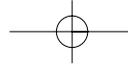


Entry

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maxon mx7920 user guide - 02206055_1.2



Entry

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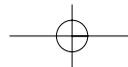
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Entry Welcome

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

Your new communications device represents the cutting edge technology of the 21st century, featuring dual displays, 4 shades grayscale main display, enhanced messaging service (EMS), polyphonic ring tones and entertaining games along with extensive Organizer and Phonebook properties.

Uplink to the Mobile Internet is facilitated with WAP 1.2 and

a fast GPRS data connection.



Size has always been a Maxon focuspoint, and the 7920-series have very modest exterior dimensions and will fit into any shirt pocket or purse.

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

You have acquired not just a phone, but a communications companion that will enable you to stay tuned and communicate in style.

Entry

About this user guide

This user guide is written for the Maxon MX7920, MX7921 and MX7922 cellular handsets and for these models only.

The layout of the user guide follows the same order as the phone menu system.

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

Please note that:

- Indicates a user action
- *(italic) indicates system response*

USE OF SMALLER, CAPITAL LETTERS INDICATES A NOTE OR A HINT TO THE USER.

Grey text indicates **optional** functions that may not be shared by all models

 indicates navigating with the arrow keys

OK indicates use of the OK key

 indicates network supplied data

User guide order no.: 02206055

Mini guide order no.: 02206059

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

Maxon Technical Marketing
maxon@maxon.dk

Get started

What's in the package

When you open your MX7920/21/22 sales package you should find the phone itself, the battery, the charger, the MaxSoft CD (Optional), the Mini Guide and this user guide. Depending of your place of purchase, various accessories may also be included. Contact your retailer if any of the above is missing.

The battery

Your phone comes with a high-performance rechargeable battery. The battery must be **fully charged** before you use your phone. Failure to do so may impair the service life of the battery. Use only the charger supplied with the phone.

To install the battery, align the pins at the bottom with the guides in the cover and click in place. To remove the battery, pull the button on the back of the phone upwards and lift off. The battery

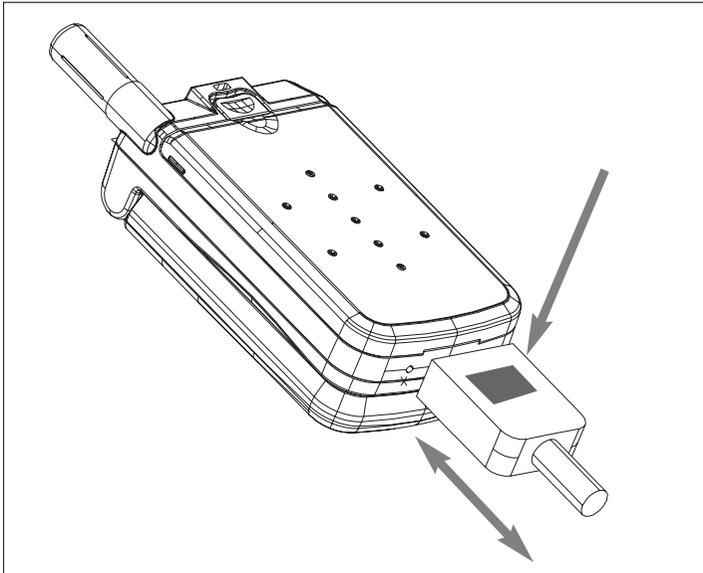
Open retail box
photo (MTHQ)

Important:

Carefully read the "Read me first" statement at the inside of the cover as it contains vital information concerning your security, the security of others and your legal rights.

Get started

Battery installation and charging



must be installed on the phone prior to charging.

To charge the battery:

- Connect the charger to the plug at the base of the phone with the "arrow" symbol on the plug pointing towards the display.

- Connect charger to mains
 - *an animation indicates charging in progress. When the animation stops, charging is completed*

- Press release tabs on back of charger plug and remove plug.

- Remove charger from mains by pulling the charger itself (do not pull cord).

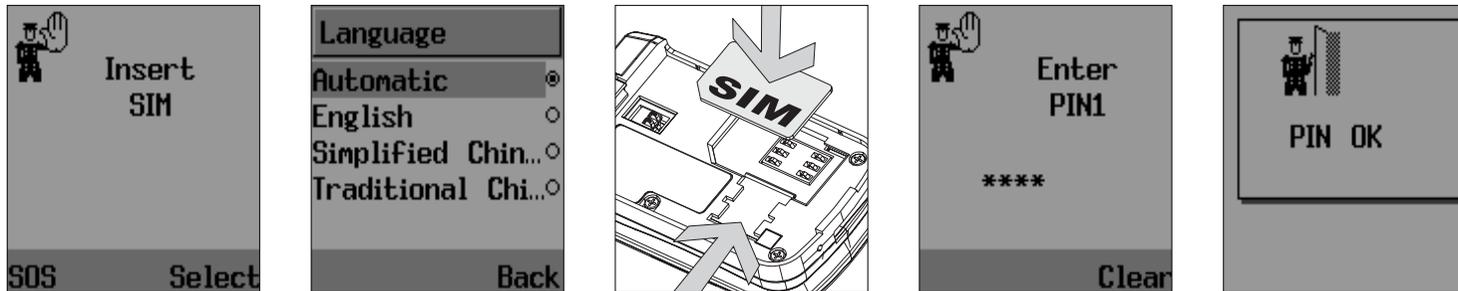
Important:

Be sure to charge the battery for four hours prior to using it the first time.

For longest service life, prefer full chargings to frequent small chargings when possible.

Get started

Installing SIM card



To connect to your network operator your phone must have a SIM card installed. The SIM card slot is located under the battery.

- Switch off the phone  and remove charger if connected. Release the battery and remove it to access the SIM cradle.

- Install the SIM card gold-plated side down and with the cut corner of the card matching the slot profile. Never use force. Avoid touching the gold-plated side of the SIM.

- Secure the card with the lock and reinstall the battery.

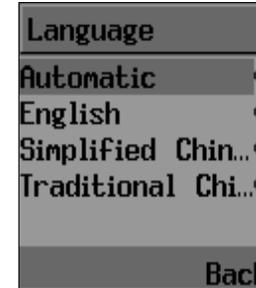
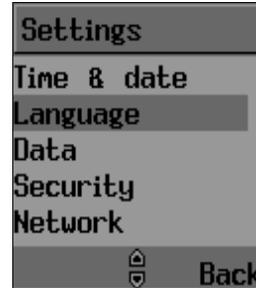
- Turn on the phone by pressing the  key for a few seconds.
 - *a tune is heard and the display becomes active. You are prompted to enter the PIN code.*

NOTE THAT UP TO THIS POINT, PRESSING SELECT ON THE RIGHT SOFTKEY WILL DISPLAY A LIST OF AVAILABLE PHONE LANGUAGES.

- Enter the network-supplied PIN code. Press the OK key to accept.

Get started

Set language



- your phone will search for the network. When connection is established, the the network name is displayed. You are now able to make and receive calls

NOTE THAT ENTERING AN INCORRECT PIN CODE THREE TIMES IN SUCCESSION WILL LOCK THE SIM CARD AND YOU MUST ENTER THE PUK CODE TO UNLOCK (SEE P. 9)

To set up language, time & date and to change the default PIN code:

- Enter the menu by pressing the **Menu** key. Use  or  to step to the

8

Settings menu. Press OK.

NOTE THAT IF YOU DID NOT SELECT LANGUAGE BEFORE YOU ENTERED THE PIN CODE, OR IF YOU WANT TO CHANGE THE LANGUAGE:

- Scroll to the **Language** submenu. Press OK.

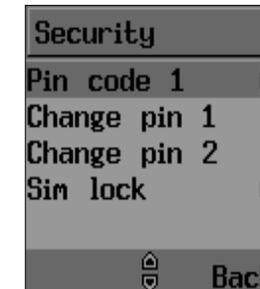
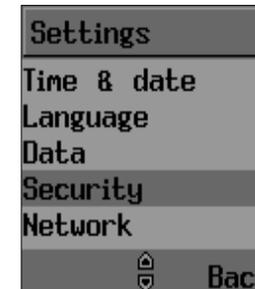
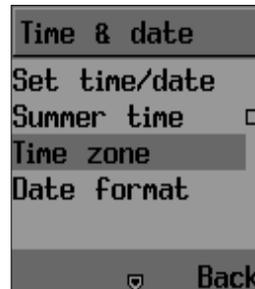
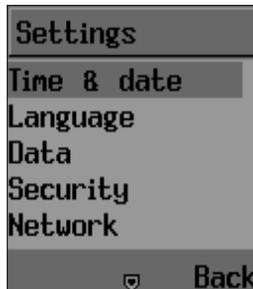
- a list of languages appears.

- Scroll, and select language with OK. Exit with Back.

- the display will change to the selected language

Get started

Set time & date, change PIN

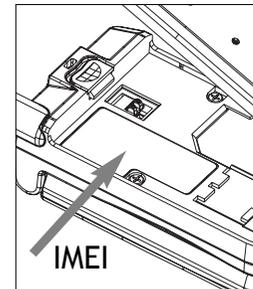
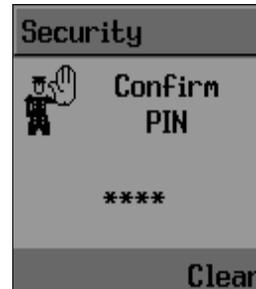


- Step Back to the **Settings** menu and:
- Scroll to highlight the **Time & date** submenu. Press OK
-the time & date submenu opens
- Scroll to **Time zone** to select your present location and proceed to **Date format** to change this if so desired
- Tick the **Summer time** box If you wish to apply daylight saving time
- Scroll to **Set time/date**. Press OK
-the time & date editor opens

- Enter the time. Press OK. Enter the date. Press OK
- Step Back to the **Settings** menu and:
- Scroll to highlight the **Security** submenu. Press OK. The options are:
 - PIN code 1** Switch PIN on/off
 - Change PIN 1** Alter your primary PIN
 - Change PIN 2** Alter your secondary PIN
 - SIM lock** Only the designated SIM can be used

Get started

The IMEI number



- Scroll to Change PIN1 and press OK. Enter your old PIN code followed by the new code. Confirm it when prompted. Press OK.

- Exit with right softkey.

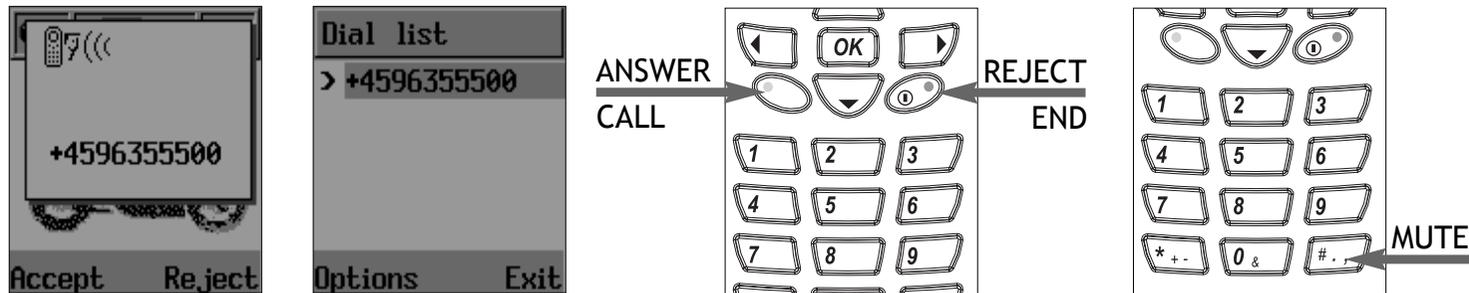
NOTE THAT IF YOU ENTER AN INCORRECT PIN CODE THREE TIMES IN SUCCESSION, YOUR SIM CARD WILL LOCK AND YOU MUST ENTER THE PUK CODE TO UNLOCK. PIN AND PUK CODES ARE EITHER SUPPLIED WITH YOUR PHONE OR MUST BE OBTAINED FROM YOUR NETWORK PROVIDER OR PLACE OF PURCHASE.

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, e.i. if your phone is lost or stolen. We suggest that you write it down here:

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

Get started

Answer or reject a call



When called, your phone will play the selected tone or melody and/or vibrate as selected. The display will show the calling number or, if the caller is listed in your phone book, the name will be displayed.

To answer a call:

- Press the **Answer** softkey
- *connection is established*

To reject or terminate a call:

- Press the **Reject / End** softkey

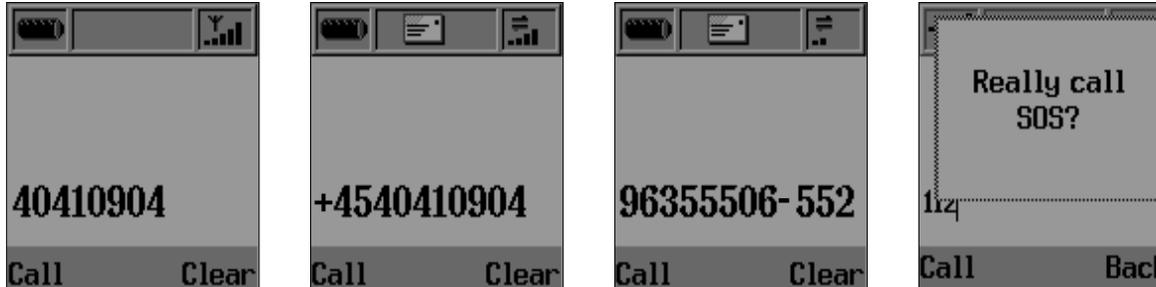
If you miss a call, the calling number will be stored in the **Dial list**. To retrieve a number, use **▼** to open the list, scroll to the appropriate number and press **OK**

To mute the phone, press the Mute key below the volume keys on the side

To make a national call, simply enter the desired number and press the Call softkey. A calling or busy tone will sound. To end the call, press **End**

Get started

International calls, call to an extension, emergency call



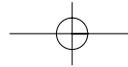
Some countries (e.g. USA) uses area codes. In this case you must enter the area code before the telephone number (no space between)

To make an **international call**, press the * key until + is displayed. Then enter the appropriate country code, area code if necessary and finally the telephone number, all in succession (no spaces)

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

- Enter the main phone number
- Press the * (srae) key until - (stroke) appears
- Enter the extension number. Press OK.
 - *the call will automatically be routed to the extension*

You will be able to make **emergency calls** at all times, even without a SIM card installed. You will be prompted to confirm your call (to avoid unintentional calls)



Get started Get acquainted

The MX7920/21/22 are equipped with illuminated dual displays. Main display is a 128 by 128 pixel grayscale display with full graphic capabilities

In the start screen, the following information may be displayed:

- **Top area:** Battery status, Call forwarding or Call barring set, SMS-alert, Mute (if selected), Signal strength

- **Middle area:** Wallpaper or analogue clock

- **Bottom area:** Softkey commands



- Battery status, time, signal strength and network name.

The keypad. The backlit keypad has 7 dedicated keys and 12 alphanumeric keys, allowing for number and text entries

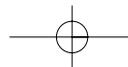
Menu key. Left arrow key opens the menu

Answer key. Answer a phone call

Reject key. Reject a call, terminate a call. Turn phone On/Off

The sub display is 80 by 50 pixel with orange backlight. The display shows:

Mute key. Mute on Hash key (#) in lower right corner (long key press).



Get started

Keypad function

Long key press. In the start screen, a long key press on the keys 2 to 9 will initiate a call to the connected shortcut number, provided that Shortcut dial is activated

Caps on/off & digits. In text editors repeated pressing on the * key will cause the cursor to toggle between upper and lower case. A long key press on the keys 1-9 will produce the digit

Symbols. Punctuation and symbols are selected in the options menu during text editing, but can also be found on the # key (in ABC mode)

Delete. Delete with the right softkey

Space. Space with the 1-key key

Star key (*). Switch between upper and

lower case letters in text editors. A long press will open the Symbols pop-up. Toggles between * + - / and = in standby mode

Hash key (#). Toggle between: # . , ; : " ' ? and ! in stand by. Controls . (period) in text editors. Mute function

Keypad tone. May be switched on/off in the Profiles menu

DTMF tones. The keypad allows for the use of DTMF tones, enabling you to access certain public services and to remote control various devices, e.g. an answering machine.

Volume control. In the MyPhone menu.

Earphones with microphone may be plugged in, opposite to the antenna

Get started

Navigating

base, automatically disconnecting the earpiece. A switch on the microphone enables you to accept and end a call.

Data and charger socket (bottom of casing). Use only original Maxon cables and accessories.

Navigating. The arrow keys and the OK key functions much like arrows and Enter on your PC, whereas two softkeys control shortcut commands. The softkeys are placed left and right to the arrow keys and softkey commands are displayed in the lower corners of the display. If no commands are displayed, the softkeys are not active.

In standby mode

- A down ▼ key press will open the Dial list. Left ◀ key press will access Phone Book Look Up and right ▶ key

press will enter the main Menu, whereas an up ▲ key press has no function in standby. A long press on OK will activate Voice dial.

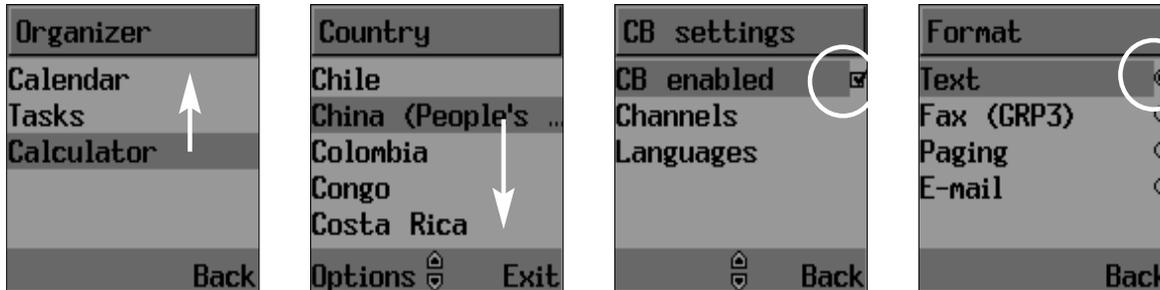
In main menu mode

- Pressing the arrow keys will step through menus and OK will enter the selected menu.

Once you have entered a menu, you can scroll up and down to highlight submenu items with the action bar. All menus are in a continuous loop, meaning that when you reach the end, the menu will start over again.

Get started

Navigating, cont.



- Pressing ▲ will move the action bar upwards.

- Pressing ▼ will move the action bar downwards.

- Pressing OK will enter the highlighted submenu make a radiobutton selection  or tick a checkbox.

From the start screen, following menus can be accessed:

Left key press

- Phone Book Look Up

16

Right key press

- **SIM Toolkit** (if network supported)
- **Messages** (SMS/EMS, E-mail & CB)
- **Mobile Internet** (WAP)
- **Phone Book** (New, Settings)
- **Organizer** (Calendar, Tasks, Calculator, Synchronization)
- **Games** (3 Games)
- **MyPhone** (Audio & Visual settings, Melody Composer, picture & sound)
- **Settings** (Time, Language, Data, Security, Network and Call settings)

Down key press

- Dial list (called/calling numbers)

Get started

Softkeys

In submenu mode

In most submenus you can go one step or deeper into the menu. Highlight the desired item and press OK. Pressing the right softkey with the command **Back** takes you up one level

Left and right arrow keys will increase/decrease values in settings menus (e.g. volume)

All options in settings as well as in feature menus can be accessed via the arrow keys, but you may also use the softkeys as shortcuts to many features

Softkeys. Your phone has two softkeys that allow you to access most features via roll-up menus. When one or both softkeys are applicable, the relevant softkey commands will appear in the

display. Commands and subsequent function of the softkeys will change as you navigate through the menus. If no commands are displayed, softkeys are not applicable

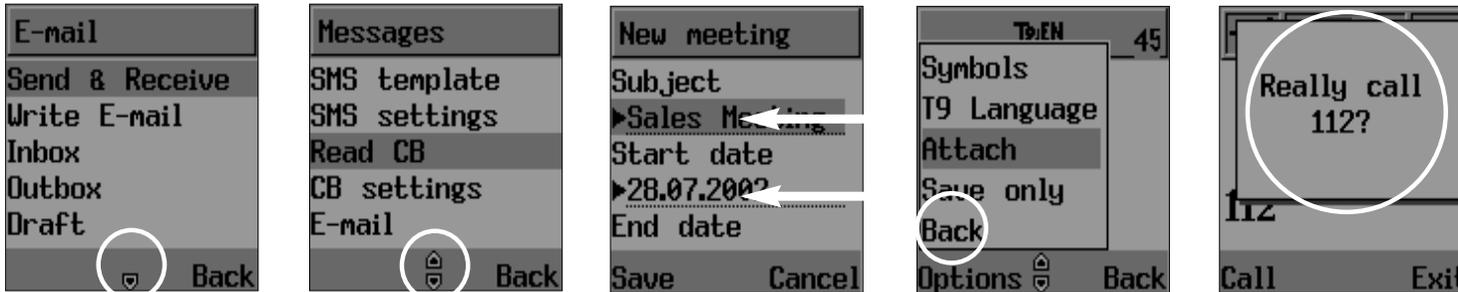
In the start screen, right softkey control the **Profiles** menu, letting you select one of five profiles suit the situation you are in. All profiles can be renamed

When navigating the menus, the left softkey is generally used to **select** and the right softkey to **clear, backspace** or **end**

When the left softkey controls **Save**, the command line will remain blank until all the required information is entered. In text editors, the right softkey command will change when text input is initiated

Get started

Display items



The right softkey also controls on/off (long key press)

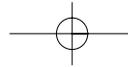
Scroll arrows. If the text is too large to fit in the window, scroll arrows will appear to show there is more text outside the window

One-line editors. When you wish to enter information, e.g. in the phone book or calendar, a list will appear from which you, line by line, can access the editor. The editor will start in T9 mode. Longpress on # key will enter ABC mode

Scroll through the list and enter the necessary information. Make selections in checkbox and radio button lists with OK or Select. When all requested information is entered, store with Save

Text editor. Appears when you write SMS messages. You can choose to accept the text entry or exit the editor at any time, using the softkeys

Pop-up windows. Pop-up windows will appear as a question, information, an event reminder, or an alert to inform you of problems



Get started

Voice mail, voice dial

Checkboxes & radio buttons. When setting up your phone, you may enable functions by ticking one or more checkboxes or radio buttons . In the latter case, only one option can be active at a time.

Icons. Many functions in your phone are illustrated by icons. Some of these will be animated, e.g. to indicate that the phone is working, or to illustrate a new event such as a incoming SMS

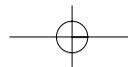
Features not accessed from the menu:

Voice mail is your network-based answering machine. A new voice mail will be indicated by a symbol in the start screen, You can play messages by selecting Voice mail in the start screen Options key or you may simply apply a long press on the "1" key

Voice dial (Optional). Enables you to access selected contacts from your phone book simply by speaking the contacts name into the microphone. The phone will dial the contact automatically according to the settings selected. To use voice dialling:

- Apply a long key press on the OK key.
 - *a pop-up box will prompt you to speak the contacts name*
- Speak loud and clearly into the microphone, i.e. "Mother"
 - *the phone will repeat the command and dial the contact*

If the command is not recognized by the phone, a beep will prompt you to try again. To setup Voice dial, see p. 41



Get started

Scratch pad, dial list, conference call

Scratch pad. During a call you may wish to take down a telephone number. Simply enter the number during the call and it will be stored in the Dial list.

Dial list. To access the dial list, simply press  in the start screen. A list of the last calls is displayed by phone number (In: > Out: <). Select **Details** in the softkey menu to view date & time of the call. If the caller is listed in your phone book, the name is shown instead of the number.

If OK is pressed while a phone number or name is highlighted, that number will be called.

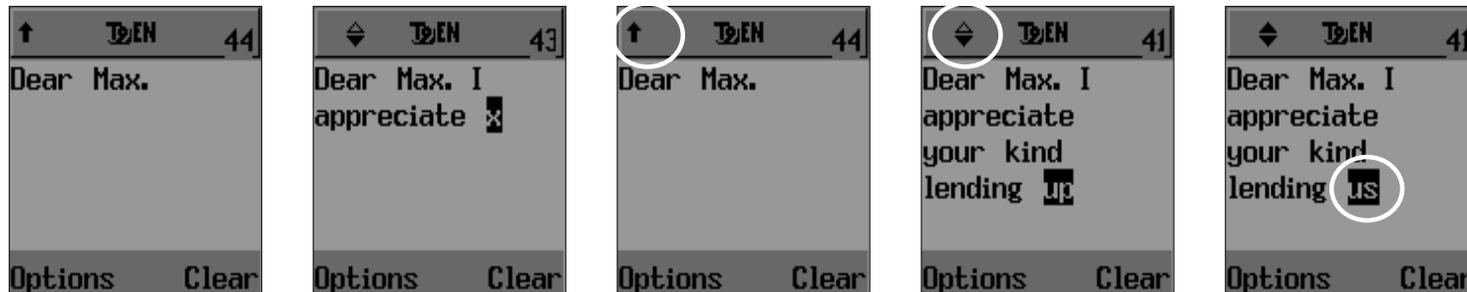
Conference call. You can conduct multi-party conversation on your phone. During a call, select **Hold** on left softkey and call another party. You can

include the first-called party in the conversation by selecting **Join** in the options menu. All parties can now converse. To include more parties, start by putting each connected participant on hold while you call the next. Then select **Join** all from the Options menu to open the conference. As many as five people can be online at the same time.

To release a participant from a conference call, select **Release** in the Options menu. To dismiss all in a multi-party conversation, select **Release all**.

Messaging

T9, the predictive text editor



Entering text into your phone is made easy by the **T9EN** predictive text editor and dictionary with learning capability. By suggesting, while you type, the most common words, or words you frequently use, T9 will allow you to write quickly.

When using T9, select the key that has the letter you want to type. e.g. of you want to type an "a", press the 2-key. If you want to type an "r", press the 7-key. **Only press each key once** even though the character you want may be number two or three on the specific key. You will experience that the word

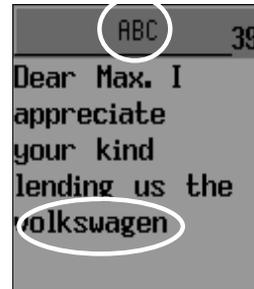
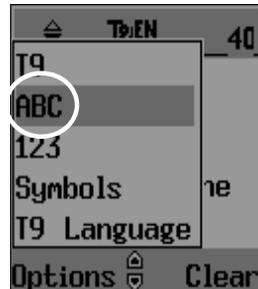
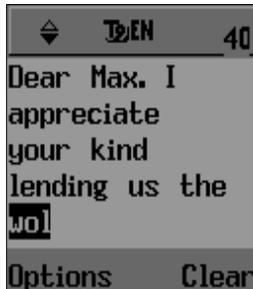
you are entering will change as you type and you should not try to make corrections in the word before you have finished typing it.

For capital letters press the *-key prior to typing the letter. An icon **↑** will appear in the top line.

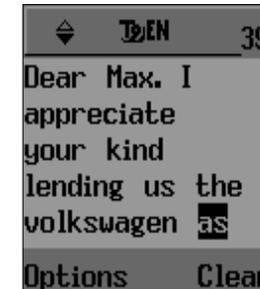
In most cases the text editor will find the desired word. If there are two or more options, an icon **◆** appears in the top line and a list of possible words is available when **▼** is pressed. Scroll to find the word you want. Press OK.

Messaging

T9, the predictive text editor



Press **▶** to store the word in the memory. Return to T9.



Should T9 fail to recognize the word, such as personal names or unusual words or should you wish simply not to apply T9, you can select ABC in the Options menu or by a long press on the # key.

To teach T9 a new word, switch to ABC mode. Type the word. Press **▶** to store the word in the memory. Return to T9. Up to 400 personal words can be stored. If this limit is exceeded, rarely used words will be deleted first.

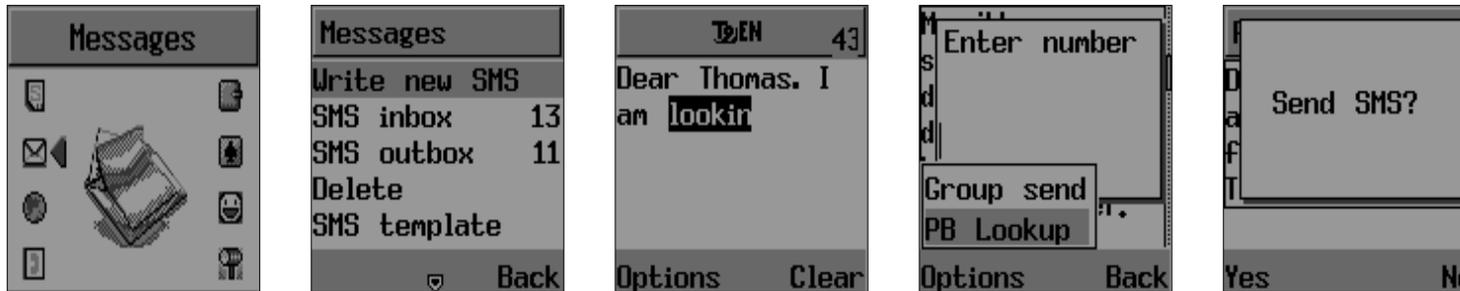
Editor modes, T9, ABC or 123, and sym-

bols such as @ can be selected in the Options menu, or you can long press * key for symbols, 0-key to switch to 123 mode and #-key to select ABC mode.

The T9 predictive text editor may require a little getting used to, but once you master it, you will find it is a powerful and useful tool. In average you will save up to 60% time using T9.

Messaging

Send SMS and EMS



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 tones and wallpapers

- Press **►** to open the menu overview. Step to the **Messages** menu. Press OK. The Write new SMS submenu is the first choice. Press OK to enter the editor
- Write your message using a maximum of 456 Latin characters

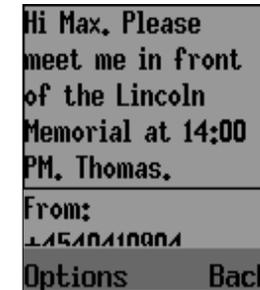
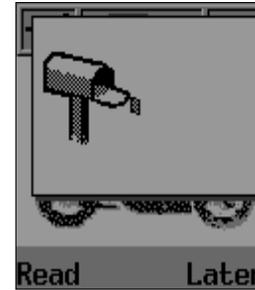
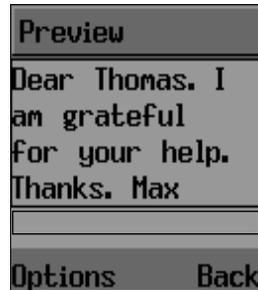
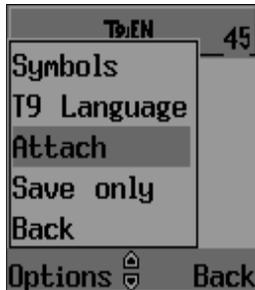
NOTE THAT USING MORE THAN 153 CHARACTERS WILL REQUIRE AN EXTRA SMS MESSAGE TO BE SENT, MORE THAN 306 WILL REQUIRE THREE MESSAGES. SOME LANGUAGES MAY HAVE CHARACTERS THAT WILL RESULT IN UP TO SEVEN MESSAGES.

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

- When typing is finished, press OK.
- Type the recipients phone number. Press OK. Confirm sending with **Yes**
 - *the message will be sent*

Messaging

Read messages



To include a picture or a sound with your SMS, select **Insert** on left softkey. The picture & sound **Import** manager opens. Select Animation or Melody and scroll to select the desired item- Press OK. The item is inserted in the text. Press OK again to send the SMS

An **incoming message** alert will be shown in the start screen (and with a tone or vibration if so selected). Press **Read** to open the message. If you want to store an attached picture or sound in your library, scroll through the message with to highlight the attachment. Select

Store on left softkey

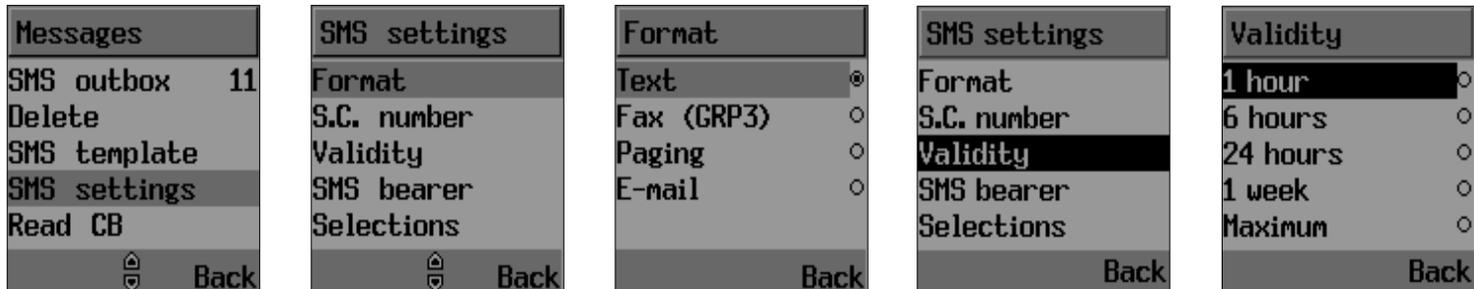
To postpone reading of a new SMS, press **Later**. The message is stored and the  icon will appear in the start screen

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

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

Messaging

Set up SMS options



To edit a sent or Save Only message:

- Scroll to Outbox. Select message. Select **Edit** on left softkey
- *the message opens.*

To create a template, scroll to SMS template and write the text. **Save**. You can enable the use of the template in the Selections menu in SMS settings.

Delete old messages regularly to avoid memory congestion. Scroll to Delete, and select Inbox, Outbox or Delete all

To set up up SMS options, enter the

Messages menu and scroll to **SMS settings**. Press OK to open the settings sub-menu, comprising the following options:

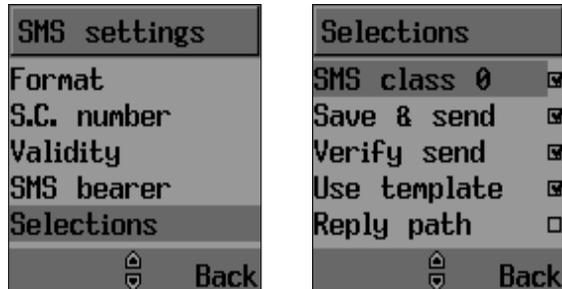
Format. Lets you select from four alternative data formats, if supported by your network. Text format is default

S.C. number. Enter your operator Service Center number

Validity. Specify the period a sent message will be hosted by the network. Five options

Messaging

Set up SMS options



SMS bearer. Select GSM or GPRS connection. Your network subscription must include GPRS services for you to use this

Selections. Select among:

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

Save & Send . Saves message in SIM memory

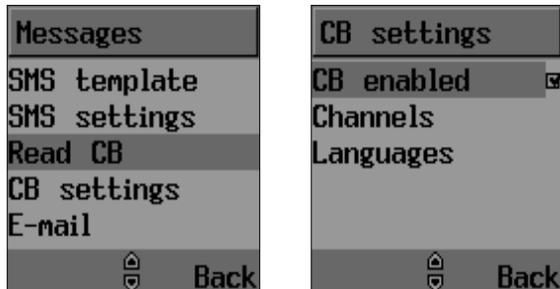
Verify send . Initiates confirmation request before sending

Use template . T9 editor default starts with template text

Reply path . Will let the recipient use senders service center

Messaging

Cell Broadcast (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

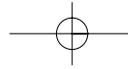
Messages will be stored in the memory, but new messages will overwrite old ones received on the same channel. To read the last messages stored, enter the **Messages** menu and select **Read CB**, then select the channel you want to read

To set up CB, enter the **Messages** menu and scroll to **CB settings**. Enter OK to open. You can select:

CB Enable . Tick to open for Cell Broadcast reception

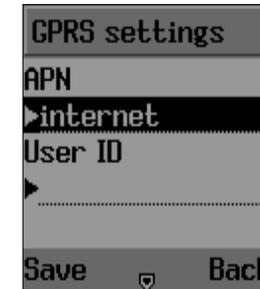
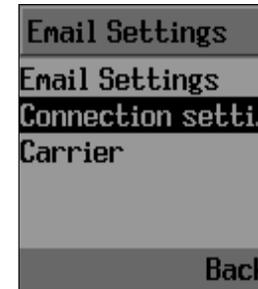
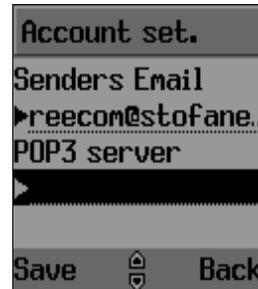
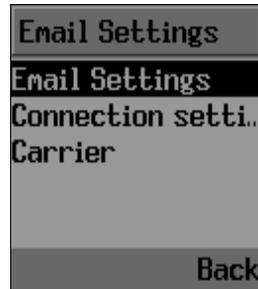
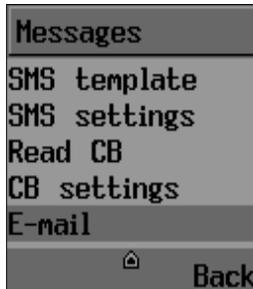
Channels. View existing channels, add a New channel or use Rename to customize channel names

Language. Scroll a list of CB languages. Select with OK. Save with left softkey



Messaging

E-mail client



Send and receive E-mails (Optional)

SMPT server. Server name

NOTE. BEFORE YOU CAN USE THE E-MAIL CLIENT, YOU WILL HAVE TO SET UP THE PARAMETERS.

- Open the **Messages** menu
- Scroll to E-mail. Press OK
- Enter **Email settings** to set up:
 - Account settings**
 - User name.** Your account ID
 - Password.** Your network password
 - From name.** Your E-mail address
 - POP3 server.** Server name

Connection. Setup network
GPRS

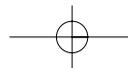
- APN.** Unique network location
- User ID.** Your account ID
- Password.** Network password

GSM

- Phone number.** Dial-up number
- User ID.** Your account ID
- Password.** Network password

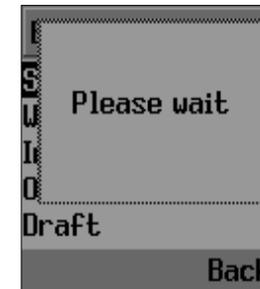
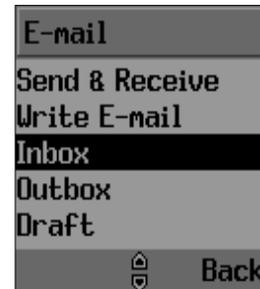
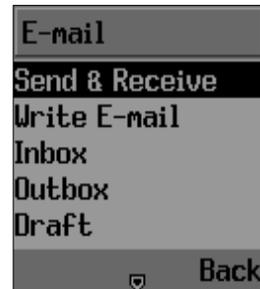
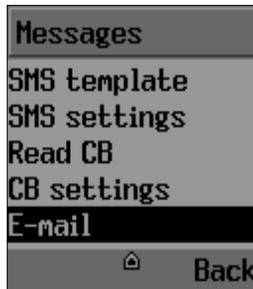
Carrier. Select network transmission

- GSM
- GPRS



Messaging

Read E-mail



Conclude each step with **Save**. You are now ready to send and receive E-mails:

- Scroll to **Send & receive** and press OK.
- *your phone will connect you to your mail account, download incoming mails from the server and send E-mails from your **Outbox***

To read E-mails:

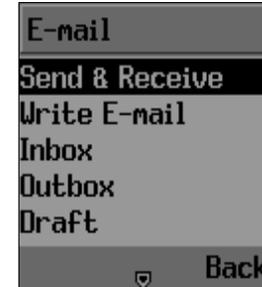
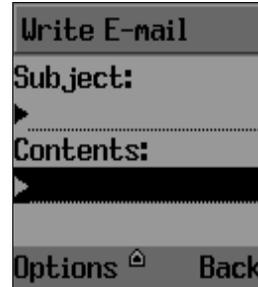
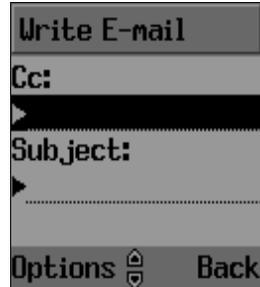
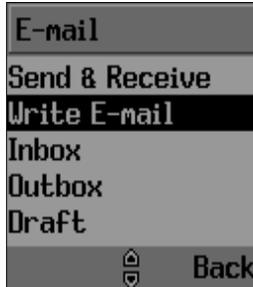
- Scroll to **Inbox**. Press OK
- *a list of the 20 newest emails is presented by **Subject***

- Scroll through the list. Select E-mail to read. Press OK
- *the selected email is downloaded for reading*

NOTE. SENDING & RECEIVING E-MAILS MAY TAKE SOME TIME, ESPECIALLY LARGE MAILS. ONLY ONE EMAIL IS DOWNLOADED AT A TIME. DOWNLOADED EMAILS WILL NOT BE DELETED FROM THE SERVER. IT WILL NOT BE POSSIBLE TO DOWNLOAD ATTACHMENTS. LONG E-MAILS WILL BE TRUNCATED TO A MAX. OF 700 CHARACTERS.

Messaging

Write and send E-mail



To create a new E-mail:

- Scroll to Write email and press OK.
 - *the editor opens, prompting you to enter E-mail addresses (To:, c.c:) and Subject:, prior to writing the mail.*

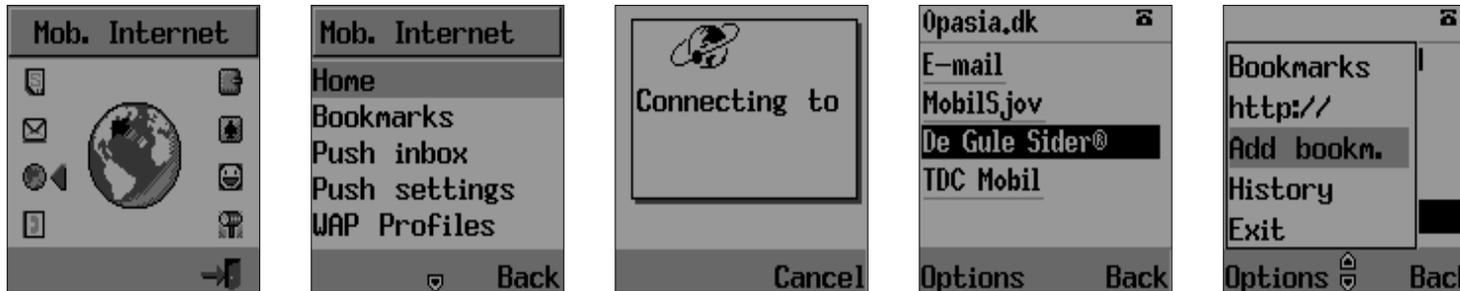
NOTE. WHEN YOU HAVE WRITTEN YOUR MESSAGE, YOU CAN CHOOSE TO SAVE IT TO OUTBOX OR SAVE AS A DRAFT. A DRAFT WILL BE STORED IN THE MEMORY AND WILL NOT BE SENT THE NEXT TIME YOU SELECT SEND & RECEIVE. TO SEND A MESSAGE, IT MUST BE SAVED TO OUTBOX.

With this information keyed in, proceed to **Contents** to write your message

- Save your message on left softkey
- Go to **Send & recieve** and press OK to send your message

WAP - Mobile Internet

Home, Bookmarks



WAP is a technology that enables you to access the Mobile Internet via your phone

NOTE. IF YOUR PHONE COMES UP WITH A "WAP SETTINGS INCOMPLETE" MESSAGE, YOU MUST GO THROUGH THE SET-UP PROCEDURE, DESCRIBED ON P. 33.

If your phone is set up for WAP by your network provider, to access the Mobile Internet for the first time, simply:

- Press right arrow key to open the menu overview. Step to the **Mobile**

Internet menu. Press OK

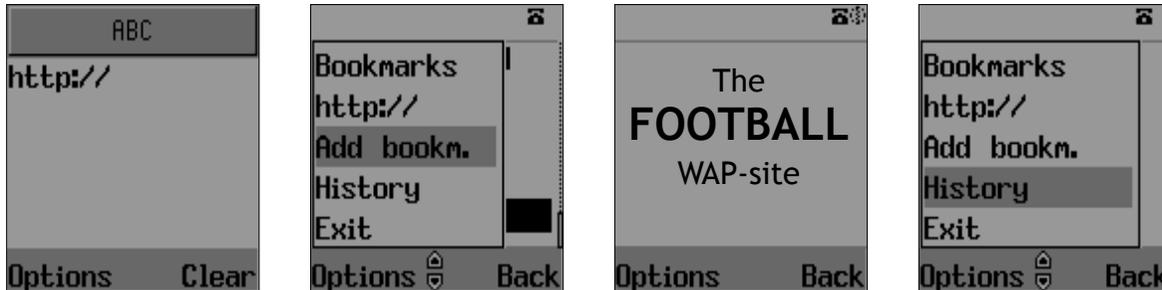
The first two submenus will be **Home** and **Bookmarks**. Home will most likely be the homepage of your network operator and as no other WAP-sites are bookmarked yet, also your only option

- Press OK to open Home
 - *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

WAP - Mobile Internet

Passwords, E-mail on WAP



homepage or enter another homepage via the **Options** softkey menu

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 allowing you to add a homepage to **Bookmarks**

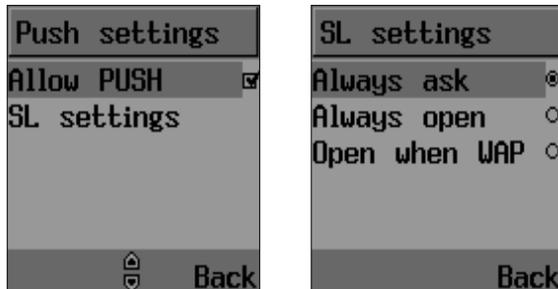
- **Delete.** Opens the list of WAP-sites. Delete by highlighting and press OK

You can retrieve previously visited WAP-sites with the command **History**

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

WAP - Mobile Internet

Push technology



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

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, tick **Enable push** and open Push access to select:

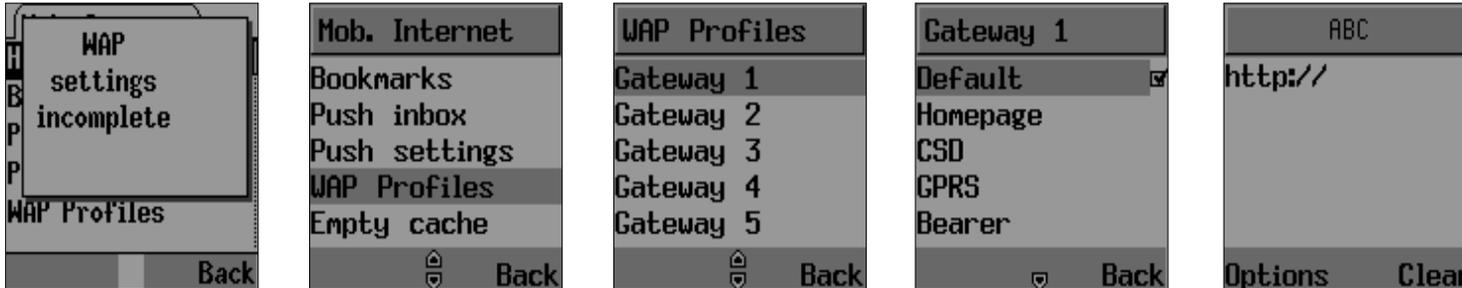
Always ask. WAP-site will open upon your confirmation

Always open. WAP-site will open automatically

Open when WAP. WAP-site will open if you are in a WAP session

WAP - Mobile Internet

Set up Wap



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

- Go to the WAP menu. Scroll to **WAP Profiles**. Press OK.
- Select **Gateway 1**. Press OK. Tick **Default** to make this your Home. You can configure five different gateways, but only one at a time can be “Home”.

- Select each of the following menu points in turn and enter the requested information. Confirm each choice with OK and proceed to the next point:

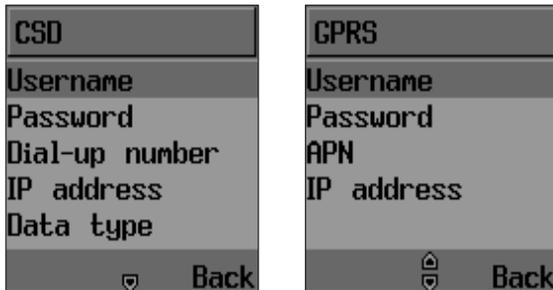
 **Homepage** (e.g.: <http://wap.aol.com>)

CSD

-  User name
-  Password
-  Dial-up number
-  IP address
-  Data type (Analog /ISDN)
-  Data speed (9600 / 14400)
- Idle timeout (is the time you want

WAP - Mobile Internet

Set up WAP cont.



the phone to keep an idle connection)

GPRS.

-  User name
-  Password
-  APN (Access Point Name)
-  IP address

 **Bearer.** Select GPRS or CSD.

 **IP Address.** The IP Address is a 12 digit code. When typing it, enter 0 for "blank" spaces.

 **Connect mode.** Determines your connection. If no specifications are stated by your network, both Temporary and Continuously are applicable.

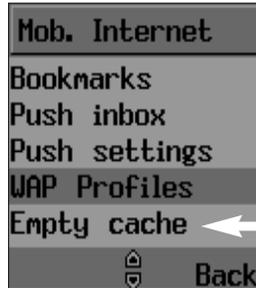
Security . Tick this to enable the use of encrypted transmission which some URLs may require.

Show graphics . Tick this to include graphic elements in the display.

Rename. Select your own name for the gateway.

WAP - Mobile Internet

Empty cache

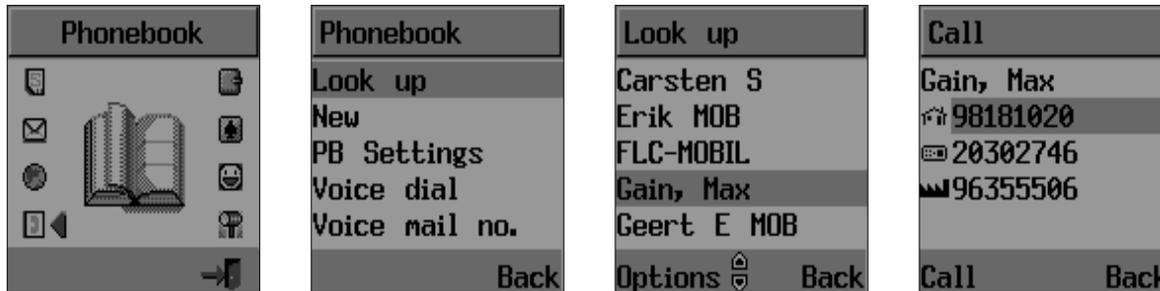


Repeat the setup procedure for the remaining four gateways to create alternative "Homes".

Empty cache. 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 memory congestion.

Phonebook

Look up contacts



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.

Select phonebook on left softkey in the **Look up** menu. SIM card is default.

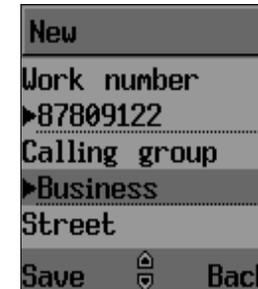
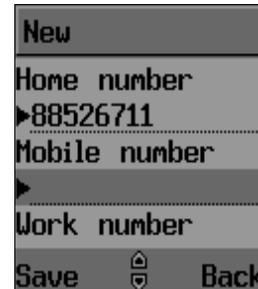
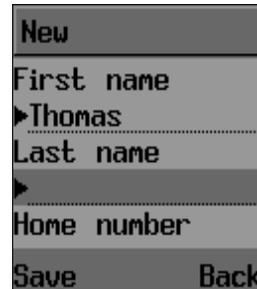
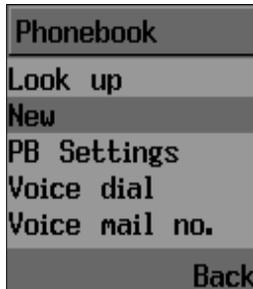
Copy (Optional). You can copy names and phone numbers from/to a SIM card but not address information.

To look up an existing contact, simply use **Left Arrow** as a shortcut, or:

- Press **Right Arrow** to enter the menu overview. Step to the **Phonebook** menu. Press OK
- Scroll **Down Arrow** to **Look up** and press OK.
 - *contacts are listed by surname.*
- Scroll to find the contact. Press OK
 - *the window will display contact name and telephone numbers, available*
- Scroll to find the number. Press **Call**

Phonebook

Add new contacts



To add a contact to the SIM phonebook:

- Scroll to **New**. Press OK
 - a text editor appears

- Enter the first and last name of the new contact. Scroll ▼

- Enter telephone number. Save

NOTE: IF YOU HAVE CHOSEN **PHONE** AS YOUR PHONEBOOK, UP TO THREE NUMBERS CAN BE ENTERED ALONG WITH ADDRESS INFORMATION FOR EACH CONTACT.

- Enter additional numbers. Scroll ▼

- Specify caller group for the new contact. Scroll ▼

- Enter address, postal code and country. Scroll ▼

- Enter email address. (You will find @ in the left softkey menu)

When you have entered the information you wish (name and one phone number minimum), press the **Save** softkey. The phone returns to Phonebook menu.

Phonebook

Settings, shortcut dial



Contact name and number(s) will be stored in the memory

Synchronizing (Optional). The Phonebook can be synchronized with MS Outlook on your PC. See p. 47 for details

Copy (Optional). If a new SIM card is inserted in the phone, you can copy data from this. You may also copy data to SIM cards, and share contact information with friends and colleagues. Copy features are in the PB Settings submenu

To alter settings in the Phonebook:

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

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

Phonebook

Fixed list, barred list, own number



the phone book. Press OK
 - *any previous contact on the selected position will be overwritten*

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. 9)

 **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. Store your own number

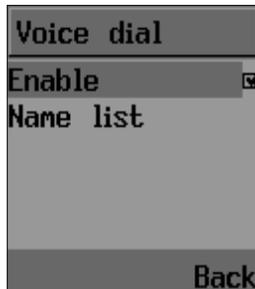
40

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

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

Phonebook

Voice dialing



Voice dialing (Optional) will enable you to access selected contacts from your phone book simply by speaking the contacts name into the microphone. The phone will dial the contact automatically according to the settings selected. To set-up voice dialling:

Enter **Voice dialing** in the Phonebook menu and:

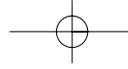
- Tick **Enable** , to activate.
- Enter **Name list** to select contacts for voice dial. Left softkey controls the

options **New**, **Edit**, **Delete**, **Play** and **Voice change**.

- Select **New** to open the phone book.

Add or delete names from the phone book. When a new number is selected, you will be prompted to speak the number for the phone to memorize. Be sure to do this in a quiet environment. A maximum of 20 numbers can be stored in the voice dial memory.

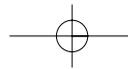
Service numbers. This is a network service and the menu will only appear if



Phonebook

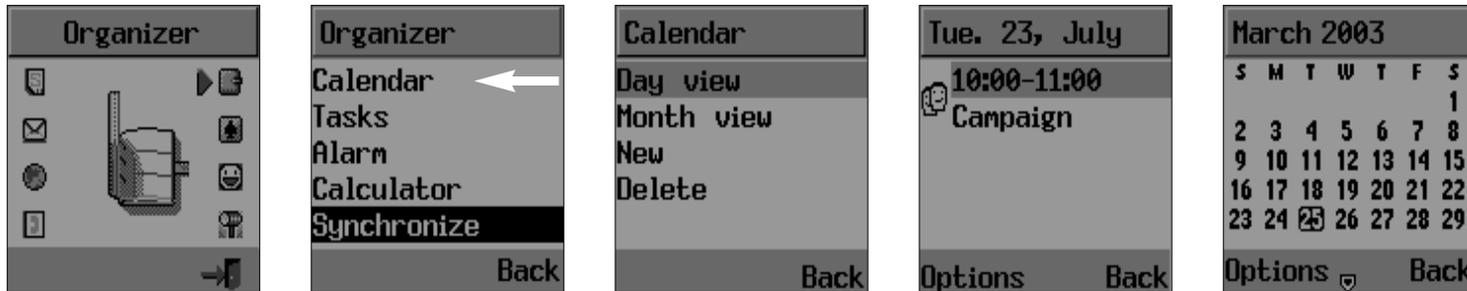
Service numbers

your network operator supports this service. The menu may contain various services, depending on the network.



Organizer

Calendar



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

- Step to **Organizer**. Press OK. Select:

Calendar

- to make and view appointments

Tasklist

- to take down things to remember

Alarm

- to set up an alarm call

Calculator

- to make simple calculations

Synchronize (Optional)

- to copy data to/from your PC

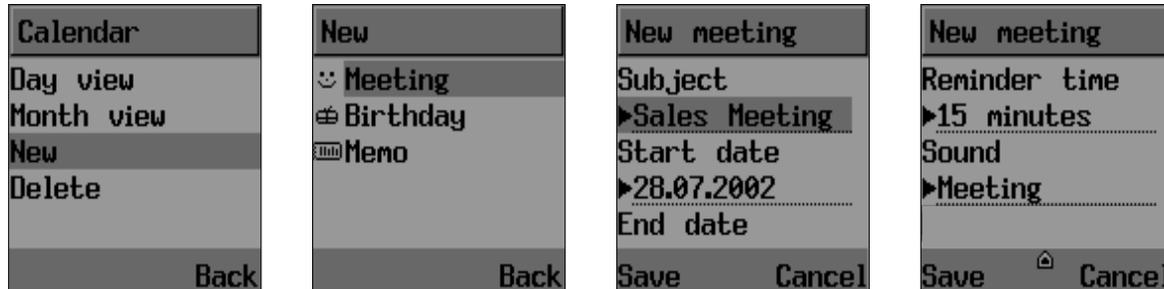
- Scroll to **Calendar**. Press OK.

In **Day view**, you can check your appointments for the day. You can scroll through the entries and use OK to view an appointment. Delete or add an appointment on left softkey, or go to Month view.

Month view will give you the full picture. Dates with appointments are underlined. You can toggle through the

Organizer

Enter new appointment



days of a month with the arrow keys and select a date with the OK key to enter Day view on that particular date

In **New** you can enter appointments. You will be prompted to define it as an Event, a Meeting or a Memo. Select one and enter the relevant information in the text editor. Use the arrow keys to scroll through the entry fields:

Subject

- what is the event about.

Start and End date, Start and End time

- set up parameters for the event

Reminder

- get an audio reminder of the event

Sound.

- select the sound you wish to apply

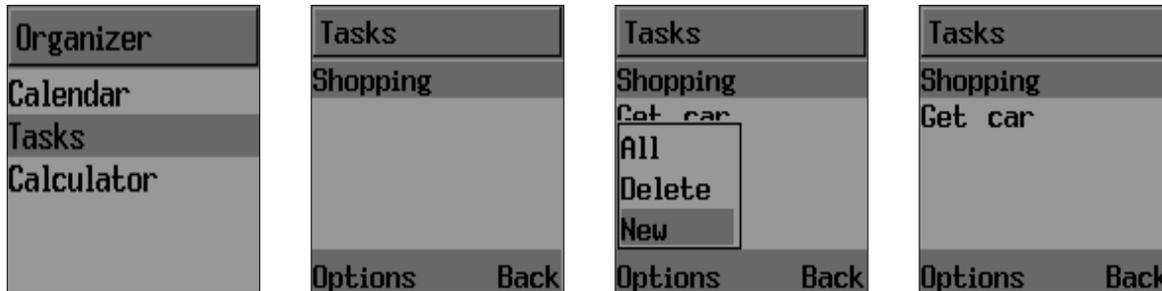
Press **Save** to return to Calendar menu or **Cancel** to leave the text editor

Delete. Clear up your calendar by deleting all entries or select those who are a week or a month old

Synchronizing (Optional). The Calendar can be synchronized with MS Outlook on your PC. See p. 47 for details

Organizer

Tasks list



The **Tasks** list is an notepad that will help you to remember things to do

- Step to the Organizer menu. Press OK
- Scroll to **Tasks** submenu Press OK.

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

- Select **New** on left softkey
- *an editor opens*

If one or more task are entered, you can choose **Edit**, **View list** or **Delete** entries from the Tasks list

You can enter up to 10 different tasks, each with a maximum of 24 characters, and set the alarm to remind you

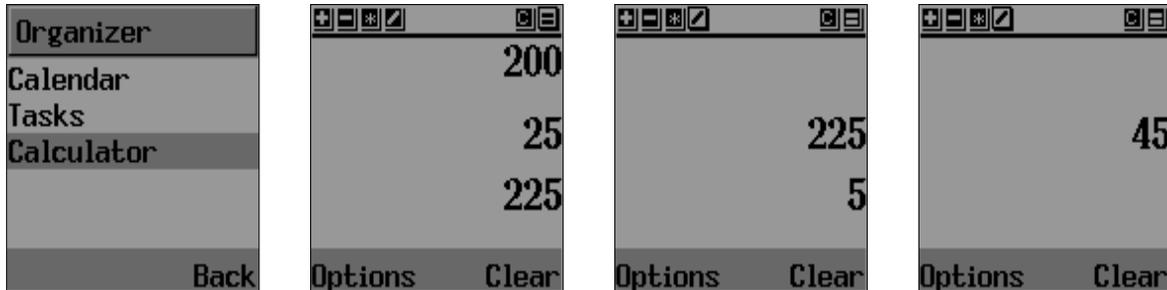
Synchronizing (Optional). The Tasks list can be synchronized with MS Outlook on your PC. See p. 47 for details

Alarm. To set a wake-up call, enter Alarm and:

- Enter **Time** to set the desired wake-up time
- Tick **Enable** to activate the alarm

Organizer

Calculator



To use the calculator, enter the Organizer menu and select **Calculator** submenu. Press OK.

Enter the first figure and select mode + - * or /. Press OK. Enter the second figure, select = and press OK. The result is displayed on the bottom line. Example:

Enter 200. Select + . Press OK. Enter 25. Select =. Press OK. The display shows:
225

If you want to continue the calculation after the addition in the example, do

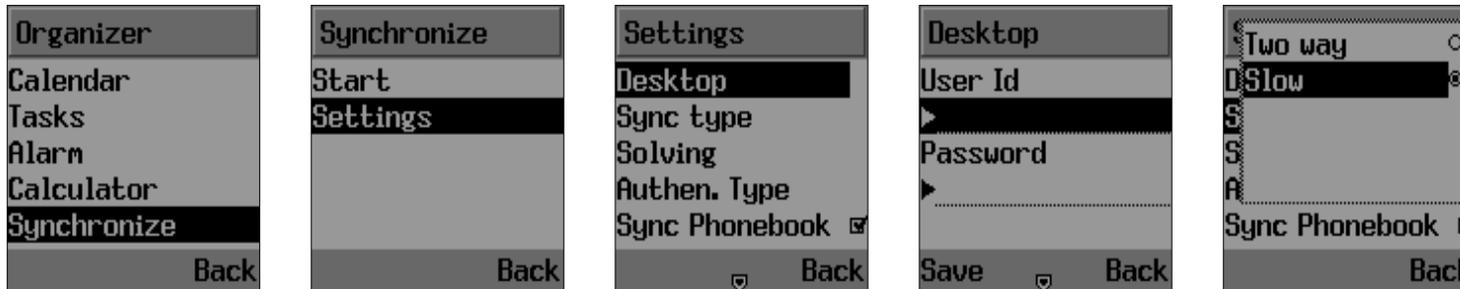
46

not select =, but press OK while in + mode to reach 225 as an intermediate result. If you want e.g. to divide the above result by 5, then use the arrow keys to sidestep to /. Press OK. Enter 5 and select =. Press OK. The display shows the final result: 45. Only use = when you want to finish a calculation.

Use right softkey to clear single digits. A long key press will clear all and return the command prompt to Back.

Organizer

Set up synchronization



Using Synchronization (Optional)

The PC-sync feature enables you to synchronize the calendar, phonebook and tasks list in your phone with your Microsoft Outlook desktop organizer.

NOTE: BEFORE YOU ATTEMPT TO SYNCHRONIZE, YOU WILL HAVE TO INSTALL THE SERIAL CABLE IN YOUR PC (CONNECT CABLE IN COM 1. TURN YOUR PC OFF BEFORE CONNECTING) AND INSTALL THE PC SOFTWARE. PLEASE REFER TO THE INSTRUCTIONS ON THE CD. WE STRONGLY RECOMMEND THAT YOU BACK UP YOUR MS OUTLOOK BEFORE SYNCHRONIZING.

In the Organizer menu, scroll to **Synchronize**. Press OK. Scroll to **Settings**. Press OK.

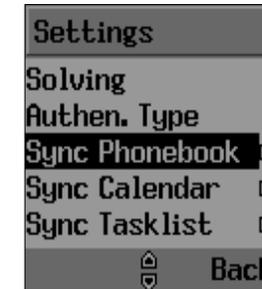
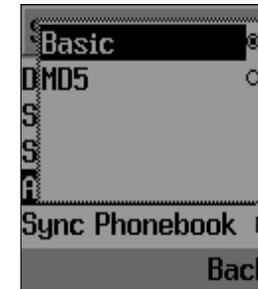
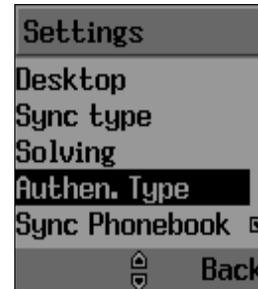
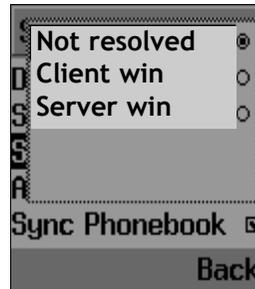
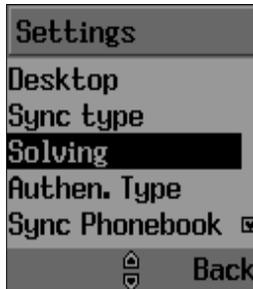
- Enter **Desktop** to set up:
User ID. Select a user name
Password. Select a password

NOTE: USER ID AND PASSWORD MUST BE IDENTICAL IN PHONE AND PC-SYNC SETTINGS.

- Enter **Sync type** to select:
Two-way . Phone and MS Outlook is synchronized by comparison
Slow . Information is synchro-

Organizer

Set up synchronization



nized by replacing all data. Double entries may occur

- Enter **Solving** to select how mismatches are handled:

Not resolved. To merge client (phone) and server (MS Outlook) information

Client win. To have phone information overwrite MS Outlook

Server win. To have MS Outlook information overwrite phone

- Enter **Authen. Type** to select:

Basic . Basic security level.

MD5 . Enhanced security level (check with your systems responsible)

- Select items to be synchronized:

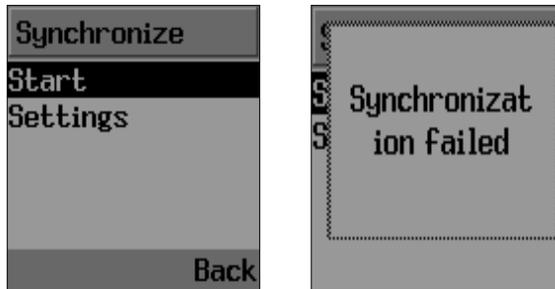
Phonebook . To synchronize your contacts (name, phone numbers and address information)

Calendar . To synchronize up to 100 appointments (recurring events are not supported)

Tasks list . To synchronize jobs to be done and things to remember

Organizer

Synchronizing with MS Outlook



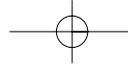
When settings have been completed, and the Sync_ML software is installed on your PC, you will be able to synchronize the information in your phone with that of your MS Outlook. To do so:

- Open MS Outlook on your PC and copy the contacts, you want to synchronize, to the PHONE_SYNC folder in Contacts
- Start the Sync_ML program
- Select **Start** on your phone to start synchronization
 - a pop-up box displays "Connecting"

If you get the message "Synchronization failed", your phone may not be properly set up. Scroll to Settings and repeat the above steps. Pay special attention to the user ID and password. These must be identical in the phone and in the Sync_ML program

Please recognize these limitations:

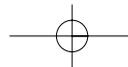
- The phone will handle a maximum of 100 entries in your Calendar
- Recurring events are not supported in Calendar or Tasks list
- Contacts are limited to the 250 entries



Organizer

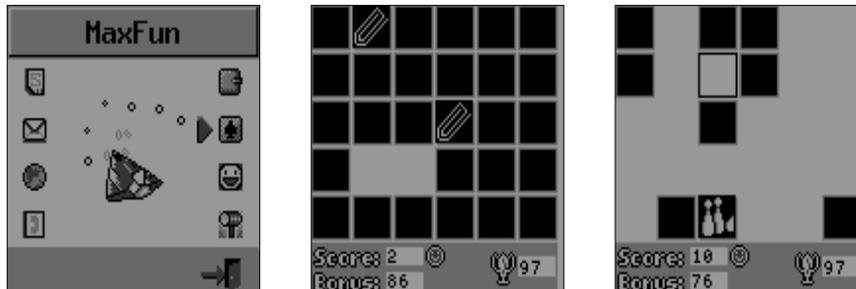
Limitations to synchronization

in your phone database
- Contacts to be synchronized must be copied to the PHONE_SYNC folder in your Outlook. Read the instructions on the CD for details.



MaxFun

Memory, Defenz



The MX7920 comprises 3 amusing and challenging games.

- Step to **MaxFun**. Press OK. Select:

Memory. A classic card game in a new and challenging form. Put your memory to test with six difficult levels, each comprising 18 pairs of cards.

To play Memory, use the arrow keys to highlight a card and OK to select it. Repeat this with another card. If the card faces found are different, the cards will return to face down. If the

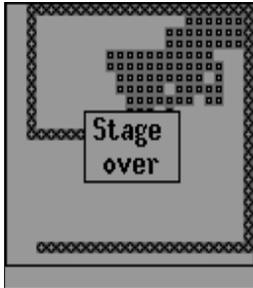
cards match, they will be removed from the game. When all cards are removed, you will have the option of proceeding to the next level. You start out with a 100\$ credit and your score will depend on how few attempts you need to turn all the cards.

Defenz is inspired by early PC classics where the phone is your opponent. The aim is for each party to build a fence and isolate the other before he can do it to you.

To play Defenz, use the arrow keys to

MaxFun

Defenz, Adventure



control your fence. If you run head-on into the boundaries of the screen, if you run into your opponent or if you step back into yourself, you will “die” and lose the round.

The game has six levels. After the first level, the difficulty, number of opponents and game speed will increase from level to level. You must score at least 1000 points to proceed to the next level.

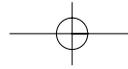
Adventure is a 3-in-one game for the thrill-seeking explorer. Enter the game

and Adventure will randomise and pick a game for you:

Catch the mole. Use 1, 3, 5, 7 and 9 keys to hit the mole. You must hit 20 moles to pass, but only five misses to lose the round.

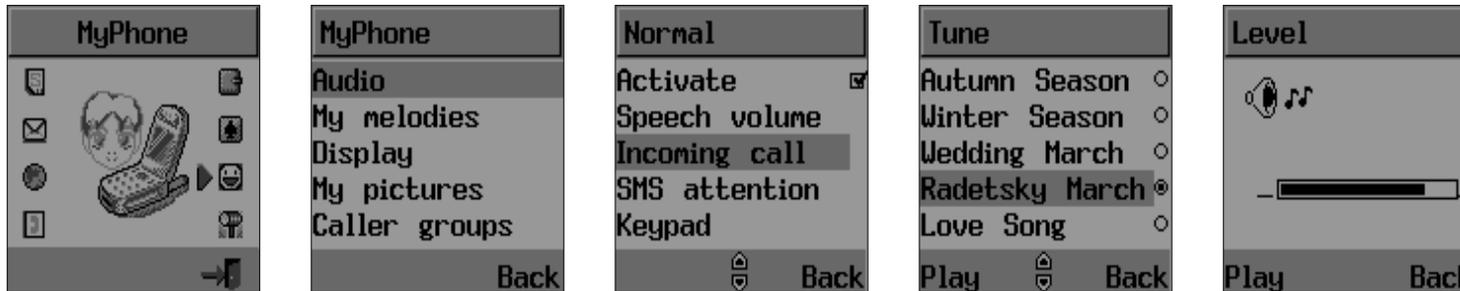
One shot. An amusement park-style game. Use keys 3, 6 and 9 to fire the rifle at different heights to hit the flying balloons. You must score 10 balloons to win the game.

Flag game. Anticipate which flag the turtle will raise and press or to select



MyPhone

Set speech volume & ring tones



The default settings in your phone as regards the sounds and displays are easily changed, allowing you to personalize audio and visual signatures to meet your individual preferences. The phone has five profiles that can be set up individually to suit different situations and renamed.

Press **Menu** and step to the **My Phone** menu. Press OK.

Select **Audio**. Press OK. The profiles Silent, Discreet, Normal, Outdoor and Freestyle are listed.

Scroll to the profile you want to edit and press OK. Enable the profile by ticking **Activate** and subsequently alter one or more of the following settings:

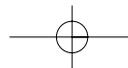
Speech volume - adjustable in seven levels.

Incoming call

Tune - access to 49 different ring signals + up to five composed.

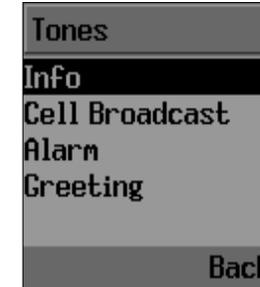
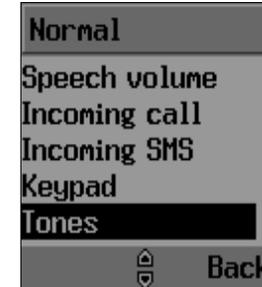
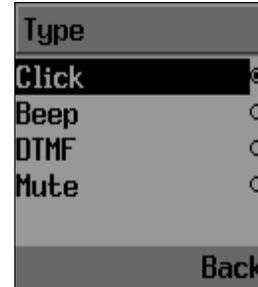
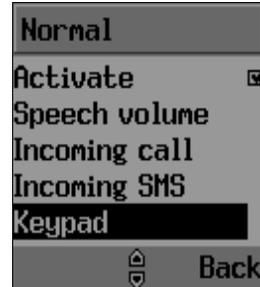
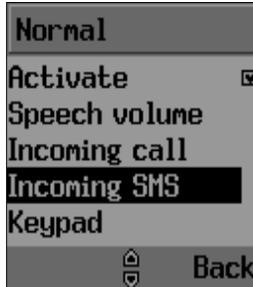
Type - choose between Normal, Once and Rising.

Level - sound adjustable in 7 levels.



MyPhone

Set SMS tones, keypad sound, vibrator



Incoming SMS

Tune - access to 10 different SMS alert tones + up to five composed.

Level - sound adjustable in seven levels.

Keypad

Tune - select Click, Beep, DTMF or Mute.

Level - keystroke sound adjustable in two levels.

Tones - adjustable in three levels for the functions:

Info

Cell Broadcast

Alarm

Greeting

Vibrator - vibration adjustable in three levels and two types for:

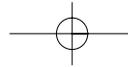
Incoming call

SMS

Alarm

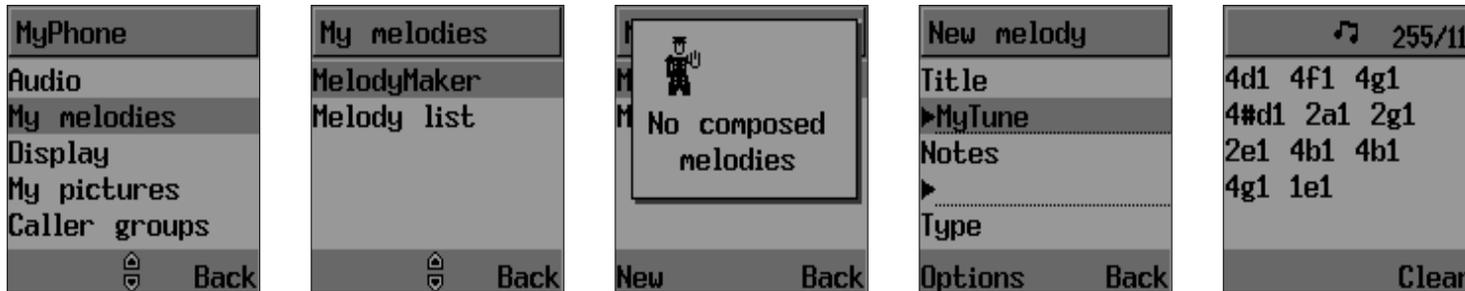
Rename - open editor to rename the active profile.

Reset Profile - returns active profile to factory defaults.



MyPhone

Compose own tones



To create tunes of your own with the built-in composer to use as ring tones or for amusement only, enter the **My melodies** menu and select:

MelodyMaker

If no melodies are composed, a pop-up box will alert you.

- Select **New** on the left softkey.
 - *the edit window opens.*
- Enter the Name of the tune, select Ring Tone or SMS Tone and press Notes to open the composer editor.

- Enter notes: Keys 1 to 7 represent the notes C, D, E, F, G, A, B.

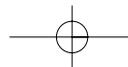
- Alter the sound, applying one or more of the following effects:

Duration: shortens and lengthens a note by 1/4 (e.g. 4D)

Long key press: Enhance the duration by an additional 50 %.

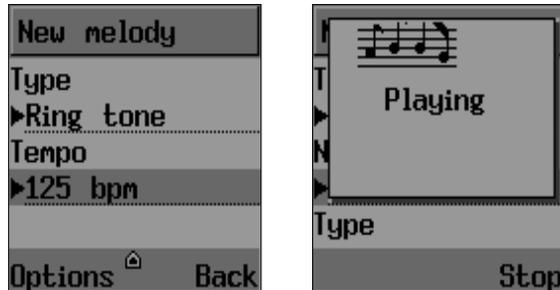
Octave: raises a new note one octave (e.g. D1)

Pitch: raises the note one semitone (e.g. #D)



MyPhone

Compose own tones, cont.



Pause:  inserts a pause of same length as the previous note

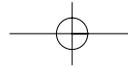
- Press OK to return to edit window
- Select **Tempo** to set the speed
- Select **Style** for playback mode (Optional)
- Use left softkey to listen to the result by selecting Play and subsequently to Save or Cancel the composed tune.
 - *saved tunes will be listed in the composer and added to ring tone or SMS tone library as selected*

56

Simplified composing can be performed by finding pre-composed melodies, e.g. on the Internet. These are most often described as a sequence of key presses to be entered. Note that digits in brackets () indicates a long key press.

Practice the following example and see what you get.

```
1 8 # 1 # 1 8 # 4 9 9 9 # 1 # * 7 8 8 * * 6
8 # 5 9 # 4 9 9 # * 1 8 # 7 8 * * 6 8 # 5 9
# 4 9 9 # * 1 8 # 7 8 * * 6 8 # 7 9 5 9 9 #
1 8 8 # 1 # 1 8 # 4 9 9 9 # 1 # * 7 8 8 * *
6 8 # 5 9 # 4 9 9 # * 1 8 # 7 8 * * 6 8 # 5
```



MyPhone

Set greeting



9 # 4 9 9 # * 1 8 # 7 8 * * 6 8 # 7 9 5 9 9
 # 1 8 # 1 8 8 # 2 9 9 9 # 1 8 8 # * 7 * * 6
 # 5 # 4 # 4 8 # 5 9 # 6 8 # 5 9 9 #

Set **Tempo** to 94

Up to five tunes (255 notes each) can be stored in the memory, as ring tones or SMS alerts. A pop-up box will alert you if the library is full

Melody list

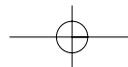
The melody list contains EMS melodies you can attach to messages.

Visual settings. Your phone has a backlit LCD display with full graphic capability. You can setup greeting, wallpaper and screensaver. To alter default screen settings:

- step to **Display**. Press OK. Scroll to access the following options:

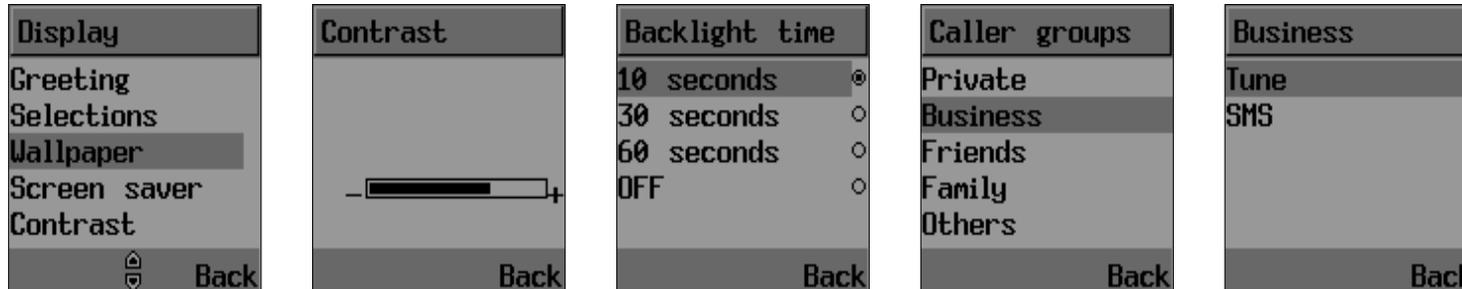
Greeting. Enter to write a greeting of your own

Selections. To choose between Greeting, Animation or None



MyPhone

Set wallpaper, backlight, caller groups



Wallpaper

Enable
Picture. To choose motive for wallpaper

Contrast. To adjust the display contrast

Backlight time. To adjust how long the backlight stays on (Off - 60 sec.)

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

Enter the menu. Scroll ▼ to **Caller groups**. Press OK. Select a group from the five default options: Private, Business, Friends, Family or Others. Select:

Tune - to personalize ring tones for the group.

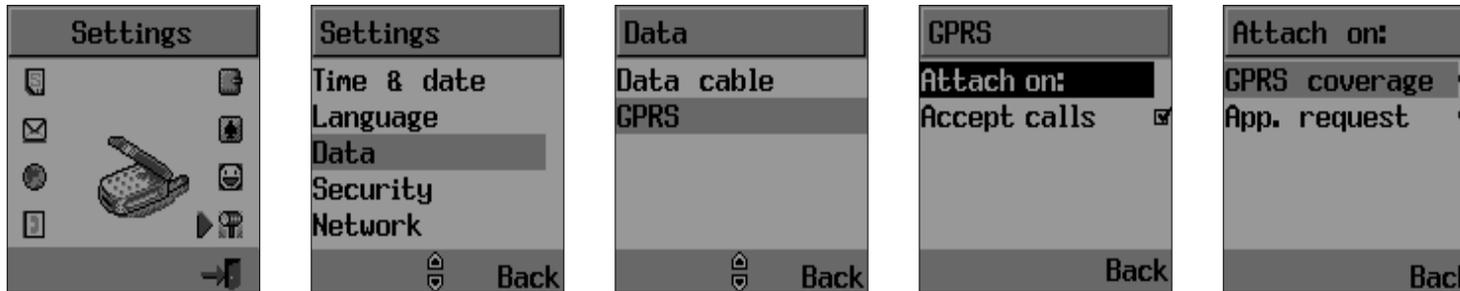
SMS - to personalize SMS alert signal for the group.

Rename - to alter the group name

LED light . Tick to enable LED service indicator.

Settings

Set data



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

Step to the Settings menu. Press OK and choose from the following options:

(For **Time & Date** and **Language** menus, see p. 8 for details)

Data. Set up parameters for data transmission from your laptop or PC

Data cable
Bit rate

Reset

GPRS

Attach on:

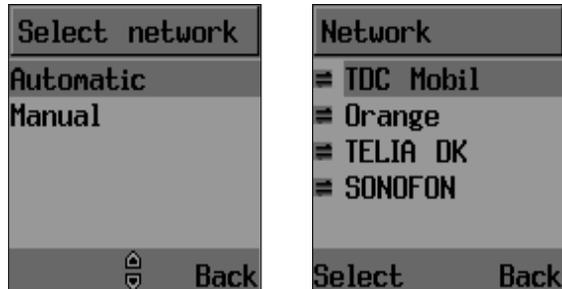
- GPRS coverage. The phone will connect via GPRS when network is within reach
- App. request. The phone will connect to network only when requested (e.g.: when you send an SMS, WAP the Mobile Internet and transfer Data).

Accept calls

Regular calls will be carried through during GPRS sessions.

Settings

Set network



Select network

Automatic
Manual

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. To add a new network, start by selecting an empty network

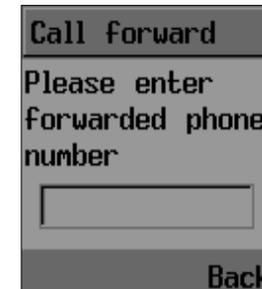
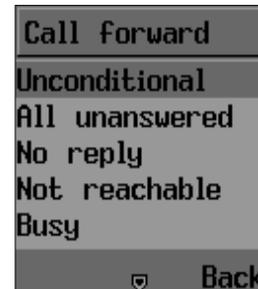
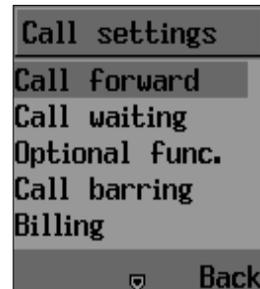
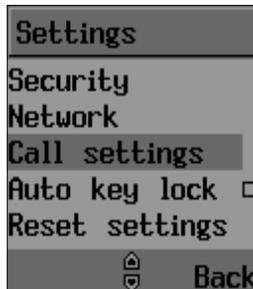
60

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.

Common calling options are described on p. 11. However, our phone also offers more advanced calling features, accessible from the Call settings menu:

Settings

Set call forward, call waiting



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 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

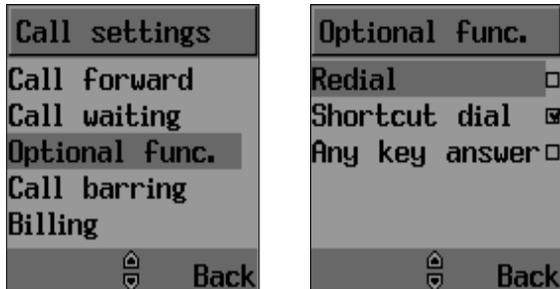
A specific number can be allocated for each option, and you can activate, view or cancel the present status. Follow the on-screen instructions.

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

Settings

Multi-party calls, optional functions



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. See Conference call on p. 20 for details.

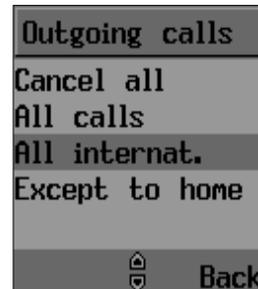
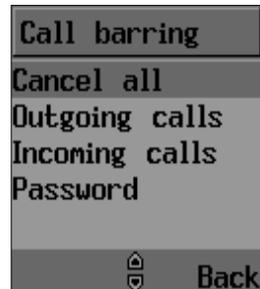
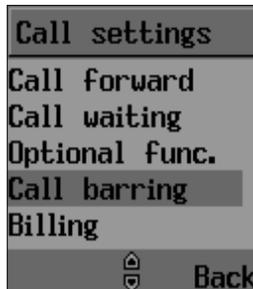
Optional func. This menu contains various settings to facilitate daily use.

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 in full without connection is 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 OK two times in succession.

Settings

Shortcut dial, any-key-answer, call barring



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

Any key answer . Set-up your phone to use any key (except) to answer your calls.

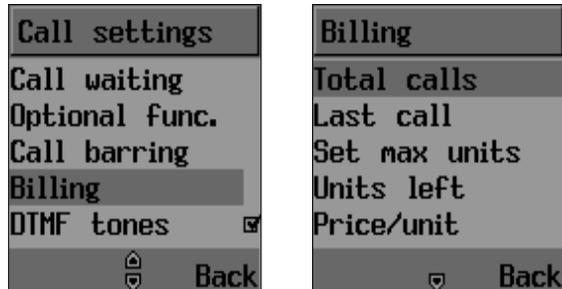
Call barring. You can lock the telephone to reject incoming calls or bar outgoing calls, domestic or international. Call barring is a password protected network service, and details should be

acquired from your network. Your phone support the options:

Cancel all
Outgoing calls
 All calls
 All international
 Except to home
Incoming calls
 All calls
 When abroad
Password

Settings

Billing, reset settings



Billing

You can keep track of your calling expenses by setting up the "Billing" feature. Scroll to Billing. Press OK. 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 setup 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 code - displayed if supported by your network.

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

Activates key lock after 30 sec. of idleness.

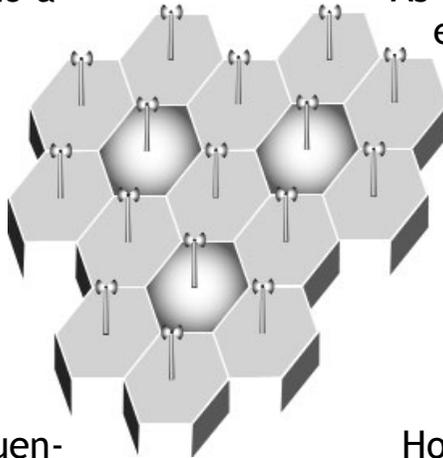
Reset. Return all settings to factory defaults.

Miscellaneous

Cellular phones 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-

Miscellaneous

Abbreviations and acronyms

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.

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.

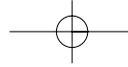
What is digital? Early cellular phones relied on analogue systems. Analogue radio systems transmit the voice signal in its original form, whereas digital technology transforms the microphone signal into number sequences (digits)

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



Miscellaneous

Abbreviations and acronyms

address on the Mobile Internet.

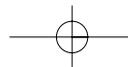
What is GPRS? General Packet Radio System is a service protocol built on GSM technology. GPRS allows several mobile phone users to share the same connection. Charges may thus be based on the amount of transferred data rather than on airtime.

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. 9 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.



Miscellaneous

Abbreviations and acronyms

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.

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 offer-

ing 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 home-pages 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.

Miscellaneous

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.

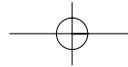
You should never handle your phone with wet hands or expose it to moisture or liquids of any kind. Continuous changes from a cold to a warm environ-

ment 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



Miscellaneous

Cell phone care

your battery should give you a long service life.

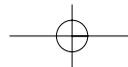
- at the beginning of the battery's life, fully charge and discharge (let it go flat) three times.
- avoid repeated short charging. It is preferable to let the battery go flat and then recharge it completely.
- avoid charging in strong heat or extreme cold. Ambient room temperature is preferable.
- never 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

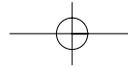
away from jewelry and other metal objects.

- 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. Newer 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.





Miscellaneous

Cell phone care

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 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.

Points 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

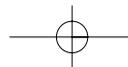
- The battery has its optimum performance in an ambient temperature of + 5 °C to + 50 °C

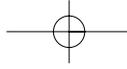
Maintenance hints.

A carrier case will protect your phone and is both convenient and smart.

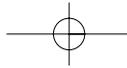
A belt clip makes an excellent “parking space” for your phone, reducing the risk of mislaying it.

Using a headset allows you to keep your phone dry while talking outdoors on a rainy day.





Miscellaneous



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.*

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.*

Miscellaneous

Questions & Answers

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 and follow the instructions on the packet.

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. 76.*

Q: What does dual-band, GSM, CDMA and all the other telecom argot mean?

A: *See "How do cellular phones work" on p. 65.*

Q: Can I use my phone inside a car?

A: *Road safety comes first. Always keep*

Miscellaneous Questions & Answers

*your eyes on the road if you are driving. You can install a "Hands free" set 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. 69.*

Q: Are cellular phones dangerous to my health?

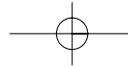
A: *No unambiguous scientific evidence exists at this point of time. We recommend that you keep abreast with the advice given by your domestic health authorities. **See also "Warnings" (Cover).***

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: 65 x 37 x 22 mm
Weight: 59 g
Display: Dual

Performance

GSM: 900/1800/EGSM
GPRS: Class 8
Standby: up to 200 hrs.
Talk time: up to 3.5 hrs.
Charging time: 2 hrs. average
Radiation (SAR): 0.927 (EU)

Communication features

Long SMS (459 latin chr.)
EMS (sound & picture attachment)
Call wait & call hold
Conference call (up to 5 participants)
Call forwarding & call barring
Billing (AoC)
WAP
E-mail client (Optional)

Personalizing features

Greeting
Wallpaper
40 polyphonic ring tones
Melody composer
7 renameable profiles
5 renameable caller groups

Organizing features

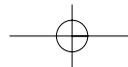
Calendar
Tasks list
Calculator
PC-synchronization (Optional)

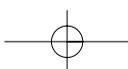
Games

3 games

Accessories

Contact local retailer

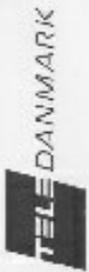




Miscellaneous Certificate of compliance (EU)



DANAK
Danmarks Tekniske Institut



Certificate No: UPRC020001-01.02

CERTIFICATE OF COMPLIANCE
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 Modified Study Id.no. 01889

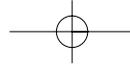
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Certificate holder	Maxim Cellular Systems Denmark A/S Nøls Jernvej 8 9220 Ålborg Ø Denmark
Equipment category	Mobile and Mobile Station (MSM) TICS (500)
Manufacturer and type designation	Maxim Cellular Systems Denmark A/S MAX 7920
Manufacturer	Maxim Cellular Systems Denmark A/S Nøls Jernvej 8 9220 Ålborg Ø Denmark
Technical data Accessories	A list of the documentation forming the basis for the examination is given at annex no. 1.
Statement of compliance	The examination of the documentation gives presumption of compliance for the purpose stated above, when it is the protection requirements given in Directive 1999/5/EC concerning Article 3.1.12. SA(1) for class 1, (b) for EMF and Article 3 clause 2 of efficient use of the radio spectrum.
Validity of Certificate	This certificate has only cover for essential equipment specified in Annex IV, Article 3, clause 2 of Directive 1999/5/EC, concerning approval of an radio equipment
Remarks	This certificate is not valid if used in conjunction with the other technical documents.
Certificate issue Date	18.07.2002

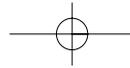
Signature: *Lars Ekelund*
 JAC-Officer

For more information please visit our website at www.danak.dk or call us on 0600-00000

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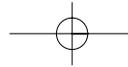
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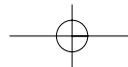
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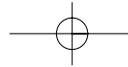
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