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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 65k brilliant color display, enhanced messaging service (EMS), polyphonic ring tones, PCSynchronisation 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 focus point, and the MX7990-series have very modest exterior dimensions and will fit into any shirt pocket or purse.

24 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 THE USER GUIDE

This user guide is written only for the MX7990-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.

These are printed in grey color.

The user guide is accompanied by a Mini Guide describing the most commonly used functions.

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

Maxon Technical Marketing

maxontelecom@maxontelecom.com

BEFORE USING YOUR PHONE

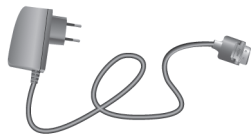
- ① Package Includes
- ② Handset Description
- ③ Main Display
- ④ Function Keys
- ⑤ Use of SIM Card
- ⑥ Navigation Key
- ⑦ Using the Battery
- ⑧ Charging the Battery
- ⑨ Important Battery Information

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



Hands Free Kit



Slim Battery



User Manual

HANDSET DESCRIPTION



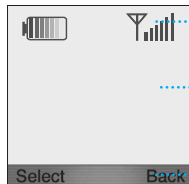
Sub LCD



Displays a icon and a status when you have a call or a message or when you select Bell/ Vibration/ Mute.

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.



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



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

Function keys



Menu key[Soft1] - To browse the main menu



Back key[Soft2] - Return to the previous menu



Clear key - erase a character



To make call a number, (WAP Home, Voice mail, Write SMS), Send Key, Dial list



To turn on and off the phone. Ring off



4-direction navigation key - Phonebook menu.



OK Key - To select an option and link to Internet



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.



Side Key

- If you press [] when folder is close, you will see network appear in sub LCD.
- If you press [] when folder is close, you will see date appear in sub LCD.

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 phone numbers 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
SMS from
idle mode



[left] –
To access the
phonebook
directly from
idle mode.

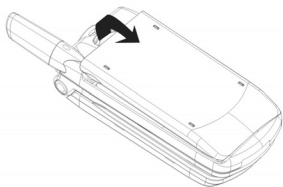


[right] –
To access
WAP directly
from idle
mode

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.

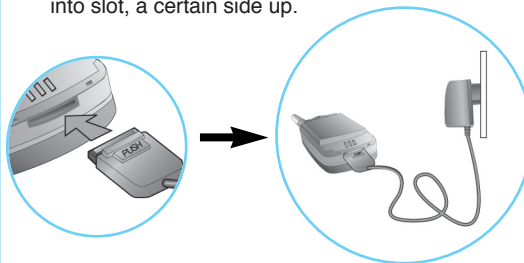


The battery must be securely placed in the battery compartment. If battery is improperly inserted, the handset will not turn on or the battery may slip off during use.

CHARGING THE BATTERY

POWER CONNECTION

- 1 Insert the contactor of charger into slot and plug the charger into the outlet.
* Please not 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

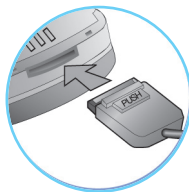
When its battery is charged in power off mode, the phone shows in LCD an animation, which will stop once charging is completed.



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

TURNING THE PHONE ON AND OFF


TURNING THE PHONE ON

When SIM CARD is installed.

- 1 **Press and hold**
 Until the phone is power on.

The phone is locked “**PIN CODE**” is displayed on the screen. then, enter the 4-digit password to unlock the phone.

TURNING THE PHONE OFF

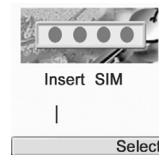
- 1 **Press and hold**
 Until the phone is power off.




- 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 profile. Never use force. Avoid touching the gold-plated side of the SIM.



- SIM CARD holder cover is flipped up when pulled up to a certain extent in order to install or remove SIM CARD.
- Flip down the cover to properly secure SIM CARD.



INSTALLING SIM CARD

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

Press and hold

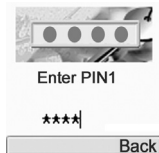


Until the phone is power on.

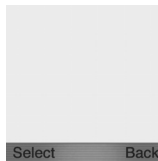
- 6 Enter the network-supplied PIN code.



- 5 You are prompted to enter the PIN code.




- 7 Press  To Accept.

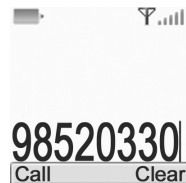


BASIC FUNCTIONS

MAKING A CALL


- 1 Enter a phone number.


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




- 2 Press [].

“CALL FAILED” message is displayed when the call does not connect.

If the line is busy, press [].

Retry by pressing [].

If you select the REDIAL 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 [**OK**] 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 miss a call, the caller's number will be stored in the **Dial list**. To retrieve a number, press [] to open the list, scroll to an appropriate number and press [**OK**] to place a call.



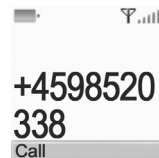
BASIC FUNCTIONS

INTERNATIONAL CALLS, CALL TO AN EXTENSION, EMERGENCY CALL

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

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

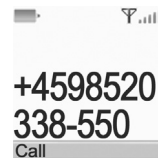
1 To make an **international call**, press [] until + is displayed. Then enter country code, area code if necessary and finally phone number. (no spaces allowed)



2 To make a call to an **extension line** you may have to go through an automated switchboard. To do so:

- Enter a phone number.
- Press [] until - is displayed.
- Enter the extension number.

Press [**OK**].
- 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 'T9 Language' 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.

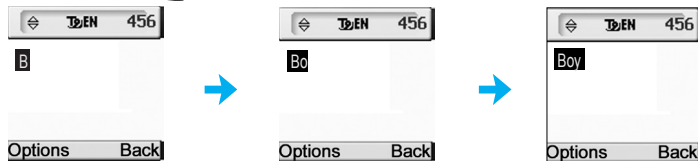
Press [] or [] to view a list of words and press [] to select it and add a space when a word appears.

ex) To enter Boy : Press [] to select a letter case.

Press [], [], [].

Use [] or [] to find a word.

Press [] to select it and add a space.



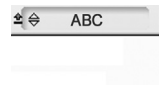
Entering letters and numbers

ABC

Press [], move to 'abc' then, press [],

or press [].(Press and hold)

Press a key to see its assigned alphabets and keep pressing the key until an alphabet appears in the display.



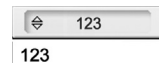
123

Press [], move to '123' then, press [],

or press [].(Press and hold)

Enter numbers through keypad.

Options Clear



Options Back

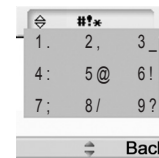
Symbols

Press [], move to 'Symbols' then, press [].

or press [].(Press and hold)

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, Menu key, language. |
|  | Press [Soft2] to back Key. |
|  | Press clear Key. |
|  | Press [Navigation key] to move a cursor. |
|  | Press [*] to select letter case, or press and hold it to change to symbol mode. |
|  | Press and hold [0] to change to number mode. |
|  | Press [#] to enter .,-?!'@:;./1 or press and hold it to change to ABC mode. |

CHAPTER 3

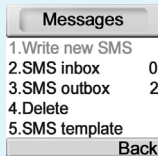
MENU

- ① Message
- ② Mob. Internet
- ③ Organizer
- ④ Maxfun
- ⑤ My Phone
- ⑥ Settings

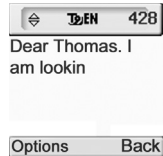
MESSAGE

SMS is fun with Maxon. You can send long messages (up to 456 characters), and personalize them with pictures and sounds (EMS). You can store pictures and sounds, you receive from others, in your library and use them as ring wallpapers and tones.

WRITE NEW SMS

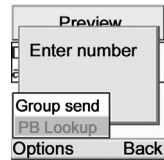


1 Press [] to select "Write new SMS".



Write your message using a maximum of 459 Latin characters. While you type, the remaining free space is stated by a counter in the top right corner. Number of messages is indicated within the envelope icon.

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



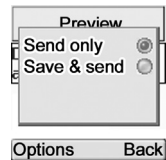
3 Press [] again, enter a phone number then, press [].

Press [] to select "Option".

Group send : To send a message to a group.
PB Lookup : to lookup a number from phonebook

MESSAGE

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.

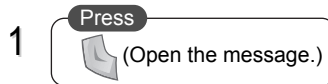
MESSAGE

READ MESSAGES

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



If you want to store an attached picture or sound in your library, scroll through the message to highlight the attachment.



Ok.iMatRIVERVIEW
HOTEL 67329922.
room 614
From:
+60122001903
Sent:
2002.06.15 16:13
Options Back

To postpone reading of a new SMS, press **Later**.
The message is stored and the icon will appear in the start screen.

MESSAGE

SMS INBOX



To read a SMS received earlier, go to the Messages menu:

- In the SMS menu, scroll to SMS Inbox.
 indicates a read message, while closes an unread message.
- Select the desired message and press [**OK**] to read.

Press [] to select one of the following options.



Options Back

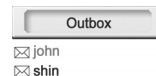
- Forward : Forwards a message to another.
- Reply : Reply a message.
- Call: Places a call to a recipient.
- Delete : Deletes a message.
- Read : Reads a message.

SMS OUTBOX



To edit a sent or Save Only message:
- Scroll to Outbox. Select a message.

Press [**OK**] to select one of the following options.



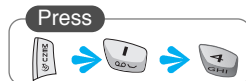
Options Back

Press [] to select one of the following options.

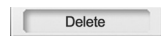
- Forward : Forwards a message to another.
- Edit : Edits a message.
- Send : Sends a message.
- Delete : Deletes a message.
- Read : Reads a message.

MESSAGE

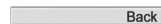
DELETE



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



- 1.Delete inbox
- 2.Delete outbox
- 3.Delete all

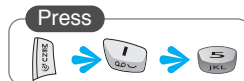


- 2 press [**OK**] to confirm it or [**ESC**] to return to the previous page.

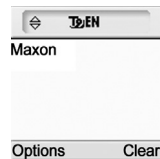


Delete messages regularly to avoid unnecessary usage of memory.

SMS TEMPLATE



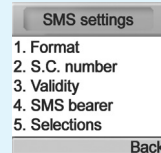
To create a template, scroll to SMS template write a text template then, press [**OK**] to save it. You can enable the use of the template in the 'Selections' menu in 'SMS settings'.



MESSAGE

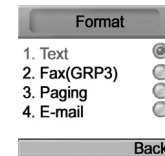
SMS SETTINGS

To set SMS features.



FORMAT

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



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

Text format is default.



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

S.C NUMBER

- 1 Press [**2**] to select "S.C. number".



- 2 Enter your operator Service Center number.

MESSAGE


SMS SETTINGS

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

- 1 Press [] to select "SMS bearer".




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

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

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.

MESSAGE

READ CB

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.



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 **Read CB**, then select the channel you want to read.

MESSAGE

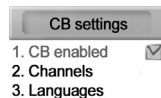
CB SETTINGS

Press



CB ENABLE

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



- 2 Press [] to receive a cell broadcast or not. to enable cb, mark up the checkbox with [].

CHANNELS

- 1 Press [] to select "Channels".



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

To add, edit or delete, press []

Delete
Edit
New

MESSAGE

LANGUAGE

- 1 Press [] to select "Language".



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

- 2 Move to each language to select or not.

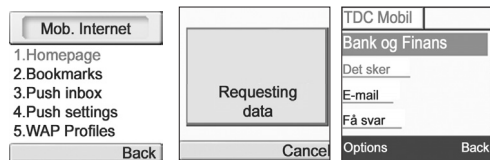
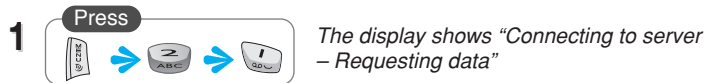
- 3 Press [] to save it.

MOB. 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 first two submenus will be **Homepage** 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.

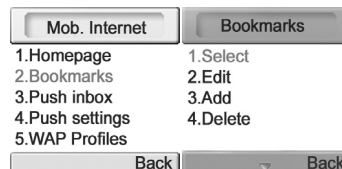
When connection is established, the "Homepage" URL will be displayed.

Follow on-screen instructions to browse the homepage or enter another homepage via the **Options** softkey[] menu.

MOB. 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 [].

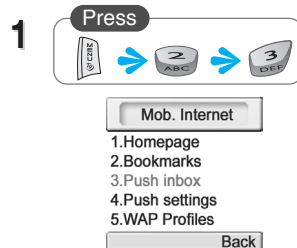


- Some WAP pages may be **password** protected and prompt you to enter a user name and password. However, on many WAP sites you can enter as a guest, but you may not be eligible to browse the entire site.
- Some network operators enables you to receive and read your **E-mail** via WAP. In most cases 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.

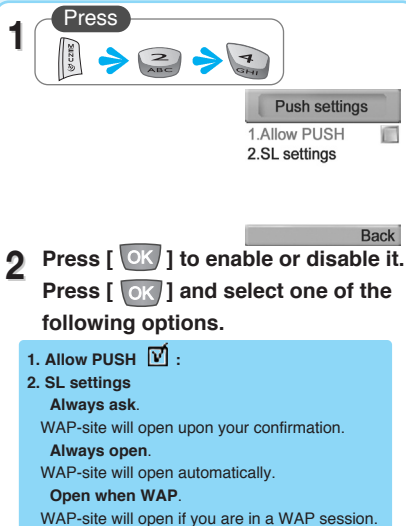
MOB. INTERNET

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:

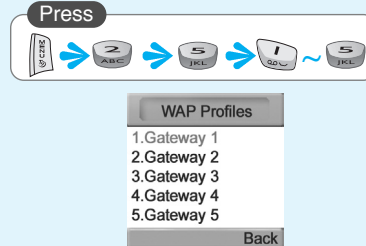


PUSH SETTINGS




MOB. INTERNET

WAP PROFILES



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



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:

MOB. INTERNET

WAP PROFILES

DEFAULT

- 1 Press [] to select "Default".

Gateway 1

- 1.Default ☒
- 2.Homepage
- 3.CSD
- 4.GPRS
- 5.Bearer

Back

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


Homepage

- 1 Press [] to select "Homepage".

ABC

http://www.


Options Clear

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

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

MOB. INTERNET








CSD

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


CSD

- 1.Username
- 2.Password
- 3.Dial-up number
- 4.IP address
- 5.Data type

Back

-  User name
-  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.

GPRS

- 1.Username
- 2.Password
- 3.APN
- 4.IP address


Back

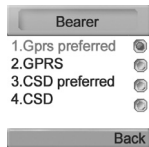
-  User name
-  Password
-  APN (Access Point Name)
-  IP address (The IP Address is a 12 digit code. When typing it, enter 0 for "blank" spaces.)

MOB. INTERNET

WAP PROFILES

BEARER

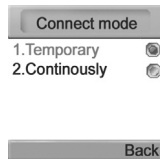
- 1 Press [] to select “Bearer”.



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

CONNECT MODE

- 1 Press [] to select “CONNECT MODE”.



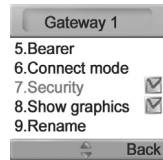
- 2 Select Temporary or Continuously. Press [] to save it.

If no specifications are stated by your network, both Temporary and Continuously are applicable.

MOB. INTERNET

SECURITY

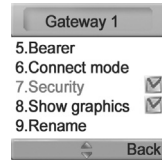
- 1 Press [] to select “Security”.



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

SHOW GRAPHICS

- 1 Press [] to select “Show graphics”.



Make it up to include graphic elements in the display.



RENAME

- 1 Press [] to select “Rename”.

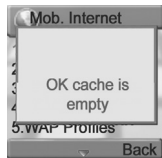


- 2 Edit a name of the gateway.

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

MOB. INTERNET

EMPTY CACHE



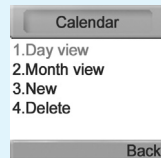
To provide quick access to your favorite web sites, information is stored in the phones cache memory. It is recommended that you empty your cache memory regularly to avoid congestion.

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.

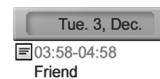
CALENDAR

To set and view appointments.



DAY VIEW

1 Press [] to select "Day view".



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

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

Press 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.

ORGANIZER



CALENDAR


MONTH VIEW

- 1 Press [] to select "Month view".

| January 2002 | | | | | | |
|--------------|----|----|----|----|----|----|
| M | T | W | T | F | S | S |
| | | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

A calendar is displayed with appointments. The date with an appointment is shown in green color, while a selected date is in white.


- 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".

Month : To move to 'month'

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.

ORGANIZER

NEW

- 1 Press [] to select "New".



In 'New' you can enter a new appointment. You will be prompted to define it as, a Meeting a birthday or a Memo. Select one and enter the relevant information in the text editor. Use [] to scroll through the entry fields:



Subject

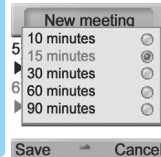
To enter a title for an appointment.

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.

Delete

- 1.All
- 2.Week old
- 3.Month old

Back

- 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

Press



Organizer

- 1.Calendar
- 2.Tasks
- 3.Alarm
- 4.Calculator

Back


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".

Tasks

1.ski


Delete all
Delete
New

Options Back

Tasks

- 1. ski
- 2.shopping

Options Back

- 2 Select a task and press [] to view its details.
- 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 24 characters, and set an alarm to remind you.

ORGANIZER

ALARM



Alarm

1.Time
▶ 00:00
2.Sound
3.Alarm on ☒

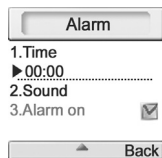
Back

1 Press [] to enter a time for an alarm.

2 Press [] to select 'Alarm tune'.



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



ORGANIZER

CALCULATOR



Organizer

1.Calendar
2.Tasks
3.Alarm
4.Calculator

Back

To use the calculator.



press [] to clear a digit or press and hold [] to clear all inputs and return to the prompt mode.

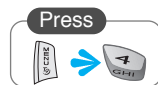
Enter a figure and select a mode (+ - * or /). Press []. Enter another figure, select = and press []. The result is displayed on the bottom line. Example:

| | | |
|-------|------|------------------------|
| + | 200 | Enter 200. Select + . |
| | | Press []. |
| + | 25 | Enter 25. Select = . |
| | | Press []. |
| = | 225 | The display shows: 225 |
| Clear | Back | |

| | | |
|-------|------|---|
| + | 225 | If you want to continue the calculation, do not select =, but |
| | | press [] then repeat the |
| / | 5 | above procedure. |
| | | to finish the calculation, select |
| = | 45 | =. |
| Clear | Back | |

GAMES

GAME INFORMATION



Games

- 1.X-ship
- 2.Crazy race
- 3.Push man
- 4.Volume
- 5.Vibrator

Back

The MX7990 comprises three amusing and challenging color action games. All games feature on-screen instructions through “3” key and key info “4”. Games are started with “1”. Volume and vibrator controls are in the main menu.

In the Game, volume control is adjusted by side up/down key. press [*] to stop a game and [#] to release the game.

In all three games, best performance will place you on the high-score list. Thus you can compete with your friends for the honor and glory and enjoy maximum fun.

GAMES

X-SHIP



X-ship is a classic arcade “shoot’m up” game. You are in control of a space fighter and must destroy approaching enemies with your laser cannon before they shoot you. If surrounded by enemies, you can blast your way out with a nuclear explosion.

| | | |
|--|--|------------------|
| | | : Up |
| | | : Down |
| | | : Right |
| | | : Left |
| | | : Shoot |
| | | : Special |
| | | : Pause |
| | | : Resume |
| | | : Volume Up/Down |

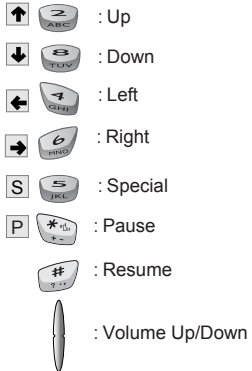
GAMES

CRAZY RACE

Press



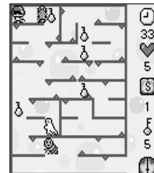
How many laps will you complete on the racing track, avoiding oil slicks, obstacles and aggressive competitors? Choose between three different types of cars, each with its own advantage and race like your life depended on it.



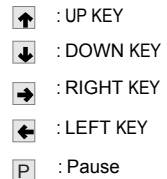
GAMES

PUSH MAN

Press

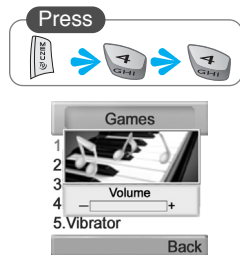


PushMan is a PacMan-style maze game. Guide your little Buddy through the maze and avoid the ghost, the fluffy monsters and the worm. Pick up the apples to gain points.



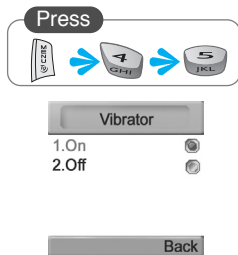
GAMES

VOLUME



- 1 Use [] and [] to select a volume level.

VIBRATOR

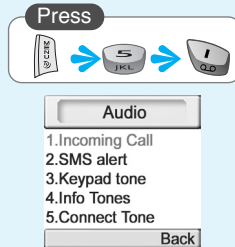


- 1 Select On or Off and press [] to save it.

MYPHONE

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

AUDIO



INCOMING CALL

- 1 Press [] to select "Incoming Call".



- Alert Tune** - Select one among 10 bells, 14 melodies and some downloaded melodies.
- Alert Type** - Select one of the available options. (1. Tone only / 2. Tone +Vib / 3. Tone after Vib / 4. Vibration)
- Volume** - Volume can be controlled in 7 levels through [] and []

MYPHONE

AUDIO


SMS ALERT


- 1 Press [] to select "SMS Alert".




SMS alert

- 1.Alert Tone
- 2.Alert Type
- 3.Volume

Back

 **Alert Tone** - 10 different SMS alert tones.

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

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


KEYPAD TONE

- 1 Press [] to select "Keypad Tone".

Keypad tone

- 1.Blob tone 
- 2.DTMF 
- 3.Mute 

Back

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

MYPHONE


INFO TONES

- 1 Press [] to select "Info Tones".

Info Tones

- 1.On 
- 2.Off 

Back

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


CONNECT TONE

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

Connect Tone

- 1.On 
- 2.Off 


Back

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

MYPHONE

WALLPAPER

SELECTIONS


1 Press [] to select "Image".

Selections

- 1.Image
- 2.Animation

Select Back

SELECTIONS

1 Press [] to select "Animation".

Selections

- 1.Image
- 2.Animation

Select Back

MYPHONE

GREETING

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



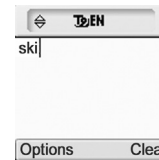
Greeting


- 1.Text
- 2.Selections
- 3.Greeting tone

Back

TEXT

1 Press [] to select "Text".



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

MYPHONE

GREETING

SELECTIONS

- 1 Press [] to select “Selections”.

Selections

- 1.Start-up
- 2.Shutdown

Back

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

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

GREETING TONE

- 1 Press [] to select “Greeting Tone”.

Greeting tone

- 1.On 
- 2.Off 

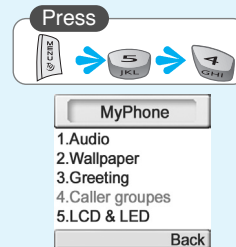
Back

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

MYPHONE

CALLER GROUPS

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



- 1 Press [] to select “Caller Group”.

Caller group

- 1. Private
- 2. Business
- 3. Friends
- 4. Family
- 5. Others

Back

- 2 Use [] to moved to a caller group.

- 3 Press [] to select it.

MYPHONE

CALLER GROUPS

TUNE

- 1 Press [] to select "Tune".



You can designate a tune for a group.

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

SMS

- 1 Press [] to select "Tune".



You can designate a type of alert for a group.

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

MYPHONE

LCD & LED

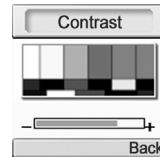
Your phone has a backlit LCD display with full graphic capability. You can set Contrast, backlight time and LED light.

Press



CONTRAST

- 1 Press [] to select "Contrast".

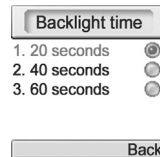



- 2 Use [] and [] to select a contrast level.

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 (20~60 sec.)

MYPHONE

LCD & LED

LED LIGHT

- 1 Press [] to select "LED light".

LCD & LED

1. Contrast
2. Back light Time
3. LED light ☒

Back

- 2 Mark it up to enable the LED service indicator.

Sub LCD

Press



My phone

2. Wallpaper
3. Greeting
4. Caller groups
5. LCD & LED
6. Sub LCD

Back

You can enter a sub LCD, set an animation for a wallpaper or a clock set state.

- 1 Press [] to select Wallpaper.

Sub LCD

- Animation 1 ☒
- Animation 2 ☐
- Animation 3 ☐

Back

- 2 Press [] to select Clock.

Clock

1. Digital ☒
2. Analog ☐

Back

SETTINGS

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

TIME & DATA

Press



Time & date

1. Set time/date
2. Summer time ☒
3. World Time
4. Date format

Back

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

Set time/date

1. Present time
- ▶ 09:25
2. dd.mm.yyyy
- ▶ 05.01.2003

Back

- 2 You are to set the present time & date

1. Present time
2. dd.mm.yyyy


SUMMER TIME

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

Time & date

1. Set time/date
2. Summer time ☒
3. Time zone
4. Date format

Back

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

Box If you wish to apply daylight saving time


SETTINGS

TIME & DATA

WORLD TIME

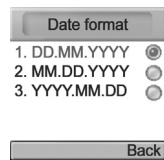
- 1 Press [] to select "World time".




- 2 Select one of the available world times and press [] to save it.
- 3 You are to select your current location.

DATE FORMAT

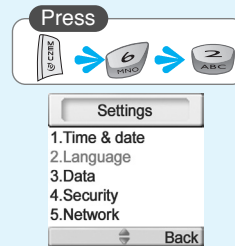
- 1 Press [] to select "Date format".




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


SETTINGS

LANGUAGE



- 1 Use [] to select a language.

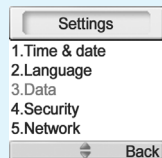


- 2 Select one of the available languages and press [] to save it.

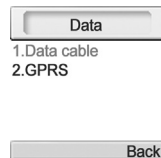
The display will change to the selected language

SETTINGS

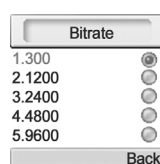
DATA



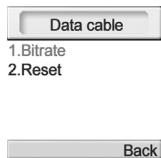
1 Use [**OK**] to select a "Data cable".



3 Use [**OK**] to select a "Bitrate".

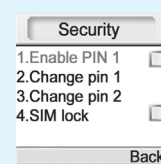


2 Use [**OK**] to select a "Bitrate".

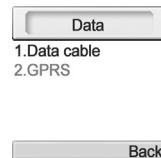


SETTINGS

SECURITY



1 Use [**OK**] to select a "Data cable".

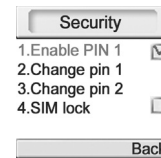


Use [**2**] to select a "GPRS".



PIN CODE 1

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



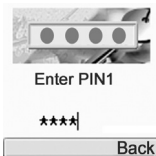
2 Mark it up to enable PIN code 1 and press [**OK**] to save it.

SETTINGS

SECURITY


CHANGE PIN 1

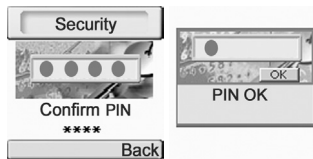
- 1 Press [] to select “Change PIN 1”.




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



- 3 Confirm it when prompted. Press [].



- 4 Exit with [].

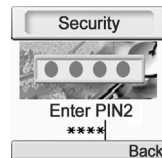


That if you enter an incorrect PIN code three times in succession, your SIM card will lock and you must enter the PUK code to unlock. PIN and PUK codes are either supplied with your phone or must be obtained from your network provider or place of purchase.

SETTINGS


CHANGE PIN 2

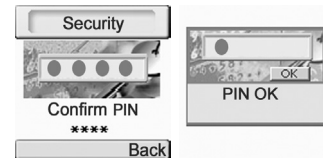
- 1 Press [] to select “CHANGE pin 2”.




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



- 3 Confirm it when prompted. Press [].




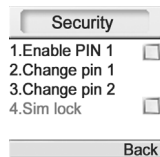
- 4 Exit with [].

SETTINGS

SECURITY

SIM LOCK

- 1 Press [] to select "SIM lock".



- 2 Mark it up to lock SIM CARD.

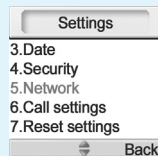
As a unique identification, your phone is furnished with a code number known as IMEI. You must retain this number in case you need to block your account, i.e. if your phone is lost or stolen. We recommend that you write it down here:

The IMEI number is printed on the label under the battery.

SETTINGS

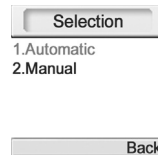
NETWORK

Press



SELECTION

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



- 2 Select Automatic or manual.

PREFERRED NET

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



The phone will search this list from the top. Menu key 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.

SETTINGS

NETWORK

ADD NETWORK

1 Press [] to select "Add network".

Network

1.

2.

3.

4.

5.

Options Back

2 Press [] to select "Add network".

Network

1.Name

2.MCC

3.MNC


Save Back

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 of the network followed by the Mobile Country Code (MCC) and the Mobile Network Code (MNC). This information is supplied by your network operator.

SETTINGS

CALL SETTINGS

Press



Call setting

1. Call forward

2. Call waiting

3. Optional func.

4. Call barring

5. Call time

Back

1 Press [] to select "Call forward".

Caller forward

1.Unconditional

2.All unanswered

3.No answer

4.Not reachable

5.Busy

6.Status all

7.Cancel all

Back

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 answer:

To forward calls that 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.

SETTINGS

CALL SETTINGS

CALL WAITING

- 1 Press [] to select "Call waiting".

Call waiting

- 1. Activate
- 2. Cancel
- 3. Status

Back

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.".


Optional func.

- 1.Redial ☐
- 2.Shortcut dial ☐
- 3.Any key answer ☐

Back

This menu contains various settings to facilitate daily use.

SETTINGS

- 2 Press [] to select "Redial".


Optional func.

- 1.Redial ☒
- 2.Shortcut dial ☐
- 3.Any key answer ☐

Back

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 End. To manually redial last number called, press [] twice in a row.

- 3 Press [] to select "Shortcut dial".

Optional func.

- 1.Redial ☐
- 2.Shortcut dial ☒
- 3.Any key answer ☐

Back

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 "Any key answer".

Optional func.

- 1.Redial ☐
- 2.Shortcut dial ☐
- 3.Any key answer ☒

Back


Any key answer ☒.

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

SETTINGS

CALL SETTINGS

CALL BARRING

1 Press [] to select "Call barring".

Call barring

- 1.Cancel all
- 2.Outgoing calls
- 3.Incoming calls
- 4.Password

Back

Outgoing calls

- 1.Cancel all
- 2.All outgoing
- 3.International
- 4.Local calls

Back

Incoming calls

- 1.Cancel all
- 2.All incoming
- 3.While abroad

Back

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.

Call barring

Please enter old password

Back

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 outgoing / 3.international / 4.local calls)

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.while abroad)

4.Password - To set a password.

SETTINGS


CALL TIME

1 Press [] to select "Billing".

Call time

- 1.Total calls
- 2.Last call
- 3.Set max units
- 4.Units left
- 5.Price/unit

Back

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.

DTMF TONES

1 Press [] to select "DTMF tones".

Call setting

2. Call waiting
3. Optional func.
4. Call barring
5. Billing
- 6.DTMF tones ☒

Back

Enabling DTMF tones allows you to remote control various telephone connected devices, e.g. listen to your home telephone answering machine, or charge your SIM.

Activates key lock after 30 sec. of idleness.

SETTINGS

RESET SETTINGS



Settings

- 5.Network
- 6.Call settings
- 7.Reset settings

Back

Return all settings to factory defaults.

CHAPTER 4

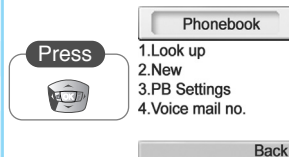
PHONEBOOK

- ① Look Up
- ② New
- ③ PB Settings
- ④ Voice Mail No.

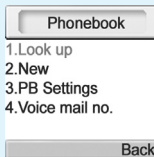
PHONEBOOK

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)

You can copy names and phone numbers from/to a SIM card but not address information (Optional)

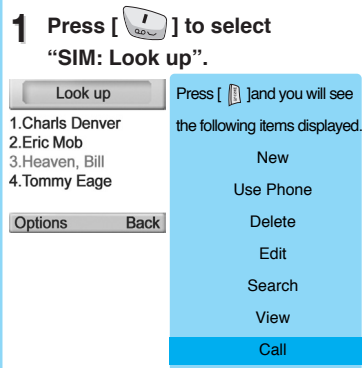


LOOK UP



LOOK UP

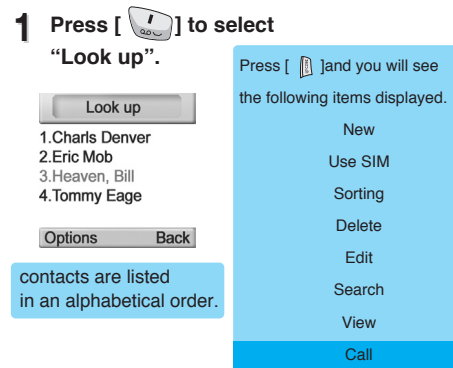
When "Use SIM" is selected.



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

PHONEBOOK

When "Use Phone" is selected.



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

CALL

1 Press [OK] and you are prompted to call.






2 Scroll to find the desired number and press [OK].

The window will display contact name and phone numbers.

PHONEBOOK

NEW

To add a contact to the SIM phonebook:

Press   

New

1.Name
▶

2.Number
▶

Save Back

New


1.First name
▶

2.Last name
▶

3.Home number
▶



Save Back




When "Use SIM" is selected.

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

New

- A text editor appears.

1.Name - Enter a name and press [].
▶ Scroll [].

2.Number - Enter a phone number and press [].
▶ (Home / Mobile / Work) and press [].
▶ Scroll [].

Save Back


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.

PHONEBOOK

When "Use Phone" is selected.

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

| New | New | New | New | New |
|-------------------------|--------------------------------|-------------------------------|-----------------------|-------------------------|
| 1.First name ▶ | 3.Home number ▶ 98969595 | 5.Work number ▶ 585221241 | 8.Zip code ▶ | 11.Country ▶ Denmark |
| 2.Last name ▶ | 4.Mobile number ▶ 845214512 | 6.Calling group ▶ Business | 9.City ▶ | 12.E-mail ▶ |
| | 5.Work number ▶ | 7.Street ▶ | 10.State ▶ | |
| Save Back | Save Back | Save Back | Save Back | Save Back |

All the above data can be entered.

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

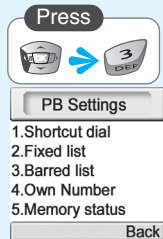
2 Press [] to save it after entering information.

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

PB SETTINGS

To alter settings in the Phonebook:



Enter Phonebook menu. Scroll to **PB Settings** and press OK. Choose among:

Select PB.

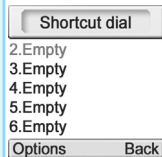
Select SIM or Contacts as your default phonebook.




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.

SHORTCUT DIAL

1 Press [] to select "Shortcut dial".



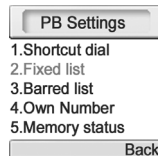
Make calls using only one or two keys. Define a key combination (2-21) for your most accessed contacts. To include or remove a contact in the shortcut dial list, select a position and:

- Select New or Delete in the Options softkey menu.
- Choose the appropriate contact from the phone book. Press [].
- any previous contact on the selected position will be overwritten.

PHONEBOOK

FIXED LIST

1 Press [] to select "Shortcut dial".



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. 75).

BARRED LIST

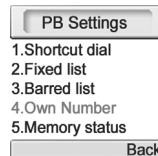
1 Press [] to select "Shortcut dial".




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 [].

PHONEBOOK

PB SETTINGS

Copy (Optional). Enables you to copy names and phone numbers to and from the SIM card. You can copy single contacts or all the contents. Selection is done via left softkey.

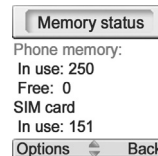
Be aware that contacts will be copied from **Contacts** one time for each phone number recorded. Thus, if a contact has 3 numbers attached, he will occupy 3 slots on the SIM card.

When copying from SIM, you will not be alerted if the contact is already in **Contacts** and the entry will not be overwritten. We recommend that you check for double-entries and delete the surplus entries.

PHONEBOOK

MEMORY STATUS

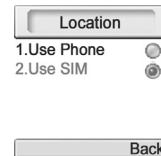
1 Press [] to select "Memory status".



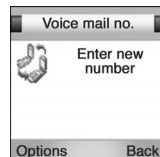
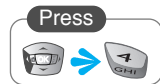
Displays the used and free memory available in the respective phonebooks. Reset **Phone** memory or **SIM** memory on left softkey. Be advised that this will erase all entries in the Phonebook that is reset.

LOCATION

1 Press [] to select "Location".



Location
- This function is designed to select the Location, Phone or Sim in which information is saved to use when the information of the Phonebook is needed.



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

MENU SUMMURY

MobileSurf

MESSAGES

Write new SMS
SMS inbox
SMS outbox
Delete

Delete inbox
Delete outbox
Delete all

SMS Template
SMS Settings

Format
SC number
Validity
SMS bearer
Selections

SMS class 0
Verify send
Use template
Reply path

Read CB

CB Settings

CB enabled
Channels
Languages

Mob. Internet

Homepage
Bookmarks

Select
Edit
Add
Delete

Push inbox
Push settings

Allow push
SL Settings

WAP Profiles

Gateway 1 to 5
(The following settings can
be set for each gateway,
Gateway 1 to Gateway 5.)
Default

MENU SUMMURY

Homepage CSD

User Name
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
Delete
Task
Alarm
Calculator

Games

X-ship
Crazy race
Push man
Volume
Vibrator

MyPhone

Audio
Incoming Call
alert tune
alert type
volume

MENU SUMMURY

| | | |
|---------------|---------------|-----------------|
| SMS Alert | Alert tune | Business |
| | Alert type | Friends |
| | Volume | Family |
| Keypad Tone | | Others |
| | Blob Tone | LCD & LED |
| | DTMF | Contrast |
| | Mute | Backlight time |
| Info Tones | | LED Light |
| | On | Sub LCD |
| | Off | Wallpaper |
| Connect Tone | | Clock |
| | On | |
| | Off | |
| WALLPAPER | | SETTINGS |
| | Image | Time & Date |
| | Animation | Set time/date |
| GREETING | | Summer time |
| | Text | World time |
| | Selections | Date format |
| | Greeting Tone | Language |
| Caller Groups | | Data |
| | Private | Data cable |
| | | GPRS |
| | | Security |

MENU SUMMURY

| | |
|----------------|----------------|
| Enable PIN1 | Cancel |
| Change PIN 1 | Status |
| Change PIN 2 | Not Reachable |
| SIM Lock | Activate |
| | Cancel |
| Network | Status |
| Selection | |
| | Automatic |
| | Manual |
| Preferred net | Busy |
| Add network | Activate |
| Call settings | Cancel |
| Call Forward | Status |
| | Status All |
| | Cancel All |
| | Unconditional |
| | Activate |
| | Cancel |
| | Status |
| | All Unanswered |
| | Activate |
| | Cancel |
| | Status |
| | No Answer |
| | Activate |
| | Cancel |
| Call waiting | |
| | Activate |
| | Cancel |
| | Status |
| Optional func. | |
| | Redial |
| | Shortcut Dial |
| | Any Key Answer |
| Call Barring | |
| | Cancel All |
| | Outgoing Calls |

MENU SUMMURY

| | |
|----------------|---------------|
| | Cancel All |
| | All Outgoings |
| | International |
| | Local Calls |
| Incoming Calls | |
| | Cancel All |
| | All Incoming |
| | While abroad |
| Password | |
| Call time | |
| | Total calls |
| | Last call |
| | Set max units |
| | Units left |
| | Price/Unit |
| | Currency |
| DTMF Tones | |

PHONE BOOK

| |
|----------------|
| Look Up |
| New |
| PB Settings |
| Shortcut dial |
| Fixed list |
| Barred list |
| Own Number |
| Memory status |
| Location |
| 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 and 1800Mhz.

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 1800Mhz bands.

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

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 cellphone 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. 73 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: Can I use my phone for transferring data from a PC?

A: Yes. Your phone has a fax and data modem. Apply a data/fax cable.

Q: Can I download new ring tones and graphics to my phone?

A: We are working on that. In the meantime, you can compose your own ring tones using the "MelodyMaker".

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. 110.

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" (Cover).

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

A: See "Cell phone care" on p. 114.

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" (Cover).

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".

MISCELLANEOUS

TECHNICAL DATA

Physical properties

Size: W-46.5 H-90 D-22.9 (mm)
Weight: 91g
Display: 65K Color-STN (128X128 pixels)

Performance

GSM 900/DCS 1800
GPRS: Class B8
Standby: 100 hours
Talk time: 5 hours 30minutes

Communication features

Long SMS (456 char.)
EMS (sound & picture attachment)
MMS
Call wait & call hold
Conference call (up to 5 participants)
Call forwarding & call barring
Billing (AoC)
WAP

Personalizing features

Greeting
Wallpaper
Flashing LED
40 polyphonic ring tones
5 renameable caller groups

Organizing features

Calendar
Tasks
Alarm
Calculator

Leisure

3 games

Accessories

Contact local retailer

CHAPTER 6

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

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

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.

-Never try to open the battery as it contains substances that might be harmful if swallowed or allowed to contact unprotected skin.

SAFETY

CELL PHONE CARE

-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 won't 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 122 123

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).

SAFETY

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.

SAFETY

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

CAUTIONS

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).

SAFETY

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.

SAFETY

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

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