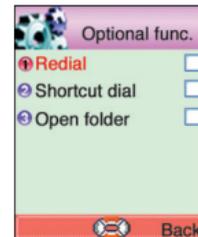


This function notifies you of another call during a telephone conversation. Enter the menu to Activate or Cancel Call waiting or to see the Status. If Call waiting is active, and you are called during a conversation, you will hear a faint ringing tone in the background. To answer the new caller without losing contact with the original party:

- Enter Options roll-up menu.
- Select Switch calls.
- Conduct the conversation with the new party and select Switch calls to return to the first caller. Select Join calls to conduct a three-party conversation.

OPTIONAL FUNC.

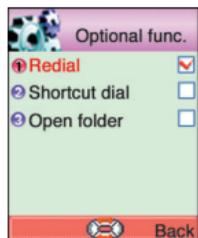
1 Press [] to select “Optional func.”.



This menu contains various settings to facilitate daily use.

CALL SETTINGS

2 Press [] to select "Redial".

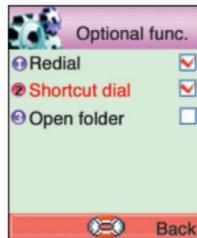


Redial .

Activates automatically redialing of your last unsuccessful call. The number will be redialed after 5 seconds (1 time), after 1 minute (3 times) and after 3 minutes (10 times). If this sequence is completed without connection established, the number must be manually dialed for a new attempt.

To manually abort the redial sequence, press []. To manually redial last number called, press [] twice in a row.

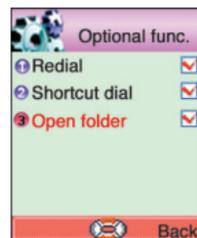
3 Press [] to select "Shortcut dial".



Shortcut dial.

If you activate Shortcut dial, you can dial phone numbers from the Shortcut list by pressing just one or two digits.

4 Press [] to select "Open folder".

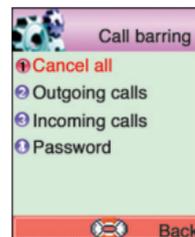


Open folder.

Set the phone to answer a call with any key, (except), e.g. the earpiece volume control on the side, to answer your calls.

CALL BARRING

1 Press [] to select "Call barring".



You can lock the telephone to reject incoming calls or bar outgoing calls, domestic or international. Call barring is a password protected network service, and details should be acquired from your network.

1.Cancel all - To cancel all call barring settings.

2.Outgoing calls - To cancel all call barring features of outgoing calls, or decide what type of outgoing calls is to be barred. (1.cancel all / 2.all calls / 3.all internat. / 4.except to home)

3.Incoming calls - To cancel all call barring features of incoming calls or decide what type of incoming calls is to be barred. (1.Cancel all / 2.All incoming / 3.When abroad)

4.Password - To set a password.

SETTINGS

CALL SETTINGS

BILLING

1 Press [] to select “Billing”.



You can keep track of your calling expenses by setting the “Billing” feature. Scroll to Billing. Press []. Enter the submenus:

Total calls - To view the total amount of time and units used.

Last call - To view the duration of the last call.

Set max units - To set a maximum of units available for a call.

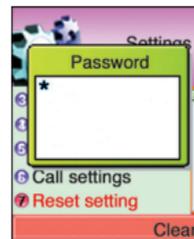
Units left - To view the number of units left on your account.

Price/unit - To enter a network price for the units.

Currency - Displayed if supported by your network.

SETTINGS

RESET SETTINGS



Return all settings to factory defaults. the power goes off automatically. if you want to delete photo image can use to camera menu.

The default password is the “1234”.

CAMERA

PHOTO SHOT

Press



To move directly to camera menu, press [] in idle mode.

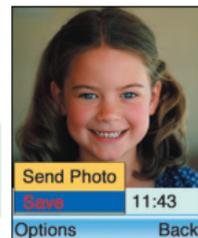
1 Press [] to select "Photo shot".



2 Press [] to take a photo.

3 Press the [] to select Save or Send Photo.

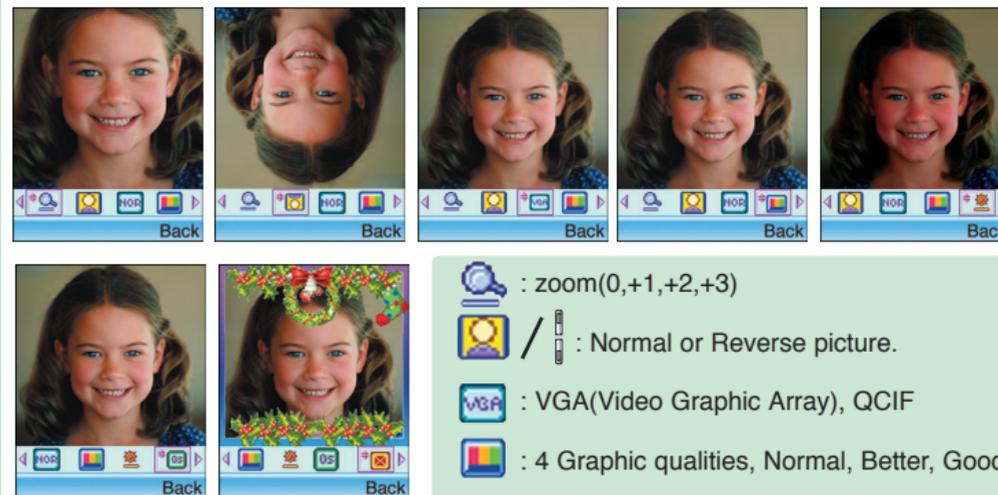
Select Send Photo, and you reach MMS Menu.
For details of MMS, see Page 40.



4 Enter name and press [] to save it.



CAMERA



- : zoom(0,+1,+2,+3)
- / : Normal or Reverse picture.
- : VGA(Video Graphic Array), QCIF
- : 4 Graphic qualities, Normal, Better, Good & Best.
- : 7 Levels of contrast, -3 to +3.
- : Shutter speed, 0 or 10sec.
- : 5 Types of sticker.

CAMERA

PHOTO SHOT

CAMERA USE WITH THE FOLDER CLOSED

- 1 With the folder closed, press the [] for more than 2 seconds. Sub LCD enters the Preview Mode.



The photograph is saved at the Photo List of the Photo Manager in the Camera Menu. Press the [], then you can edit it.

- 2 Press the [] short, a photograph is taken.

- 3 If you want to return to the idle mode, press again the [] for more than 2 seconds.



Although, as SUB LCD is 256COLOR OLED, its resolution seems low in the PREVIEW state, but the photograph is normally saved.

CAMERA

MOTION SHOT

Press



- 1 Press [] to select "Motion shot".



SHOT

- 1 Press [] to select "Shot".



- 2 Press [] or [] to take a motion.



Motion frame : 100frame (time : about 15sec)

CAMERA

MOTION SHOT

- 3 Press [] to enter name and press [] to save it.



VIEW

- 1 Press [] to select "View".



Press [] to display the following items.

Information : To display a time and date in motion.
 Rename : To rename a motion.
 Delete all : To delete all.
 Delete one : To delete one.

- 2 Select one from the view list and press [] to play.



: BACK

: PAUSE

: STOP

: PLAY

CAMERA

PHOTO MANAGER

Press



- 1 Press [] to select "Photo Manager".



PHOTO LIST

- 1 Press [] to select "Photo List".



Press [] to display the following items.

Send Photo : It makes you reach MMS Menu.
 Wallpaper : To set for idle mode.
 Rename : To rename a picture.
 Information : To display a time and date in picture.
 Delete All : To delete all.
 Delete One : To delete one.
 Delete Multi : To delete several ones.

PHOTO MANAGER

PHOTO NAME LIST

1 Press [] to select "Photo Name List".



Press [] to display the following items.

Send Photo : It makes you reach MMS Menu.

Wallpaper : To set for idle mode.

Rename : To rename a picture.

Information : To display a time and date in picture.

Delete All : To delete all.

Delete One : To delete one.

Delete Multi : To delete several ones.

PHOTO SETTING

Press



1 Press [] to select "Photo Setting".



LOCK SETTING

1 Press [] to select "Lock Setting".



The default password is the "1234".

2 Enter password and press [] to enable lock setting.



Camera Lock.

Set the phone to camera lock.

Photo Lock.

Set the phone to photo lock.

CAMERA

PHOTO SETTING

PASSWORD

1 Press [] to select "Password".



2 Enter new password and press [].



The default password is the "1234".

CAMERA

MEMORY STATUS

Press



1 Press [] to select "Memory status".



Displays the used and free memory available in the respective camera.

PHONEBOOK

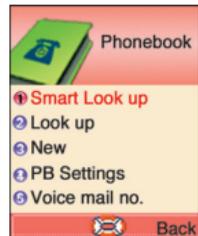
CHAPTER 4

- ① Smart Look up
- ② Look Up
- ③ New
- ④ PB Settings
- ⑤ Voice Mail no.

PHONEBOOK

You can use either the SIM card or the built-in Contacts database as your Phonebook. The database can store up to 250 contacts, with three phone numbers per contact along with the contact's complete postal address and email address. Number of contacts on the SIM card depends on your network. Choice of phonebook is the Options soft key menu in look up menu. (Select use SIM/Use Phone)

Press



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SMART LOOK UP

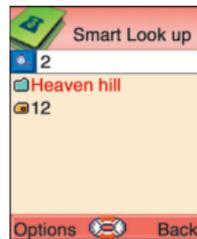
Press



This function enables you to search for a contact quickly

- 1 Enter a key in the text window.
- 2 Press [] to move to the contact and press [].
- 3 Press [] to make a call.

Ex) Press [] to find out the phone numbers and addresses including 2, A, B, and C characters.



PHONEBOOK

LOOK UP

When you select "SIM" in Select PB of options. (Press)

- 1 Press [] to select "SIM: Look up".



Press [] and you will see the following items displayed.

New
Delete all
Select PB
Delete
Edit
Call
Search
View

- 2 Scroll to find the desired contact and press [].

- 3 Press to make a call

When you select "Phone" in Select PB of options (Press)

- 1 Press [] to select "Look up".



Press [] and you will see the following items displayed.

New
Delete all
Select PB
Sorting
Delete
Edit
Call
Search
View

- 2 Scroll to find the desired contact and press [].

- 3 Press to make a call

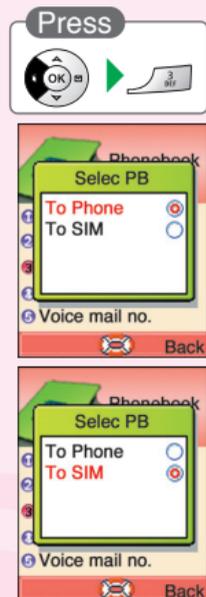


This is selected as ALL when you purchase the phone.

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NEW

To add a contact to the SIM phonebook:



When "To SIM" is selected.

1 Move to each field and press [] to enter its information accordingly.



- A text editor appears.
- Enter a name and press [].
- Scroll [].
- Enter a phone number and press [].

2 Press [] to save it after entering information.



If you have chosen Phone as your phonebook, up to three numbers can be entered along with address information for each contact.

When "Use Phone" is selected.

1 Move to each field and press [] to enter its information accordingly.



All the above data can be entered.

- 1.First name 2.Last name 3.Home 4.Mobile
- 5.Work 6.Calling group 7.Address
- 8.Zip code 9.City 10.Province 11.Country
- 12.E-mail 13.Photo

2 Press [] to save it after entering information.

If a different SIM card is inserted in the phone, you will be alerted of the option to copy data from this. You may also copy data to SIM cards, thus enabling you to share contact information with friends and colleagues. Copy features are located in the PB Settings submenu. (Optional)

PHONEBOOK

NEW

When you set "Photo"(Only available when you select "Phone" in "Select PB")

When the phone with the number to which "Photo" is set comes on, the photo set in the popup window is displayed.



- When you press the [OK] in "Photo", the photo list is displayed(The photos were taken by the user with the phone).



- When you press the [OK] to select the desired photo and then press the [Save], the check box is checked.

Press [Save] to save.



- After pressing "Options" on "Look up," you may select "Photo" on "Edit."
- The number saved in the SIM CARD cannot set "PHOTO".



- After pressing "Options" on "Look up," you may see the selected "Photo" on "View."

PHONEBOOK

PB SETTINGS

To alter settings in the Phonebook:



SHORTCUT DIAL

1 Press [123] to select "Shortcut dial".



Make calls using only one or two keys. Define a key combination (2-21) for your most accessed contacts. To include or remove a contact in the shortcut dial list, select a position and:

-Select New or Delete in the Options softkey menu.

-Choose the appropriate contact from the phone book. Press [OK].
-Any previous contact on the selected position will be overwritten.

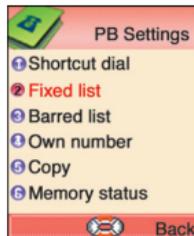


If you select SIM as your Phonebook, you will not be able to use Contacts database features (three phone numbers, address information), but still allowed to use caller groups or shortcut dial.

PB SETTINGS

FIXED LIST

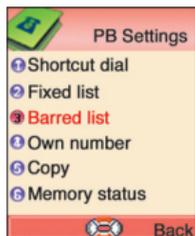
1 Press [] to select "Fixed list".



Use this to create a list of allowed numbers. When Active is ticked, the user can only access the listed numbers. Requires PIN 2 (see p. 81).

BARRED LIST

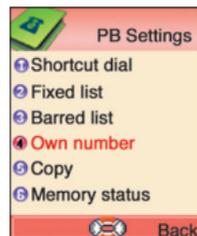
1 Press [] to select "Barred list".



Use this to create a list of barred numbers (if supported by network). If activated, the user can not access barred numbers. Requires PIN 2.

OWN NUMBER

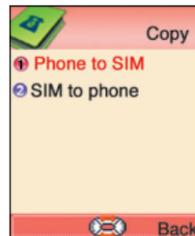
1 Press [] to select "Own number".



Store your own number for future reference. Some SIM cards will install your phone number automatically. If yours is not, simply enter it in the editor and press [].

COPY

1 Press [] to select "Copy".



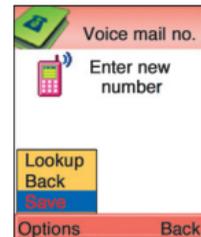
This function stores saved data in phonebook to sim card or sim to phone book.

MEMORY STATUS

1 Press [] to select "Memory status".



Displays the used and free memory available in the respective phonebooks. Reset Phone memory or SIM memory on left softkey. Be advised that this will erase all entries in the Phonebook that is reset.



1 Enter a Voice mail number.

- The options softkey allows you to do the following items.(Lookup / Back / Save)



Service numbers.

This is a network service and the menu will only appear if your network operator supports this service. The menu may contain various services, depending on the network.

MISCELLANEOUS

- ① Menu summary
- ② Cellular phone in brief
- ③ Abbreviations and acronyms
- ④ Questions and answers
- ⑤ Technical data

CHAPTER 5

MENU SUMMURY

Messages

SMS

- Write new SMS
- SMS inbox
- SMS outbox
- Delete
 - Delete inbox
 - Delete outbox
 - Delete all
- SMS Template
- Memory status
- SMS Settings
 - Format
 - SC number
 - Validity
 - SMS bearer
 - Selections
 - SMS class 0
 - Verify send
 - Use template
 - Reply path
 - Status Report

MMS

- Create Msg
- Inbox
- Outbox
- Drafts
- Sent
- Config
- CB
 - Read CB
 - CB Settings
 - CB enabled
 - Channels
 - Languages

Internet

- Home
- Bookmarks
 - Select
 - Edit
 - Add
 - Delete
- Push inbox
- Push settings
 - Allow push
 - SL. Settings
- WAP Profiles
 - Gateway 1~5

MENU SUMMURY

Default

- Homepage
- CSD
 - UserName
 - Password
 - Dial-up number
 - IP Address
 - Data Type
 - Data speed
 - Idle timeout
- GPRS
 - User name
 - Password
 - APN
 - IP address

- Bearer
- Connect Mode
- Security
- Show graphics
- Rename

Empty cache

Organizer

- Calendar
 - Day view
 - Month view
 - New
 - Meeting
 - Birthday
 - Memo
 - Delete
 - All
 - Week old
 - Month old
- Tasks
- Alarm
 - Alarm 1~3
 - Select all
 - Cancel all
- Calculator

Games

- Mirror in action

Myphone

- Image
- Audio
 - Incoming call

MENU SUMMURY

Alert tune
Alert type
Volume
SMS Attention
Alert tune
Alert type
Volume
Duration
Keypad Type
Natural Tone
DTMF
Mute
Info Tones
On
Off
Connect Tone
On
Off
Wallpaper
Greeting
Text edit
Selections
Greeting tone

Caller groups
Private
Business
Friends
Family
Others
Light & LCD
Contrast
Backlight time

Settings
Time & Date
Set time/Date
Summer Time
Time zone
Date format
Language
Data
Data cable
Bitrate
Reset
GPRS
Attach on
Accept calls

MENU SUMMURY

Security
PIN Code 1
Change PIN 1
Change PIN 2
Network
Select Network
Automatic
Manual
Preferred net
Add network
Call settings
Call Forward
Unconditional
Activate
Cancel
Status
All Unanswered
Activate
Cancel
Status

No Reply
Activate
Cancel
Status
Not Reachable
Activate
Cancel
Status
Busy
Activate
Cancel
Status
Status All
Cancel All
Call waiting
Activate
Cancel
Status
Optional func.
Redial
Shortcut Dial
Open folder

MENU SUMMURY

- Call Barring
 - Cancel All
 - Outgoing Calls
 - Cancel All
 - All Calls
 - All Internat.
 - Except to Home
 - Incoming Calls
 - Cancel All
 - All Incoming calls when abroad
 - Password
- Billing
 - Total calls
 - Last call
 - Set max units
 - Units left
 - Price/Unit
 - Currency
- Reset settings

Camera

- Photo shot
- Motion shot
 - Shot view
- Photo manager
 - Photo list
 - Photo name list
- Photo Settings
 - Lock setting
 - Password
- Memory status

Phone Book

- Smart Look up
- Look Up
- New
- PB Settings
 - Shortcut dial
 - Fixed list
 - Barred list
 - Own Number
 - Copy
 - Memory status
- Voice Mail no

MISCELLANEOUS

CELLULAR PHONE IN BRIEF

Your cellular phone is essentially a highly sophisticated radio, basically no different from any other two-way radio system. The ingenuity of the cellular system lies in the splitting of the broadcasting environment into a multitude of relatively small cells with low-power transmitters.

This "Cellular approach" to radio communication allows for extensive frequency reuse so that millions of people can use their mobile phones simultaneously although the number of frequencies are limited. The broadcasting cells are commonly illustrated as hexagons, typically 10 square miles in area with the base station in the center. This arrangement allows for non-adjacent cells to use the same frequencies without risk of interference.

Your cellular phone is in constant contact with the nearest base station. As you move from cell to cell, e.g. while driving in your car, the base station you are approaching takes over when you are within reach. This happens within split seconds without your noticing it. All you experience is a stable and clear connection.

However, not all network operators provide the same coverage in all areas. Hence, if you travel near the limit of your network's coverage, you may experience difficulties in maintaining the connection. The same may hap pen if the radio signal is blocked by obstacles such as high trees, hills or buildings, or if you are inside a heavily reinforced concrete building.

MISCELLANEOUS

ABBREVIATIONS AND ACRONYMS

To remedy the situation move closer to the nearest mast if possible or seek higher ground. If you are inside a building, try moving towards a window.

What is roaming? Roaming is the technique that allows subscribers to move from one cell to another or from one network to another without affecting the call.

What is digital? Early cellular phones relied on analogue systems.

Analogue radio systems transmit the voice signal in its original form, whereas digital technology transforms the microphone signal into number sequences (digits) and transmit these.

When received, the digital signal is decoded so that you can hear the sender's voice.

Digital signals do not degrade in quality as long as the data is received, and they can be compressed to take up less memory.

What is Dual Band? A dual band cell phone has the capability to automatically switch between frequencies and can thus operate on two or more frequency bands, e.g. 900 Mhz and 1800 Mhz.

What is GSM? Global System for Mobile communications is the most widespread standard for digital communication in Europe, Australia and in large parts of Asia and Africa.

GSM uses frequencies in the 900 and 1800 Mhz bands.

What is APN? APN stands for Access Point Name and is basically an URL address on the Mobile Internet.

What is GPRS? General Packet Radio System is a service protocol built on GSM technology. GPRS allows several mobile phone users to share the same connection. Charges may thus be based on the amount of transferred data rather than on airtime.

MISCELLANEOUS

ABBREVIATIONS AND ACRONYMS

What is CSD? A wireless service protocol used for WAP. CSD stands for Circuit Switched Data and will enable continuous connection and payment by the amount of data transferred.

What is SIM? Subscriber Identity Module or SIM is the little gold-plated plastic card that you get from your network operator and which holds the unique data the network needs to identify your phone.

What is PIN and what is PUK? Access to use a cell phone is most often protected by a code known as "PIN" - Personal Identification Number. Your SIM card comes with a default PIN that you can change to any code you prefer. See p. 80 for details. If you forget your code, or by mistake enter a faulty code three times in a row, the SIM card will lock. To unlock, you must enter the Personal Unblocking Key or "PUK" code that came with your SIM card.

What is IMEI? IMEI stands for International Mobile Equipment Identifier and is an identification system that can recognize every mobile phone by a specific number. If a phone is stolen, the IMEI system is capable of blocking it on all network operators that support the system.

What are MCC and MNC? Mobile Country Code is a code that identifies the country in which the subscriber lives. Mobile Network Code identifies the network operator.

What is DTMF? Dual Tone Multi Frequency or DTMF is a paging and remote control protocol that allows you to control certain functions via your phone, e.g. listening to your answering machine.

MISCELLANEOUS

ABBREVIATIONS AND ACRONYMS

What is Cell Broadcast?

Cell Broadcast is a service from your network provider. With CB, you will be alerted when entering a “cheap zone” or you can obtain traffic information, weather reports and other important information sent to you as text messages. Some providers also offer sports results, news bulletins or even commercials. If offering CB services, your network will forward a list of services and the relevant channels to enter.

What is WAP?

Wireless Application Protocol or WAP is a standard that allows you to access parts of the Internet, known as “Mobile Internet” via your cell phone. Using WAP will open many services to you, i.e. news and weather forecasts, ordering services and goods, accessing databases and more.

What is an URL?

Uniform Resource Locator or URL is an address system used on the Internet. All WAP homepages have a unique address, allowing browsers to distinguish one from the other. An URL always start with the text string: `http://wap` followed by the address.

What is ISP?

ISP stands for Internet Service Provider.

MISCELLANEOUS

QUESTIONS AND ANSWERS

Q:My phone does not switch on when I press the key ?

A:The keypress has been too short or the phone has shut down because the battery power level is too low to make calls. Recharge the battery fully.

Q:Stand-by time seems too short ?

A:You have made excessive use of the games or the Organizer or display light has been on continuously due to unintentional key activation. Apply Keypad lock in left softkey menu.

Q:My phone displays: ‘PLEASE INSERT SIM’?

A:You must insert the SIM before you can use the phone. If it is already installed, remove and clean the blank area with a dry cloth, then reinsert.

Q:My phone displays: ‘INVALID SIM’?

A:The phone is SIM-locked and will not accept the inserted SIM. Insert the correct SIM or contact your dealer.

Q:My phone displays: “EMERGENCY CALLS ONLY”?

A:Your SIM card is not properly installed or configured, or you are out of network range.

Q:My phone displays: “NO NETWORK” ?

A:You are outside network range or there is no clear path to the transmitter.
If you are inside a building, try moving towards a window.

MISCELLANEOUS

QUESTIONS AND ANSWERS

Q:Some calls are not processed. What is wrong?

A:A call bar has been set to restrict phone usage. Check call barring and cancel as necessary.

Q:Someone else is receiving my calls. What is wrong?

A:The phone has been set to forward your calls to another number.
Cancel call forwarding as necessary.

Q:Can I send and receive emails and surf the Mobile Internet on my phone?

A:Yes. Your phone has WAP capability, which means that you can access the Mobile Internet from your phone.
For sending and receiving emails, please contact your network operator.

Q:What is T9?

A:T9 text input is a predictive text editor that allows you to type using just one click per letter, thus saving time when writing SMS, text entries, etc.

Q:What type of networks are supported?

A:Check the technical specifications on p. 124.

MISCELLANEOUS

QUESTIONS AND ANSWERS

Q:Can I use my phone inside a car?

A:Road safety comes first. Always keep your eyes on the road if you are driving. You can install a "Hands free" set (see. p. 8) if you need to drive and talk at the same time.
Always comply with local legislation.
If your car is equipped with airbags, check safety precautions with your car dealer.
See also "Warnings" .

Q:How do I clean my phone if it becomes soiled?

A:See "Cell phone care" on p. 128.

Q:Are cellular phones dangerous to my health?

A:No unambiguous scientific evidence exists at this point of time. We recommend that you keep abreast with the advice given by your domestic health authorities. See also "Warnings" .

Q:My phone has been lost or stolen. What do I do?

A>Contact your network operator immediately to close your account and prevent misuse.
Report your phone stolen to local police.

Q:How do I reset my phone to factory defaults?

A:Enter the Settings menu and scroll to "Reset all".R

MISCELLANEOUS

TECHNICAL DATA

Physical properties

Size: W-43.7 H-84 D-21 (mm)

Weight: 85g

Display: 65K Color (128X160 pixels)

Performance

GSM: 900/1800/EGSM

GPRS: Class 8

Standby: Standard-72h, Extend-96h

Talk time: Standard-5h, Extend-8h

Charging time: Standard-120±60min,
Extend-180±60min

Radiation (SAR): 2 w/kg averaged over a
10g cube

Communication features

Long SMS (456 latin chr.)

EMS (sound & picture attachment)

Call wait & Call hold

Conference call (up to 5 participants)

Call forwarding & Call barring

Billing (AoC)

WAP

Personalizing features

Greeting

Wallpaper

40 Polyphonic ring tones

5 Caller groups

Organizing features

Calendar

Tasks

Alarm

Calculator

Leisure

1 games

Accessories

Contact local retailer

SAFETY

- ① Safety Information for Wireless Handheld Phones
- ② Cell Phone Care
- ③ Driving Safety
- ④ Electronic Devices
- ⑤ Other Safety Guidelines
- ⑥ Cautions
- ⑦ Warning
- ⑧ FCC RF exposure

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES**Read This Information Before Using Your Handheld Portable Cellular Telephone****EXPOSURE TO RADIO FREQUENCY SIGNALS**

Your wireless handheld portable telephone is a low power radio transmitter and receiver. when it is ON, it receives and also sends out radio frequency (RF) signals.

In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) *

NCRP Report 86 (1986) *

ICNIRP (1996) *

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C951).

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

The design of your phone complies with the FCC guidelines (and those standards).

*;

American National Standards Institute;

National Council on Radiation protection and measurements; International Commission on Nonionizing Radiation Protection.

ANTENNA CARE

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

SAFETY

CELL PHONE CARE

Your phone is a state-of-the-art electronic device that will serve you well for many years provided it gets a minimum of attention and care from you. You should never attempt to open the phone casing. There are no user-serviceable parts inside, and you might damage sensitive electronic circuits and components. Unauthorized disassembly will void the warranty. You should never leave your phone in the window of your car or otherwise expose it to strong sunlight or excessive heat for a prolonged period of time as this may damage it. You should never handle your phone with wet hands or expose it to moisture or liquids of any kind. Continuous changes from a cold to a warm environment may lead to condensation inside the phone, resulting in corrosion and possible damage. If you pack your cell phone in your suitcase during travel, beware not to damage it. Cramming a suitcase may crack the LCD display. Remember to switch off your phone during air travel. Like with all other radio devices, touching the built-in antenna area during telephone conversation may impair the quality and lead to shorter stand-by time due to increased power consumption.

The battery. Your phone is equipped with a high-performance Li-Ion battery. Optional battery types may be available, check with your local retailer. Observe the maintenance guidelines and your battery should give you a long service life.

- At the beginning of the battery's life, fully charge and discharge (let it go flat) three times.
- Avoid repeated short charging. It is preferable to let the battery go flat and then recharge it completely.
- Avoid charging in strong heat or extreme cold. Ambient room temperature is preferable.
- Don't keep a battery near a fire and attempt to disassemble it.
- Use only the battery approved by manufacturer
- Never replace battery by an incorrect type.

SAFETY

CELL PHONE CARE

- Never try to open the battery as it contains substances that might be harmful if swallowed or allowed to contact unprotected skin.
- Never short-circuit the battery, as it may overheat and cause a fire. Keep away from jewelry and other metal objects.
- Never dispose of the battery by burning it. It could explode and release harmful substances into the environment.
- Never dispose of the battery with your regular household waste. Take it to a hazardous material collection point.

The charger. Use only the charger supplied with the phone. Never pull charger cord to release it from mains, pull the charge itself.

Cleaning & storing. Your phone should always be handled with care, protected from dirt, dust and damp. To avoid scratches, never place the phone face down.

If cleaning is necessary, switch the phone off and wipe carefully with a soft, slightly damp (not wet) cloth. Allow the phone to dry completely before switching it on. Never use solvents for cleaning.

If you want to use your phone for some time, fully charge the battery and store the phone in a dry place away from direct sunlight. The phone should be switched off during storage.

Point to remember:

- Never disassemble the phone or battery.
- Never expose the phone to heat or strong sunlight.
- Never expose the phone to moisture or liquids of any kind.
- Do not paint the phone or otherwise block keypad, microphone or earpiece function, i.e. with stickers
- The battery has its optimum performance in an ambient temperature of +5 °C to +50 °C

SAFETY

DRIVING SAFETY

Talking on the phone while driving is extremely dangerous and is illegal in some states. Remember, safety comes first. Check the laws and regulations on the use of phones in the areas where you drive. Always obey them.

Also, if using your phone while driving please:

- Give full attention to driving. Driving safely is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call, if driving conditions require.

If you must use the phone while driving, please use one-touch, speed dialing, and auto answer modes.

An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the airbag or in the air bag deployment area.

If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

WARNING:

Failure to follow these instructions may lead to serious personal injury and possible property damage.

SAFETY

ELECTRONIC DEVICES

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

If you have a pacemaker:

- ALWAYS keep the phone more than six inches from your pacemaker when the phone is turned on.
- Do not carry the phone in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

ELECTRONIC DEVICES**Other Medical Devices**

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in healthcare facilities when any regulations posted in these areas instruct you to do so.

Hospitals or healthcare facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF where posted notices so require.

OTHER SAFETY GUIDELINES**Aircraft**

FCC Regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a “blasting area” or in areas posted: “Turn off two-way radio.” Obey all signs and instructions.

Potentially Explosive Atmospheres

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

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or articles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle’s engine.

SAFETY

CAUTION

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating the equipment, read all instructions and cautionary markings on (1) AC Adaptor (2) Battery and (3) Product Using Battery.

1. DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.
2. DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using the unit, lay down the unit to avoid possible damage due to instability.
3. DO NOT expose this equipment to rain or spilled beverages.
4. DO NOT use unauthorized accessories.
5. DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized Audiovox cellular service center. If unit is disassembled, the risk of electric shock or fire may result.
6. DO NOT short -circuit the battery terminals with metal items etc.
7. Use only the battery approved by manufacturer
8. DO NOT replace battery by an incorrect type.

SAFETY

WARNING

The following offenses are punishable by fine, imprisonment, or both:

- Using obscene, indecent, or profane language.
- Using the unit to give off false distress calls.
- Wiretapping or otherwise intercepting a telephone call, unless that person has first obtained the consent of the parties participating in the call.
- Making anonymous calls to annoy, harass, or molest other people.
- Charging to an account without authorization to avoid payment for service.
- Refusing to yield a party line when informed that it is needed for an emergency call (It is also unlawful to take over a party line by stating falsely that it is needed for an emergency).

FCC RF EXPOSURE**WARNING! Read this Information before using your phone**

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters.

Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies.

The design of this phone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

FCC RF EXPOSURE**Body-worn Operation**

This device was tested for typical body-worn operation with the back of the phone kept 0.5 inches (1.27cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.5 inches (1.27cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. All belt-clips, holsters and similar accessories used by this device must not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with FCC RF exposure limits and should be avoided.

Vehicle Mounted External Antenna(optional, if available)

A minimum separation distance of 7.9 inches (20cm) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.

Note: For more information about RF exposure, please visit the FCC website at www.fcc.gov