

SIEMENS

Siemens Mobile Phones A/S
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SIEMENS



S42

User Guide

S42

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- Outgoing calls
- Answered calls
- Missed calls
- Phone books
- Status
- Calculator
- Dictaphone
- Calendar
- IrDA
- WAP browser
- Messages



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- Line lock

Complete survey of keypad functions and display symbols on pp. 74-77

Siemens service

Abu Dhabi Siemens Service Center 02713500
Australia Siemens 1800622414
Austria Siemens 0517075004
Bangladesh Siemens 017527447
Belgium Siemens 078152221
Brunei incomm 02151
Bulgaria Omnitel 02739488
China Siemens 02150318149
Croatia Siemens 016105381
Czech Rep. Siemens 0233032727
Denmark Siemens 35258600
Dubai Siemens Service Center 04699720
Egypt Siemens 23313129
Finland Siemens 092294370
France Siemens 0156384200
Germany Siemens 01805333226
Greece Siemens 016864389
Hong Kong Siemens 22583636
Hungary Siemens 0614712444
Iceland Smith & Norland 5113000
India Siemens 116923988
(ISDN) 116925589
Indonesia Dian Graha Elektr. 0214615081
Ireland Siemens 1850777277
Italy Siemens 0269893691
Jordan F.A. Kettaneh 079559663
Kuwait NGEECO 4818749
Latvia Siemens 7501114

Lebanon F.A. Kettaneh 01443043
Lithuania Siemens 822391555
Luxembourg Siemens 43843399
Malaysia Siemens 037514974
Morocco SETEL S.A. 2352409
Mauritius Ireland Blyth 2116213
Netherlands Siemens 0703333100
Norway Siemens 22633314
Oman Siemens Service Center 791012
Pakistan Siemens 0215673565
Philippines Siemens 28149888
Poland Siemens 0800220990
Portugal Siemens 014178393
Russia Siemens 80957371801
Saudi Arabia Siemens 026655058
Singapore Siemens 8454818
Slovak Rep. Siemens 0759682266
Slovenia Siemens 0611746336
South Africa Siemens 0800114050
Spain Siemens 902115061
Sweden Siemens 087509911
Switzerland Siemens 012120090
Taiwan Siemens 0225186504
Thailand Siemens 26791777
Turkey SIMKO 02122528835
United Kingd. Siemens 0990334411
Vietnam Opticom 090456789

Internet:

<http://www.siemens.com/cd.service>

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Facts & Tips

- Your new GSM mobile telephone is designed for use in GSM 900, GSM 1800 and GSM 1900 networks.
- The telephone will automatically connect to the available network type. Furthermore, handover between GSM 900 and 1800 takes place automatically and seamlessly during conversation.

Precautions

Please observe the following guidelines. Breaking these rules may be dangerous or illegal:



Mobile phones must be switched off at all times on board an aircraft.



Do not activate near gas stations, fuel depots, chemical plants or blasting operations.



Avoid use in hospitals; medical electronics, e.g. pacemakers and hearing aids, can be affected.



Minor interference may affect TVs, radios, PCs, etc.



Avoid pointing active infrared port at eyes.



Do not hold the phone in your hand while driving.



Do not dismantle phone or battery.



Use only specified batteries and chargers, as using third-party products can damage the phone or invalidate type approvals.



Unusable batteries should be disposed of in accordance with relevant legislation.



Do not use phone in high humidity environments, and do not use alcohol or other fluids to clean the phone.



Keep the phone in a safe place out of children's reach.



Use only ORIGINAL Siemens accessories to avoid damage to your phone.

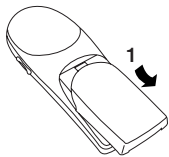
Getting started

Learn how to get your phone ready for action, and how to make and receive calls.

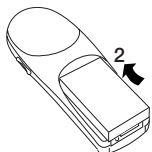
Battery and charging

Insert battery

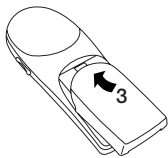
- 1 Remove the battery lid by pressing and sliding it towards yourself.



- 2 Insert the battery. Please make sure that the contact pins are facing against each other.



- 3 Slide the battery lid back into position.

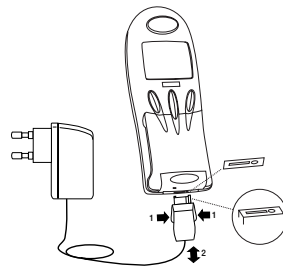


Facts & Tips

- When removing the battery your phone should always be switched off.
- The on/off key is the left-hand function key on your phone.

Charge battery




- 1 Insert the charger plug at the bottom of the telephone, and it will start charging immediately.
- 2 Fully charging the battery takes up to 120 minutes, depending on the type of charger used.



Remove charger

Press 1 and pull out the charger plug.

Facts & Tips

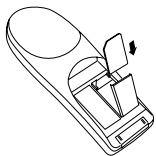
- When your battery needs recharging, the phone will emit a short warning tone and inform you in the display that the battery needs charging, and the LED on top of the telephone will emit a fast red flash.
- If you don't connect the charger within a short while, the telephone will switch off automatically.
- If the battery is completely discharged, it may take up to 15 minutes before any information is shown in the display.
- The phone will inform you when the charger has been connected correctly.
- During charging the top icon of the battery indicator will animate a charging sequence changing from  to . When the battery is fully charged, the top icon will turn permanently into  and the indicators beneath it will be filled.
- In the Setup menu under Graphics you can choose other kinds of battery indicator symbols.
- To maintain an accurate battery capacity indication, it is recommended to let the battery discharge completely from time to time.
- It is possible to use your phone during charging.

SIM card

Insert SIM card

Before you can make a call with your mobile phone, you need to insert the SIM card.

- 1 Switch off your phone. Remove the battery lid and the battery.
- 2 Open the SIM card holder by sliding the catch towards yourself and lifting the holder.
- 3 Insert the SIM card in the holder with its cut-off corner pointing up and left.



- 4 Close the holder and slide the catch back into place.
- 5 Insert the battery, attach the battery lid to the phone and switch the phone on.
- 6 Enter PUK or PIN code, if requested, and confirm by pressing («OK»).

The phone will display a welcome greeting.

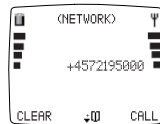
Facts & Tips

- Please remember that your SIM card must support 3V technology to work with this phone.
- The SIM card is your link to the network operator. The SIM card carries your phone number, your phone books and a lot of other information that will follow your SIM card if you put it in another phone.
- In this user guide you can see the full capability of your phone, but the availability of some of the features depends on your network operator and/or your SIM card. These features are marked with this symbol in the user guide.
- Most networks allow you to make emergency calls both with and without a SIM card inserted.

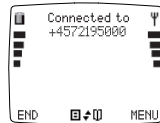
Calling

Making a call

- 1 Enter the phone number and press («CALL»).

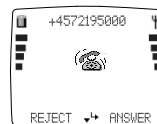


- 2 Press («END») to end the call.

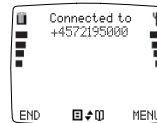


Answering a call

- 1 Press («ANSWER»), when the phone rings.




- 2 Press («END») to end the call.



Facts & Tips


- If you start the phone number with a "+" (hold down for one second) followed by the national country code, you can use your phone abroad without worrying about International codes.
- An incoming call is indicated by a ringing tone if enabled, a ringing symbol in the display, and a fast green flash in the LED.
- Use the side key on the right-hand of your telephone to increase and decrease the speaker volume.
- Your phone is equipped with an internal antenna which is placed in the upper back part of the phone. To achieve optimum speech quality and maximum talk time, always hold your phone by its lower part during a call. If you carry the phone in a pocket, the back of the phone should always face away from your body.

Redialling a number

- 1 Press  for one second, and the latest dialled number will be redialled automatically.

Silent mode

You can disable all selected tones:



- 1 Press  (»MENU«)
- 2 Press 

The symbol  will be seen in the display.

Just press these two keys again in the same order to revert to your original settings.

Keypad lock

To avoid making calls accidentally while carrying your phone, you can lock the keypad:

- 1 Press  (»MENU«)
- 2 Press 

The keypad lock is, however, automatically disabled:

- during an incoming call until you have finished the conversation
- if the telephone is connected to a handsfree device



Just press these two keys again in the same order to unlock the keypad.

Set clock

In order to activate the clock you must set the time and date. See p. 65 for more information.

Pressing the left-hand function key briefly in stand-by position will display the time, date and week number.

Facts & Tips

• *Take notice of the display texts. The display text right above the function keys  and  will inform you of the current function of the key at any time.*

• *Please note that the menus are dynamic. This means that your phone does not always give you all the options listed in this user guide. This is because your phone shows an option only if it is available. For instance you cannot choose to see the list of missed calls if you have not missed any calls.*

• *All tones can also be disabled in the Setup menu under Tones setup.*

• *In the Setup menu under Security you can set the keypad to lock automatically.*

• *Emergency calls cannot be made if the keypad lock is activated.*

Address and phone books

Learn how to store and find entries in your address and phone books.

Text input

Using the keypad

Each key on your phone's keypad contains a number of characters.

The keypad can be operated in 4 ways: Alphanumeric grid and wheel mode, T9 mode, which is very useful in connection with SMS messages, plus digit-only mode.


Switching between the different modes is done by pressing the side key on the right-hand of the phone.



Press »CLEAR« briefly to delete one character.




Press »CLEAR« for one second to delete the entire text.


ABC grid mode

Press the relevant key for the intended letter, e.g. B. Now a table is shown in the display. Press the key corresponding to the intended letter (B = 2).


Which characters available on each key will depend on the keypad language you have selected for your phone (see p. 64). Additional language specific characters are accessed by pressing .

The first letter will always be capitalized, which is indicated by the  symbol in the upper right-hand corner of the display. The second letter will automatically be lower-case. Press  if you want to enter a capital letter again.

The caps lock function is enabled by pressing  twice. As long as the caps lock is active, the symbol  will be seen in the upper right-hand corner of the display. Press  again to disable the caps lock function.













Press  if you want to enter

digits. Press the relevant key to enter the intended digit.



To get punctuation and symbols press . You now have access to five different pages, each containing up to 9 symbols. You can scroll through the pages using the arrow keys. Press the relevant key to enter the intended symbol, e.g. on page one, 7 corresponds to "@"

ABC wheel mode

The characters available on each key can be seen in the table below.

| | | |
|---|--|---|
|  1 αο 1.,,:;"'!;? ; & % £ \$ € @ \$ σ |  2 ABC ABC2 Æ Å Ä Ç abc2æää |  3 DEF DEF3ÉΔ def3éè |
|  4 GHI GHI4Γ ghi4i |  5 JKL JKL5Λ jkl5 |  6 MNO MNO6 Ø Ñ Ò Ω mno6øñò |
|  7 PQRS PQRS7β Π Φ Ψ ζ pqrs7β |  8 TUV TUV8Ü() tuv8üü |  9 WXYZ WXYZ9Ξ wxyz9 |
|  * + * + |  0 ->> 0~~/\ (){} { } = < > ^ _ |  # P Space # |

Press once to enter the first character, twice to enter the second character, etc.

Press  3 times if you want to enter a capital letter. To activate the caps lock function, press .

4 times. Press it once again to deactivate the function.

mode

T9[®] Text Input is a feature enabling you to more easily use SMS messaging. The T9 feature allows you to compose text messages with only one keypress per letter. See p. 40.

123 mode

In this mode you can enter only digits.

Address book

Your telephone contains a complete address book similar to the address book on a PC.

Just follow the instructions below to store an entry. See on p. 12 how to use the keypad on your phone.

Storing information in your address book

- 1 Enter the phone number and press ▼.
- 2 Select »Address book« by pressing »SELECT«.
- 3 Press ▼ to select whether you want to store the number as a
 - Home number
 - Office number
 - Mobile number
 - Fax number
 - Data number
 and confirm by pressing »OK«.

- 4 Press »SELECT« to access the name box.
 - 5 Enter the name and press »OK«.
 - 6 Press ▼ to move to the next box.
- You can enter information about
- Other phone numbers than the one entered
 - Address
 - Birthday
 - Notes
 - Group (see p. 26)
- 7 Press »SELECT« to access the box where you want to enter information.
 - 8 Enter the information and press »OK«.
 - 9 When you have entered all the information you want, press »SAVE«.

The telephone will now ask you whether you want to store the new entry.

If you press »YES«, the phone will store the new entry.

If you press »NO«, the phone will ask you whether you want to go back to the entry.

- If you press »NO« at this stage, all new data will be discarded and deleted.
- If you press »YES«, the phone will revert to 5 for possible changes.

Phone books

Your telephone contains a number of phone books, which are stored on your SIM card. The plain numbers phone book is always available, whereas your SIM card determines the availability of the other phone books.

Storing an entry

- 1 Enter the phone number and press ▼.
- 2 Press ▼ again to select the phone book in which you want to store the number
 - Plain numbers
 - Fixed numbers ^(*) ↓
 - Own numbers ^(*) ↓
 - Barred numbers ^(*) ↓
 and confirm by pressing »OK«.
- 3 Enter the name and press »OK«.

Plain numbers

This is an easy-to-use phone book where you just store names and telephone numbers. If you store the names and numbers from your address book in the plain numbers phone book, you will be able to dial these numbers if you use your SIM card in another phone.

Fixed numbers ^(*) ↓

With the help of this extra phone book you can restrict the use of your phone to only numbers stored in this special phone book.

To activate/deactivate fixed dialling, see under Security in the setup menu on p. 67.

Own numbers ^(*) ↓

This is simply an extra phone book where you can store your own telephone number(s).

How many numbers you can store depends on your SIM card. Normally, you will have the same

options as in your other phone books, but your network operator may have imposed some restrictions.

Service numbers ^(*) ↓

This service number phone book typically contains customer care, hotline service numbers, etc. The contents are defined by your network operator and cannot be changed by you.

Your network operator may have given this phone book another name.

Information numbers ^(*) ↓

Numbers stored in this phone book are typically numbers for taxis, airports, hotels, weather forecasts, news, etc. The contents are defined by your network operator and cannot be changed by you.

Phone books


Barred numbers ⁽⁶⁻⁹⁾

In this phone book you can store numbers that it should not be possible to call from the phone.

To activate/deactivate barred dialling, see under Security in the setup menu on p. 67.

Prefix phone numbers

In prefix numbers the first digits in the number are the prefix (the same for e.g. the whole company), and the last digits are related to a specific person or office.

If you want to store the prefix part of such a phone number in your phone book, this is done in exactly the same way as when you store a normal phone number in your phone book. Only, instead of each of the additional digits that vary from time to time, you enter »?«. This is done by holding down the  key for approx. 2 seconds.

Finding an entry in your address and phone books

- 1 Go to the address and phone book entry list: ▼.
- 2 Scroll through entries: ▼ and ▲.
- 3 Press »SELECT« to access a group.
- 4 Having found the desired name: Press »DETAIL« to see the numbers stored.
- 5 Calling a number: Select »OPTION«, »Call« and press »OK«
or
Just press the relevant speed dial number (1=Home, 2=Office, etc).


If you want to call a prefix number you must enter the digits to replace the " ? " after having pressed »OK«.

Facts & Tips



Both address and phone books

- *Calling Line Identification (CLI) is a network feature which displays the caller's phone number in your phone's display. If the caller is one of the entries stored in your phone book, his/her name will appear in your display.*
- *In the Call setup menu you can activate the speed dial function enabling you to call a number by pressing only one key.*
- *Use the side key for quick scrolling through your address and phone book entries. Each keypress brings you to the next entry beginning with the next letter in the alphabet. Of course, you can also use the arrow keys to scroll from one entry to the next.*

Address book only

- *Entries stored in the address book are marked by .*
- *The number of entries that can be stored in your address book depends on the length of the entries.*
- *The address book is located in the internal memory of the phone and consequently you will not have access to it if you use your SIM card in another telephone.*
- *You can also synchronize your address book with the address book in Microsoft Outlook on a PC by means of the enclosed CD-ROM. To do this, install the synchronization programme on your computer.*

Phone books only

- *Remember that ⁽⁶⁻⁹⁾  indicates that the option depends on your SIM card and therefore may not be available.*
- *Entries stored in the phone books on your SIM card are marked by a  in front of them.*
- *Phone book entries contain only a name and a phone number.*
- *The maximum number of entries and the length of phone book entries will depend on the capacity of the SIM card.*
- *When there is no more memory capacity left in either of the phone books, the option »Add entry« will disappear from the display.*
- *In order to access fixed and barred numbers you need to have a PUK 2 code from your network operator and to use a PIN 2 code of your own choice.*

List menu

See how to get information about your calls and messages and how to edit your address and phone books.

List menu



General

Enter the List menu: ▲
Scroll through the options:
▼ and ▲

Select an option:
Press »SELECT« or »OK«

Go back one level:
Press »EXIT«

Go back to standby:
Hold down »EXIT«

Here is a brief overview of the options that you may see when you enter the List menu. Please remember that the menus are dynamic.

The options are described in detail on the following pages.

Applications (SAT) ^(*) ⓘ

- The availability, name and functions of this menu depend completely on your network operator and/or your SIM card. If this menu item is available on your SIM card, you will always see it as the first menu in the List menu. The menu is typically used for providing information like news, weather forecasts, lottery or banking services.

Outgoing calls

- View names/phone numbers of your latest outgoing calls

Answered calls ^(*) ⓘ

- View names/phone numbers of your latest answered calls

Missed calls ^(*) ⓘ

- View names/phone numbers of you latest calls received but not answered

Phone books

- Access to different options with your address and phone books

Status

- View the status of your SIM card, address and phone books, voice memos, and messages

Calculator

- Use your phone as a standard calculator

Dictaphone

- Find, add or delete voice memos

Calendar

- View your events
- New event
- View week planner
- Go to other date
- Delete events automatically

IrDA

- Receiving
- Synchronization and data
- Send business card

WAP browser ^(*) ⓘ

- Access to the Internet

Messages ^(*) ⓘ

- Inbox for received SMS messages, business cards, and calendar appointments
- Outbox for SMS messages ready to be sent
- Sent messages
- Drafts for unspecified messages ready to be sent
- Favourite messages
- Send new messages
- Read broadcast messages
- Check your voice mail

Facts & Tips

- Remember that ^(*) ⓘ indicates that the option depends on your SIM card and therefore may not be available.

Call lists



First

Enter the List menu by pressing ▲

Select one of the following options

Outgoing calls

See a list of your last dialled telephone numbers. The number of phone numbers shown depends on your SIM card.


Answered calls ⁽⁹⁾

See a list of the last 10 calls you have received and answered.

Missed calls ⁽⁹⁾

See a list of the last 20 calls that you received, but did not answer.

Direct access to the list of missed calls

When you have missed one or more calls, the symbol  is shown in your standby display together with the number of missed calls. You get direct access to the list of missed calls simply by pressing ▲.

Options in call lists

Having selected a number from one of the call lists you can press »OPTION« and

- **Call** the number.
- **Delete** the number.
- **Save** the number in your address book or in one of the phone books.

Facts & Tips

- *As the telephone registers only identified calls in the list, the number of missed calls shown on the standby display and the number of phone numbers actually listed may differ.*
- *If you call a number from the list of missed calls, that number will be removed from the list, but you can retrieve it from the list of outgoing calls.*
- *The detailed view of a missed call will contain the name and/or phone number, the date and time of the call, as well as the number of times the caller has called.*

Phone book editing



First

Enter the List menu by pressing ▲

Select »Phone books«

Select »Address book« or one of the phone books

Add entry

Select »Add entry« if you want to add a new entry (See pp. 14-15).

View entries

This provides a variety of options, such as calling, editing or moving the entries. These options are described in greater detail in the following.

- 1 Having selected »View entries« you must place the cursor on the entry you want to view.
- 2 Press »DETAIL« to see the contents of the entry.

3 Press »OPTION«

4 Select one of the following options.

• **Call:** If the entry is stored in your address book and contains more than one number, you will have to specify whether you want to call the home, the office or the mobile phone number.

• **Edit:** You can edit the contents of the entry, e.g. change the office phone number. Use the arrow keys to move from one edit box of the entry to another.

Select the edit box you want to edit, make your corrections and press »OK«. Use »CLEAR« to delete faulty characters and enter the correct ones via the keypad. Press »SAVE« when you have finished your corrections.

The telephone will ask you to confirm the changes. If you press »YES« the changes are stored automatically.

If you press »NO«, the phone will ask you whether you want to go back to the entry.

If you press »NO« at this stage, all new data will be discarded and deleted.

If you press »YES«, the phone will revert to ⁴

Facts & Tips

- *You can also add entries simply by pressing ▼ after entering a phone number in standby mode.*
- *You can also view entries in your address and phone books simply by pressing ▼ in standby mode.*
- *Service and info number phone books cannot be edited.*

Phone book editing



First

Enter the List menu by pressing ▲

Select »Phone books«

Select »Address book« or one of the phone books

View entries *(continued)*

- **Move:** Entries can be moved from your address book to one of your phone books. Only the name and the relevant phone number will be moved. You have to specify which phone number (home, office, mobile) you want to move and to which phone book you want to move it.

Entries can also be moved from one of your phone books to your address book or to another phone book. When moving an entry, you will always be able to edit the name.

- **Copy:** Just as you can move entries, you can copy your address book entries to one of your phone books, and from one of your phone

books to the address book or to another phone book. When copying an entry you will always be able to edit the name.

- **Delete:** If you want to delete an entry stored both in your address book and in one of your phone books, you will have to delete it in both books. If you delete only the address book entry, it will still remain in the phone book.

- **Change group/Add to group:** These options are available only if there is at least one group.

If the entry is already in a group, »Change group« will be displayed. Select the group to which you want to move the entry. Press »SELECT«, and the phone will confirm that the entry has been moved to another group.

If the entry is not already in a group, »Add to group« will be displayed. Specify the group to which you want the entry to be assigned and press »SELECT«. The phone

will confirm that the entry has been added to the specified group.

- **Remove from group:** If you do not want the entry to be assigned to a group any longer, press »SELECT«, and the phone will inform you that the entry has been removed from the group.

- **Send:** You can send the contents of an address book or phone book entry to another mobile telephone either as an SMS message, via IrDA or via DTMF.

- **Print:** It is possible to print out an address or phone book entry via IrDA (Infrared interface).

Facts & tips

- *When communicating via IrDA, the distance between your mobile phone and the receiving unit should not exceed 40 centimetres.*

- *The options »Change group/Add to group« and »Remove from group« are relevant only in connection with address book entries.*

Phone book editing



First

Enter the List menu by pressing ▲
Select »Phone books« and then »Groups«

Groups

You can organise the entries in your address book in groups, such as family, business, etc. This makes searching easier.

Create new group

- 1 Select »Create new group« and confirm by pressing »OK«.
- 2 Give the group a name and confirm by pressing »OK«.

You can now add entries to the group and select a ringing tone for the group, enabling you to hear from which group the call comes.

A list showing all your entries in your address book and a list of available ringing tones are presented.

Options in groups

Having selected a group you can press »OPTION« and:

- **View contents:** All entries in the group will be listed. Pressing »OPTION« again will give you access to further options (pp. 23-24).
- **Add entry:** Once you have selected this option, all entries stored in your address book will be listed. Select the entry you want to add to the group.
- **Delete group:** If you want to delete a group, you will be asked whether you want to delete both the group and its entries, or just the group. If you want to delete just the group, its entries will remain in your address book, but will no longer be assigned to a group any longer.


- **Rename group:** Edit the name via the keypad and confirm the new name by pressing »OK«. The contents of the group will not be affected by the renaming process.

- **Sound:** You can change the ringing tone used for the group.

- **Move:** Move the entry to another group or out of the group. Select the entries you want to move and press »EXIT«.

Select »Other group« if you want the entries to be assigned to a group. Otherwise, select »No group«.

Facts & Tips

- Choose a group name which is short and unambiguous as like *Business, Family or Friends*.
- Groups are marked by a  in front of them.
- When calling a number or receiving a call from a number which is assigned to a group, both the names of the caller and the group will be shown in the display.

Status



First

Enter the List menu by pressing ▲
Select »Status«

Status

In this menu you can see the status of your SIM card, address and phone books, voice memos, and messages.

SIM card

This submenu shows you the status of your phone books, SMS messages and your voice mails. See how many entries you have stored and how many storage locations are free.

Phone

This submenu shows you the status of your address book, your messages, and your calendar. See how many entries, messages, and events you have stored, and how many groups you have created. The free capacity will be shown as a percentage.

Dictaphone

This submenu shows you the status of your voice memos. See how many voice memos you have stored and the total time consumption. The free capacity will be shown as a percentage.

Calculator



First

Enter the List menu by pressing ▲
Select »Calculator«

In this mode, your telephone acts as a normal calculator. The equals sign (=) is found on the right-hand function key.

Enter the first number you want to use in your calculation and hold down the relevant key for one second to access the desired arithmetic operation.

Key Operation

- 1 Addition (+)
- 2 Multiplication (*)
- 3 Square function (x^2)
- 4 Subtraction (-)
- 5 Division (/)
- 6 Square root ($\sqrt{\quad}$)
- 7 Percentage (%)
- 8 Fractions (1/x)
- 9 Exponent (E)

- * M+ or decimal point (press briefly)
- 0 MC
- # MR or +/- (neg./pos.) (press briefly)

If you store a number in the memory, this is indicated in the display by an M. You can access the memory by pressing ▼ or the # key (MR).

The number will remain in the memory after you switch off your phone.

Facts & Tips

- By pressing ▲ you can open a list showing which arithmetic operator is placed on which key. An arithmetic operation can then be selected directly from the list by briefly pressing the assigned key.
- Press ▼ in the list to see the special functions of the * and # keys when pressed briefly.
- The calculator will remain active in the display for 3 minutes. If you want to get back to standby mode, press »CLEAR« and hold down »EXIT« for one second.

Dictaphone



First

Enter the List menu by pressing ▲

Select »Dictaphone«

Dictaphone

Your phone contains a dictaphone with an effective capacity to record 5 minutes of speech. The number of voice memos that can be stored depends on the length of the memos. Voice memos can be recorded and played back whether or not you are in the middle of a conversation.

Check memos Enter this submenu if you want to check or edit your voice memos. Pressing »OPTION« gives you the following possibilities:

- **Play** back the voice memo.
- **Extend** the voice memo. If there is more memory left, you can add speech to an existing memo. The new speech will automatically be

added at the end of the existing voice memo.

- **Edit** the title of the voice memo.
- **Delete** the voice memo.

Record new memo Enter this submenu to record a new voice memo.

- 1 Press »OK«, and the recording starts automatically.

To make a pause, press ▼
To continue recording, press ▼ again.

- 2 Press »STOP« to end the recording.

The phone now suggests a title for your voice memo. You can accept the suggested title by pressing »OK« or you can overwrite it and enter a new title of your own choice. Press »OK« when you have entered your own title.

To cancel a recording, after you have started it, press »CANCEL«.

Delete all memos Enter this submenu to delete all your voice memos.

Facts & Tips

- *In the upper right-hand corner of the display you can see the recording time in minutes and seconds.*
- *The memory status bar just above the function key text lines indicates how much memory you have left.*
- *An incoming call will interrupt recording and play back of a voice memo.*
- *In the List menu under »Status« you can see how many voice memos you have stored and the total time consumed.*
- *In the description of the Conversation menu on p. 71, you can see how to record an ongoing conversation.*

Calendar



First

Enter the List menu by pressing ▲

Select »Calendar«

Calendar

Use your phone to remind you of different events such as meetings, phone calls to be made, birthdays, etc. The calendar is active even when the telephone is switched off.

View events Each date under which one or more events are stored will be listed, shown with the name of the day of the week and the date. Use the arrow keys to scroll through the dates. If a date is highlighted for more than 2 seconds, the times of the first events on that date will be displayed.

Press »SELECT« to read the event details.

In addition to reading the event details, you can press »OPTION« and :

- **Delete** the event.
- **Edit** the event.
- **Send** the event to another mobile phone as an SMS message or to another mobile phone or a PC via IrDA.

New event When adding a new event, you can choose among the following event types:

- »Custom setup«
- »Standard alarm«
- »1 hour notice«
- »Wake up alarm«
- »Birthday«

In the custom setup you can define any setting to suit your requirements. The options available are: Set start and end date, set start and end time, enter event text, set recurring frequency, select tone pattern, and define advance notice for the event.

Facts & Tips

- *The View events menu will not be available if there are no events.*
- *When viewing the list of events, you can hold down one of the arrow keys for more than one second, and the cursor jumps 10 dates at a time.*
- *A √ in the top line of the highlighted date indicates that the appointments relate to the current week.*
- *The ☐ symbol in front of the time/date indication shows that an event is occurring on that date.*

Calendar



First

Enter the List menu by pressing ▲
Select »Calendar«

New event (continued)

As a minimum you will have to enter the start date and start time (if you want to change the default settings). The settings of the last 4 event types are predefined by the manufacturer, but you can always change these settings. See in the description of the Setup menu on p. 65 how to change date and time.


You can decide that an event should be recurring. A useful feature if you have a weekly meeting, or if you want to be reminded about e.g. a birthday every year.

Show week View your appointments for a whole week.


Go to date Select a specific date. The events on the specified date will be listed as described under »View events«.

Delete events Select this option to delete all events older than a date specified by you.

Receiving an event

An event will be indicated by  in the display, the phone will emit a ringing tone (if activated - see p. 52) and the LED on the top of the phone will flash green very fast. The first line of the event text will be visible in the display. Use ▼ to see more of the text.


The phone will continue ringing for one minute if you do not acknowledge the event. Press »DELETE/OK« or ▼ to do so.

Press »REMIND« if you do not have the time to read the event text right now. The event will recur after 10 minutes. The phone will repeat this sequence twice and then display . The digit above the symbol indicates the number of missed events. Press ▲ to see the contents.

The  symbol will remain in

the display as long as there are events you have missed.

Facts & Tips

- A recurring event will be marked by  to the left of the starting time. If you want to delete a recurring event, the telephone will ask you for confirmation to delete it.
- The number between the arrow keys at the bottom of the display indicates the week number.
- You can also synchronize your calendar with the calendar in Microsoft Outlook on your PC by means of the enclosed CD-ROM. To do this, install the synchronization programme on your computer.

IrDA



First

Enter the List menu by pressing ▲
Select »IrDA«

IrDA

The built-in IrDA modem allows wireless communication to take place between your phone and computer, provided your computer is equipped with an IrDA interface as well, and provided you have installed the necessary IrDA drivers in advance.

The CD-ROM supplied with the telephone will provide you with the required software and information.

When communicating via IrDA, the distance between your mobile phone and the computer should not exceed 40 centimetres.

You may operate your phone as follows:

Receiving In order to receive messages, etc. via the infrared interface, you have to activate the IrDA port in this submenu.

If a connection is established successfully, the IrDA port will automatically be deactivated 1 minute after the end of the transmission.

If no connection is established within 1 minute, the IrDA port will automatically be deactivated, and you will have to activate it again to be able to receive a message.

Synch and data Select this submenu to activate the synchronization and data capability.

Send business card The information defined by you in your Owner ID in the Setup menu (see p. 57) can be sent as a business card to another device via IrDA.

WAP browser



First

Enter the List menu by pressing ▲
Select »Browser Menu«

Browser Menu

Your phone supports WAP (Wireless Application Protocol) based services. WAP is a technology designed to provide you with wireless access to the Internet.

The contents of the individual services depend on the network service provider, and you must follow the provider's instructions to make use of the services. Typical WAP applications are news, weather forecasts, online banking, flight schedules, etc.

Before you can use the WAP services via the telephone, you must set up the WAP connection settings in the Message setup menu (p. 63). Some of the WAP connection settings may be sent to you from the provider as an OTA message (Over The Air) ready for you to store.

In the following description, a »card« refers to what you see in one screen on the display. You can scroll through different cards by means of the arrow keys. A collection of cards which belong together is referred to as a »deck«.

Activating the WAP browser

The WAP browser will be activated automatically when you have selected »Browser Menu« in the List menu.

The first time you activate the WAP browser, it will take a few seconds before the Home deck is presented to you, as the WAP browser needs to contact the gateway and calculate a security key.

After this first activation the Home deck will be stored in the WAP browser memory cache allowing immediate display without connection to the gateway.

The phone will inform you whether the data transmission between your phone and the gateway is secure (encrypted) or not.

Navigating with the WAP browser

When the connection to the gateway has been established, the Home deck will be shown in the display.

Some of the listed selection cards have a number in front of them. To select a card, scroll through the items by means of the arrow keys and confirm by pressing »SELECT«, or press the corresponding number key.

Go to next card

Press ▼.

Using hyperlinks

Use the arrow keys to scroll through the hyperlinks available. Select the hyperlink you want to use by pressing »GO TO«.

Go to previous card or deck

Press »BACK«.

Go to Home deck

Hold down »BACK«.

Exit the browser

Press »END« when the Home deck is displayed.

Some cards give access to an option menu where you can find more functions. Press »OPTION« to enter the menu.

Using the WAP browser menu

The browser menu is accessed by means of the side key on the right-hand of the telephone. The browser menu includes the following sub-menus:

Reload

Reload one or more cards from the server or from the internal memory of the phone in order to update old cards.

Home

Return to your Home deck.

Bookmarks

A list of often visited cards enabling you to get fast access to these cards as you don't have to enter the full URL address each time you want the card to be displayed.




Available only when you are connected to a Phone.Com. gateway.

Mark site

Mark the current card to add it to the list of bookmarks.

Available only when you are connected to a Phone.Com. gateway.

Facts & Tips

- The Home deck is your WAP service main menu.
- The scroll bar at the right-hand side of the display indicates the amount of text before and after that actually shown in the display.
- The data online indicator  is flashing only during a data call. Under Display symbols on p. 77 you can see other indicators related to the WAP browser.
- The editor modes  and  cannot be used when operating the WAP browser.

WAP browser



First

Enter the List menu by pressing ▲
Select »Browser Menu«

About Phone.Com

See the current UP Browser and RSA version.

Advanced

Here you find the following sub-menus:

Show URL Each deck has a URL address (Uniform resource locator). Select »Show URL« to see the URL address of the selected deck.

Homepage Enter the URL address of your home deck.

Set UP link Select the individual gateway settings if more than one Phone.Com gateway is available.

Offline service Specific downloadable Phone.Com services (e.g. mail or calendar), which can be used when you are offline. If necessary, the services will be updated when you are online again.

Outbox Contains messages from the Offline service ready to be sent.

Restart UP browser Deletes the previously visited cards stored in the cache and will bring you back to your home deck.

Encryption List of actions for verifying and resetting the security key used to encrypt secure connections.

Facts & Tips

- *The cache is a special memory where the cards you have visited during an Internet session are stored. When you return to a previously visited card, the browser will display it from the cache instead of retrieving it again from the server, which results in a much shorter access time.*
- *The WAP browser feature is undergoing continuous development and tests. We therefore reserve the right to make changes and improvements of the descriptions in this user guide without prior notice.*

Messages



First

Enter the List menu by pressing ▲
Select »Messages«


Messages


Your phone can receive and send messages via the network. Messages are stored on your SIM card.

Entering this menu lets you access the following features:

Inbox The messages you receive are automatically stored in the »Inbox«. Select the message and scroll through it by using the arrow keys.

• Direct access to your inbox

When you receive a new message the symbol  appears in the middle of your standby display. You can access your inbox directly simply by pressing ▲.

The unread messages indicator  will be shown in your standby

display while you have one or more unread messages.


• Immediate SMS messages ⁽⁶⁻⁹⁾

Your network might send you some or all your messages as immediate SMS message. An immediate SMS message will immediately appear directly in your display when received, and you can then select »VIEW« to read the entire message or »EXIT« to reject and delete the message. An immediate SMS message will not be automatically stored in your inbox, but if you select »VIEW«, you get the option of saving it by selecting »SAVE«.

Facts & Tips

• *The standby display will display symbols to show if there are voice mails or other messages waiting for you on the network. The digit above the symbol indicates the number of waiting messages.*

• *Different message types in the inbox will be indicated by specific symbols in front of them when they have been read. See under Display symbols on p. 76.*

• *If your message memory is full, you will be asked to delete some messages to free up capacity. Specify whether you want to delete messages in your Inbox, Outbox, Drafts or Sent items. The  symbol will be flashing until you have deleted one or more messages.*

• *Read about message tones in the description of the Tones menu on p. 52.*

Messages



First

Enter the List menu by pressing ▲
Select »Messages«

Outbox If you have entered a message to be sent either as an SMS message or via IrDA, but do not want to send it right away, you can store it in the Outbox.

Sent items The messages you send are automatically stored under »Sent items« from where they can always be retrieved again.

Drafts If you do not want to send your message right away and have not yet decided how to send it, select »Save message«, and your message is automatically stored in »Drafts«.

Options with your messages

In addition to reading your messages, you can select the message, press »OPTION« and:

- **Delete** it
- **Send** a reply (only in inbox)
- **Forward** it to another phone number
- **Edit** it before sending it
- **Extract** a phone number, if any, to call or store in your address or phone books.
- **Call** the sender (only in inbox)
- **Send** it via IrDA

New message To send a message you have to specify certain parameters if these have not already been specified by your network operator. Enter the Message setup menu to set up these parameters once and for all – otherwise you will be asked to specify them each time you wish to send a message.

By default, your phone is set to use the built-in T9® text input feature, but you can also enter your message using the keypad in the

conventional way known from your address and phone books.

- 1 Once you have selected »New Message«, you can start entering your message.
- 2 Press »OK« when you have completed your message.
- 3 Select whether you want to send the message as an SMS message or via IrDA.
- 4 Press »YES« to send the message. Press »NO« to store it in your Outbox.
- 5 Select »Save message« if you want the unspecified message to be stored in »Drafts«.

• Send as SMS

To be able to send SMS messages you have to enter your network operator's telephone number for this special service and to set up different parameters for your messages. Enter the Setup menu to set up these parameters once and for all. See p. 61.

• Send via IrDA

If you select »Send via IrDA«, your phone will automatically activate the IrDA port. If a connection is established successfully, the IrDA port will automatically be deactivated 1 minute after the end of the transmission.

If no connection is established within 1 minute, the IrDA port will automatically be deactivated and you will have to try again.

Facts & Tips

- *If while writing a message you are interrupted by an incoming call, your message will be stored automatically in »Drafts«.*
- *When communicating via IrDA, the distance between your mobile phone and the receiving unit should not exceed 40 centimetres.*

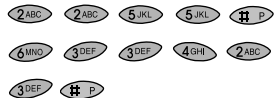
Messages

T9® text input feature

This is a feature enabling you to more easily use SMS messaging. Unlike the conventional way of entering/editing texts where you have to press one key up to several times to enter the desired letter, the T9 feature allows you to compose text messages with only one keypress per letter.

T9 Text Input compares your keypresses to words in its own linguistic database and displays the most commonly used matching word.

Example: Try to type »Call office« by pressing the following keys in order:



As you saw, the displayed word changed as you typed it. Therefore, always type to the end of the word before you start editing.

If the displayed word is the one you intended, just press to insert a space before the next word and continue entering the next word.

If the displayed word is not the one you intended, use the arrow keys and to scroll through alternative word choices. When you see the correct word, press to insert a space before the next word and continue entering the next word.

When you have completed your message, press »ACCEPT«.

The first letter will always be capitalized, which is indicated by the symbol in the upper right-hand corner of the display. The second letter will automatically be lowercase. Press if you want to enter an uppercase letter again.

If you want to activate the caps lock function, press twice.

While the caps lock is active the symbol will be seen in the display. To disable the caps lock function, just press again.

To enter digits into your message, press .

A grid of digits appears and you can press the digit you want to enter.

In T9 mode, periods, hyphens and apostrophes are automatically inserted in the highlighted word by pressing .

Additional punctuation and symbols can also be accessed by pressing . You will now have access to five different pages containing up to 9 symbols each. You can scroll through the pages by using the arrow keys. You select the intended symbol by pressing the relevant key, e.g. on page one 7 corresponds to "@". Just press »EXIT« to return to your text message if you do not want to enter an additional punctuation.

Typing words not found in the T9 linguistic database

- 1 While in T9 mode, press the side key until the or indicator appears in the display.
- 2 Type the word.
- 3 Press the side key until the indicator appears in the display again, and continue using T9 mode.

Adding words to the T9 linguistic database

Follow steps 1 to 2 as described above. When you have completed the word you want to store, press »ACCEPT«, and the word is automatically stored in the database.

Writing compound words

Long, compound words may not be in T9's linguistic database, but often their individual parts are available. Enter the first part of the word, press »ACCEPT« and then enter the second part.

The memory of the database can be filled. When this happens, words which are never or rarely used will be deleted to make room for the words you want to store.

Different T9 languages

The T9 linguistic database is offered in a variety of languages and is independent of the language of your phone. Normally you will probably set your phone to your local language, but from time to time it might be convenient to select other languages.

Selection of the T9 language is explained in the Setup menu under Message setup (p. 64).

Disabling the T9 feature

If your normal local language is not supported by the T9 database, you have to enter your text messages in the conventional way with multiple presses per letter, and if this is the case, it may be convenient to disable the T9 feature.

Messages



First

Enter the List menu by pressing ▲
Select »Messages«

Favourites Instead of entering your own message you can make use of the "Favourites" which are standard messages already stored in your phone. You only need to insert the name, place or time in the empty spaces. The cursor automatically points to the first empty space. Once you have filled this in, you can move the cursor to the next empty space simply by pressing »NEXT«.

Broadcasts ⁽⁶⁹⁾ Broadcasts are general messages which are sent to a group of subscribers, typically containing local weather reports, sports results, etc.

A broadcast message is scrolled twice over the display. If you do not see the message when it is received, you can read it later on by selecting »Broadcasts«.

If you do not store a broadcast message, it will be deleted when you switch off your telephone – even if the message has not been read.

In addition to reading a broadcast, you can select it, press »OPTION« and:

- **delete** it
- **store** it for reading it later on
- **forward** it to another phone number
- **extract** a phone number, if any, to call or store in your address or phone books

If you want to receive broadcast messages, you have to enter the Setup menu (see p. 62) to set up this feature.

List menu

Voice mail ⁽⁶⁹⁾ Some networks offer a voice mail function where you can listen to your voice mails just by selecting the submenu »Voice mail«.

Other networks send you an SMS message when you receive a new voice mail, and you will then have to call your network operator's voice mail number to listen to it.

Facts & Tips

- *If you have selected Roaming, i.e. if you are abroad and connected to a foreign network, you may be able to receive broadcasts from other networks, too.*
- *The phone will show the broadcast ID number, allowing you to identify the kind of message received.*
- *The phone will show on which line your voice mail is located.*

Setup menu

Find out how to set your phone according to your own personal wishes and needs.

Setup menu



General

Enter the Setup menu:
Press »MENU«

Scroll through the options:
▼ and ▲

Select an option:
Press »SELECT« or »OK«

Go back one level:
Press »EXIT«

Go back to standby:
Hold down »EXIT«

Here is a brief overview of the options that may be available when you enter the Setup menu.

The options are described in detail on the following pages.

Network services

- Call divert ^(*) ↓
- Call barring ^(*) ↓
- Call waiting ^(*) ↓
- Call back ^(*) ↓
- Calling name presentation ^(*) ↓
- Call deflection ^(*) ↓
- Closed user group ^(*) ↓

Network selection

- Automatic/manual selection ^(*) ↓
- Preferred list ^(*) ↓
- Country selection ^(*) ↓
- Selection of network type ^(*) ↓

Tones setup

- Ringing tone
- Message tone
- Broadcast tone
- Composer (your own tone)
- Key tone
- Silent mode
- Trembler
- Factory settings

Setup menu

Phone setup

- Language ^(*) ↓
- IrDA
- Backlight
- Handsfree
- Greeting
- Signal diode
- Graphics
- Owner ID

Call setup

- Outgoing call ID
- Speed dial
- Caller access
- Automatic redial
- Any key answer
- Timer & charge ^(*) ↓
- Incoming call setup (fax/data)
- Line selection ^(*) ↓

Setup menu

Message setup

- Send SMS setup
- Broadcast setup
- Sorting of messages
- WAP browser setup
- Text input setup

Calendar setup

- Set time
- Set date
- Display time and date
- Define start of day
- Remove events automatically

Security

- PIN code on/off and change of PIN code
- Change PIN2 code
- SIM lock on/off
- Change network password ^(*) ↓
- Encryption indication on/off ^(*) ↓
- Fixed dialling on/off ^(*) ↓
- Barred dialling on/off ^(*) ↓
- Keypad lock
- Line lock ^(*) ↓

Facts & Tips

- Remember that ^(*) ↓ indicates that the option depends on your SIM card and therefore may not be available.

Network services



First

Enter the Setup menu by pressing »MENU«
Select »Network services«

Call divert ⁽⁹⁾

If you want to divert your incoming calls to another phone number, you have to:

- 1 Select one of the five call divert options.
- 2 Register your call divert.

Different options of call divert

All calls Divert all calls made to your phone.

If unanswered This is an umbrella function that covers the next three options at the same time; i.e. it diverts calls to your phone:

- if your line is busy
- if you do not reply
- if there is no contact to the network

If busy Divert your calls if your phone is busy.

If no reply Divert your calls if you do not reply.

If no contact Divert your calls if there is no contact to the network.

Status Check if your phone is diverted in any of the possible ways.

Cancel all Cancel all your call diverts.

Register your call divert

Having selected one of the five above call divert options, you must select »Register« to register it with the network operator. Your telephone will guide you through the following steps:

Teleservice type

Specify whether you want the call divert to apply to all services, speech, data or fax services.

Divert delay

(only if you have selected to divert »if no reply« or »if unanswered«). Specify the period of time that should elapse before the call is diverted. You can choose »Use default delay« or select a period from 5 to 30 seconds.

Number


Enter the phone number you want to divert to or select a number in your phone book using ▼. ⁽⁹⁾ On some networks you can press ▲, and your calls will be diverted to your voice mail (see p. 42).

Deactivation/activation ⁽⁹⁾

On some networks you have the possibility of activating and deactivating your call divert. This means that when you have registered a call divert, you can select to deactivate it, and then at a later moment activate it again. Your telephone will then remember your last registration and you will not have to select divert delay and phone number again.

You access the activating/deactivating option by selecting the call divert you want to activate/deactivate and then select »Deactivate« or »Activate«.

Facts & Tips

- If you have chosen to have all calls diverted, the call divert indicator  will be shown in the display.
- Your selection of a specific kind of call divert allows you not only to register it. At this level, you also have the possibility of deactivating/activating the call divert, seeing the status for this specific kind of call divert by selecting »Status« and cancelling this specific kind of call divert by selecting »Cancel«.
- If you try to deactivate/activate a call divert and your network does not allow this option, your display will tell you that the service is not available. In that case you must cancel a call diversion by selecting »Cancel«. Next time you want your incoming calls diverted, select »Register«.

Network services



First

Enter the Setup menu by pressing »MENU«
Select »Network services«

Call barring ⁽⁶⁻⁹⁾ ⓘ

You can set up call barring for different types of outgoing and incoming calls to restrict the use of your phone. To make use of this service you need to get a specific password from your network operator, and then:

- 1 Select one of the call barring options below.
- 2 Activate your call barring.

Different options for call barring

Outgoing calls gives you three new options:

- **All calls:** Bar all outgoing calls
- **International:** Bar all outgoing international calls
- **Roaming calls:** Bar outgoing calls when you are connected to a foreign network (this still leaves you the possibility of making calls to your home country).

Incoming calls gives you two new options:

- **All calls:** Bar all incoming calls.
- **Roaming calls:** Bar incoming calls when you are connected to a foreign network.

Status Check if your phone is barred in any of the above mentioned ways.

Deactivate Cancel all your call barings.

Activate your call barring

Once you have selected the kind of call barring you want, activate it by pressing »OK«. Specify whether you want the call barring to apply to all services, or to the speech, data or fax services. You will then be asked to enter the 4-digit password provided by your network operator.

Call waiting ⁽⁶⁻⁹⁾ ⓘ

Activate »Call waiting« if you want to be notified by a special ringing tone in case somebody is calling you while you are already having a conversation. You then have the option of answering or rejecting the new call.

Call back ⁽⁶⁻⁹⁾ ⓘ

Some networks offer the possibility of automatically establishing a connection to a busy subscriber when the number is no longer engaged. The phone will inform you that the subscriber is busy and ask you whether you want to call back.

Select »Status« to see how many phone numbers are still waiting to be called back.

Select »Cancel all« if you want to cancel the remaining phone numbers to be called back.

Calling name presentation (CNAP) ⁽⁶⁻⁹⁾ ⓘ

Some networks offer the possibility of showing the name of your caller even though his number is not stored in your phone book.

To find out whether this service is available or not, select the option »Calling name presentation« and then »Status«.

Call deflection ⁽⁶⁻⁹⁾ ⓘ

On some networks you can subscribe to this feature which lets you forward an incoming call to another phone number. Press *4, followed by the other phone number to have an incoming call forwarded to the number entered instead of answering the call.

To find out whether this service is activated or not, select the option »Call deflection« and then »Status«.

Closed user group ⁽⁶⁻⁹⁾ ⓘ

This is a network feature by which the use of your telephone is restricted to certain phone numbers within a group defined by the network operator and the owner of the SIM card.

Facts & Tips

- Do not confuse call barring with the barred number phone book (p. 16). The barred number phone book only relates to the barring of specific numbers entered by you.
- Please note that during roaming, your phone can get in contact only with co-operating networks (except for emergency calls).
- Your selection of a specific kind of call barring allows you not only to activate it. At this level, you can also see the status of the kind of call barring chosen by selecting »Status«, or cancel the chosen kind of call barring by selecting »Cancel«.
- You may be a member of different closed user groups. Each group has its own ID number. The network defines which group is your default user group. You have the option of calling outside the group – although perhaps at a higher charge.

Network selection



First

Enter the Setup menu by pressing »MENU«
Select »Network selection«

Selection mode ^(*)

Phoning abroad requires the use of a foreign network. You can select the network manually or let your telephone do it automatically. Entering »Selection mode« gives you these options:

Automatic

Let your phone find an available network automatically. Your phone will always try to reach your home network first, then alternatively find another available network. You have the possibility of establishing a preferred list (see below), indicating the order of preference in which your phone should select a network.

Manual

Your phone will always start searching for the network with which it was in contact when it was last switched off. If the phone cannot locate this network, it will present some alternative networks in the display, and you must then select one manually.

Set preferred list

Enter a list of networks in your own order of preference and store them on your SIM card.

To do this, select the empty location where you want to store the new network. Pressing »EDIT« will open a list of networks. Find the network you wish to store in your preferred list, and press »OK«. If you select a currently used location and press »EDIT«, the former occupant will be deleted if you enter a new one.

Country selection

If you choose automatic network selection, you can restrict your phone to connecting only to networks selected from the »Use country list«. In »View list« you can select which countries you want to allow. You can delete countries from the list by pressing »EDIT«, followed by »DELETE«.

Network types

Select whether your phone should start searching for a GSM 900, GSM 1800 or GSM 1900 network. If you select all 3 network types the telephone will automatically start searching for the network that offers the best connection.

Facts & Tips

- If you want to add a network that is not shown on the list of networks, select »Specify« and enter the country code and network number of the network.
- The country list can contain 15 different countries. Your home network will always be the first one on the list and cannot be deleted.
- Select »Unlimited« in the country list and you will be able to connect to all available networks.

Tones setup



First

Enter the Setup menu by pressing »MENU«
Select »Tones setup«

The Tones menu offers you different options in relation to the following tones:

Ringing tone

Message tone

Broadcast tone

Volume Select whether you want the volume to be high, medium, low or off. The ringing tone can also be set to »Escalating«.

Pattern You can select between 42 different tone patterns and melodies composed by yourself.

Composer

You can compose up to 20 melodies to be used as additional ringing tones.

View melodies To edit or delete an existing melody, select the melody, press »OPTION« and select whether you want to edit or delete it.

Create melody The notes are inserted via the keypad. Press ✱ to see which note is located on which key. The keys below have special functions:

- 8 Plays back the melody
- 9 Changes the tone/rest length (1/16, 1/8, 1/4, 1/2, 1/1)
- 0 Deletes a tone or a rest
- ♯ Inserts a rest

The cursor is moved by means of the arrow keys. A new tone is inserted to the right of the cursor

Setup menu

and is marked in black. After 1/2 a second the cursor moves to the right of the inserted tone. As long as the tone is active (black) it can be edited.

Display indications:

The top bar indicates the position of the cursor relative to the total length of the composition.



The number of the currently active tone.



Tone length (1/16)
Note (C)
Sharp (♯)
Octave (6)

Tone and rest lengths are shown by symbols of different lengths, 1/16 being the shortest and 1/1 being the longest.

Whole notes are inserted in the white lines. Sharp notes are inserted in the grey lines.

The black line indicates an octave.

Setup menu

Special side key functions:

Short press up:
Moves the note up one frequency
Long press up:
Moves the note up one octave
Short press down:
Moves the note down one frequency
Long press down:
Moves the note down one octave

When you insert a tone or a rest, the length will always be 1/16. Press the relevant key again, and the length will be changed into 1/8; press it twice, and it will be changed into 1/4 etc.

You cannot overwrite an inserted tone or rest. You have to delete the old one before you can insert a new.

When you have completed your composition, you can press »OPTION« and:

• **Play back speed:** Choose between 5 different standard play back speeds. The speed selected here will be the one which is used if you press »8« when composing or editing a melody.

• **Clear/Edit:** You can delete the contents of a melody without changing the name or other settings related to the melody.

When you press »OK«, you will be asked whether you really want to delete all tones.

Press »YES« to return to the editor where you can enter a new melody.

If you press »NO«, you will also return to the editor and can now edit the existing melody.

(Continued on the next page).

Facts & Tips

• The maximum length of a melody is 250 tones and/or rests. The digit at the bottom of the display tells you how many you have left.

• The standard ringing tones entered by the manufacturer cannot be edited or deleted.

• Remember that for entries stored in your address book you can assign a specific ringing tone to the group enabling you to hear from which group the call comes.

Tones setup



First

Enter the Setup menu by pressing »MENU«
Select »Tones setup«

Create melody (Continued)

• **Tones sound:** Select whether you want to hear the tones or not when composing your melody. Even if you have switched the tones sound off, you will still be able to listen to your composition by pressing 8 (Play back).

• **Save:** Give your melody a name and press »SAVE«. If you do not want to give the melody a name of your own choice, it will be stored under the name »My melody 1«.

If you press »EXIT« after completing your composition, you will be asked whether you want to leave the composer without saving your new/edited melody.

Press »NO« to return to the composer editor where you can make further corrections, if required.

Press »YES« to leave the composer without saving anything.

Key tone

Select whether you want a tone to be heard when you press a key. You can select between 7 different tones, DTMF and off.

Silent mode

Choose whether you want the selected tones to be on or off.

Trembler

Select whether you want the built-in trembler to be active at incoming calls, messages, or events.

Factory settings

Ringing tone

- volume: High
- pattern, line 1: Standard 2
- pattern, line 2: British 1

Message tone

- volume: High
- pattern: Simple 1

Broadcast tone

- volume: High
- pattern: Discreet
- Key tone: Keytone 1

Trembler

- Line 1: On
- Line 2: On
- Messages: Off
- Broadcasts: Off
- Events: On

Facts & Tips

• If you are interrupted while composing your melody, e.g. by an incoming call, your composition will be stored under the name »Backup«.

• Remember that you can disable all selected tones by pressing »MENU« and then ✱. Just press these keys again in the same order to revert to your original settings.

• Returning to the factory settings will not affect the ringing tone assigned to a group in your address book.

Phone setup



First

Enter the Setup menu by pressing »MENU«
Select »Phone setup«

Language ^(*)

Select »Language« to change the menu language of your phone.

IrDA

Under »IrDA Nickname« you can enter an ID name by which you want other IrDA devices to identify your mobile phone.

By selecting »Printer« you get the option to define the protocol language of the printer you want to use.

If you select »Test page«, a standard test page will automatically be sent to the printer.

Backlight

To save your battery and thus increase both conversation and standby times you can choose to have the backlight permanently switched off.

Handsfree

This option is effective only if your phone is connected to a handsfree device. See specific user guides for further information.

Greeting ^(*)

Make a welcome greeting on your phone according to your own wishes. Delete the old greeting by holding down »CLEAR«, enter the new greeting via the keypad, and confirm by pressing »OK«. (This function may not be available on all networks).

Signal diode

The LED on the top of the phone provides information about the following:

- **Green flash**
In contact with a network
- **Fast green flash**
Incoming call
- **Very fast green flashes**
New information, e.g. a missed call or a new message.
- **Red flash**
No contact with a network
- **Fast red flash**
Low battery

Select individually whether you want these indicators to be active or not.

Graphics

This submenu allows you to choose between different symbols for the battery and the signal strength indicators.

Owner ID

You can store an owner ID in your phone to be shown when you switch on the phone. Select »Define« to enter the necessary information, which corresponds to an address book entry.

Select »Show at power up« to activate/deactivate the function. When the function is activated press »OWNER« during the power up phase to see the contents of your owner ID.

The contents of the Owner ID can be sent as a business card via IrDA (see p. 33).

Facts & Tips

- *If, by mistake, you select a language which you do not understand, you can always return to the original SIM card language by pressing the following keys: ✕ # 0000 #, in standby mode.*
- *The owner ID is stored in the internal memory of the phone and will thus not be shown in the display if you use your SIM card in another phone.*

Call setup



First

Enter the Setup menu by pressing »MENU«
Select »Call setup«

Outgoing call ID ^(*)

Select »Outgoing call identification« to choose whether or not the persons you call should be able to see your phone number.

Speed dial

Activate »Speed dial« to make it possible to call numbers in your address or phone books from the standby display by pressing only one key.

Select »Define« and specify which phone number you want to assign to the keys 1 to 9.


If you should later want to change something in the sequence of the allocated speed dial numbers, press »SELECT« and then select »Modify«.


If you want to remove the phone

number from the allocated speed dial key, select »Remove«.


Caller access

This feature allows you to limit the number of callers from which you will accept calls. You can select whether you want to receive calls from »All callers«, from a »Single caller« or from a »Group of callers«. You will then be asked to define the entries from which you will accept calls.

As long as the caller access feature is activated, you will see this symbol  in the display.

If you receive a call from a number from which you don't allow calls, the call will automatically be rejected. You will be informed about the rejected call by the  symbol in the display

Facts & Tips

- Deactivating »Speed dial« enables you to enter letters, symbols and digits in the standby display and thus enter a USSD message containing both letters and digits.
- ^(*)  USSD (Unstructured Supplementary Service Data) is a feature completely defined by your network which allows direct communication between you and your network. An example of using USSD could be if entering a certain code of digits and/or letters terminated by # tells your network to send you a list of charges.

Auto redial

If you have activated Auto redial and the phone number you are calling is busy or your call is not answered, you can let your phone make up to 10 automatic redial attempts.

A special redialling success tone is heard when the attempt is successful. To cancel the auto redial attempts, just press the left-hand function key.

Any key answer

You can answer an incoming call by pressing any key you like, except the left-hand function key and the arrow key, by selecting »Any key answer on«.

Time and charge ^(*)

The time and charge menu offers you the possibility of checking the duration and cost of your calls.

However, the call charge feature may not be supported by all network operators.

Status Here you can see the duration and cost of your latest incoming and outgoing call, your total incoming and total outgoing calls and a total of all calls. You can also see the remaining credit, if any, (only if you have prepaid your call charge). To reset your timers, just press »RESET«.

Display Select whether or not the call timer should be shown in the display during a conversation.

Setup Enter the unit price for your calls (check with your network operator) and enter the currency of your call charge. It is also possible to enter a maximum call charge limit; no more phone calls can be made when this maximum has been reached.

Facts & Tips

- Do not confuse Auto redial with the call back function described on p. 49. In the Call back function, the network automatically connects you to the busy subscriber when he is no longer engaged.
- Resetting of timers and setup of call charge may require you to enter your PIN2 code.

Call setup



First

Enter the Setup menu by pressing »MENU«
Select »Call setup«

Call types (fax/data)

This menu is relevant only if you are using your phone for fax and data communications!

The settings on this menu should be changed only in connection with fax and data transmissions, if necessary. Fax and data capability will require a separate data interface kit (optional). The menu settings are explained in the user guide supplied with this kit.

Line selection ⁽⁶⁻⁹⁾

Some network operators offer Alternate Line Service. This allows you to use two separate speech lines and phone numbers on the same telephone. If you have two separate lines, you can switch between these by entering this sub menu

Facts & Tips

- In the standby display a small number on the left or right-hand side of the signal strength indicator informs you whether you are on line one or line two (only if you have Alternate Line Service).

Message setup



First

Enter the Setup menu by pressing »MENU«
Select »Message setup«

Send SMS setup

To be able to send and receive SMS messages you must store the name and number of the service centre of your network operator. However, many network operators will already have stored this information and some other necessary parameters for you on your SIM card.

Service centre The service centre is where your SMS messages are forwarded to the recipient. Selecting this submenu gives you the following options:

View centres: A list of already defined service centres will be presented to you. Press »OPTION« if you want to edit or delete one of the service centres.

Under the edit option you can change the name and number of the service centre, enter a destination number to which you want your messages to be sent, change the validity time and teleservice type.

Default centre: Select the service centre through which you want your messages to be sent. If you select »No default«, you will be asked to enter the service centre number, validity time and teleservice type each time you send a message.

Contact your network operator to get the service centre number if it is not stored on your SIM card, and then proceed as follows:

- 1 Select »Add new centre« and press »OK«.
- 2 Press »EDIT«.
- 3 Enter the service centre name and press »OK«.

- 4 Enter the service centre number, destination number, and select the validity time and teleservice type in the same way.
- 5 Press »SAVE«.

Facts & Tips

- Remember to add "+" and the national code before the number of your service centre so you can also send SMS messages from abroad.
- If you often send messages to the same number it is an advantage to store this as your »Destination number«. You will thus only have to confirm and not reenter the number each time you want to send a message.
- The validity time is the period of time that an SMS message will remain with your service centre if for some reason it cannot be delivered right away.


Message setup




First

Enter the Setup menu by pressing »MENU«
Select »Message setup«

Send SMS setup *(Continued)*

Reply path  For messages that have to be sent to the recipient via several service centres, some networks offer the feature of forwarding a reply, if any, back to you through the same chain of service centres. This is called a reply path, and activating it may speed up the delivery time for a reply.

Contact your network operator for further information.

Confirmation  Select »Confirmation on« if you want a confirmation from the network operator when your message has been sent to the recipient.

If the message has not been sent you will get the information that it is either queued or not delivered.


The period during which you can receive this kind of confirmation corresponds to the validity time selected by you in the Message setup menu.

Broadcast setup

To be able to receive broadcasts you must enter Broadcast setup which gives you the following options:

Channels Set up a list covering the kind of information you wish to receive. The phone will show you various options for storing the individual channels.

Pressing »EDIT« will give you a range categories from which you can select the one(s) you want to receive.

Language  Some network operators offer broadcast messages in different languages. Select between different languages or simply select all languages.

Activation Select whether you want the broadcast function to be activated.

Sorting

Specify whether your messages in your inbox, outbox or sent items should be sorted by date and time, by subject or by sender.

Facts & Tips

- For more information on broadcasts, see p. 42.

Browser Menu

The connection to the WAP gateway is established as a data call via an access point. You must enter the dial number of this access point in the »Profile setup« below.

Communication between the access point and the gateway takes place automatically when you have entered the IP address of the gateway as mentioned below.

It is likely that your network operator has already stored this information in your phone. If not, you must select the "Profile setup" menu and enter the data yourself.

Display setup Select whether you want the title of the displayed card to be shown in the first line of the display or not.

Profile setup This is where you set up your WAP connection. You can store up to 8 different profiles, each with an individual setup.

• **Add profile:** Select this submenu to add a new profile. Enter various parameters such as profile name, dial up number, connection type, data speed, user name and password, IP address, etc. By scrolling through the parameters you will see what kind of information you will have to enter. The minimum information required is the dial up number and IP address.

• **View profiles:** Select this submenu to view any stored profiles.
Press »SELECT« to view the contents of a specific profile.
By pressing »OPTION« you can choose to edit or delete the selected profile.

Facts & Tips

- Contact your network operator or special WAP gateway provider for further information on how to set up the WAP browser.

Message setup



First

Enter the Setup menu by pressing »MENU«
Select »Message setup«

Text input setup

In this submenu you have various options related to the different text editors and to the keypad.

T9 editor Select whether you want the T9 text input feature to be activated or deactivated.

T9 language Here you can change the language of the T9 text input.

Startup mode Select the text editor mode which you want to be the default for entering information in your address and phone books or writing messages. If you have deactivated the T9 text input feature it will not be an option here.

Keypad alphabet Set the keypad to a language corresponding to the alphabet of your local language or another language of your own choice.

Facts & Tips

- To benefit the most from the T9 text input you should choose the same language for T9 and for the keypad. Otherwise T9 will not be able to store new words in the linguistic database.

Calendar setup



First

Enter the Setup menu by pressing »MENU«
Select »Calendar setup«

Calendar

You can select to have the time and date shown in the standby display by entering this menu. You have the following options:

Time Select »Set time« to set and/or edit the current time. Enter the current hour or use the arrow keys to edit the displayed hour. Press »NEXT« and enter the minutes or use the arrow keys to edit them. Select »Set time format« to specify whether you want a 12- or 24-hour display. If you have selected a 12-hour display, you can switch between am and pm with the arrow keys.

Date Select »Set date« to set and/or edit the current date. Enter the current date or use the arrow keys to edit the displayed date. Press »NEXT« and enter the month or use the arrow keys to change it. Press »NEXT« to jump to the year and enter/edit it. Select »Set date format« to specify the sequence in which you want the date to be shown, e.g. date, month and year.

Display Select whether you want the time and/or the date to be shown in the display.

Start of day If the start and end times of the day in your calendar do not fit with your actual working day, you can change them according to your wishes by selecting »Start of day« and then »End of day«

Remove events You can choose that all events should be removed automatically from your calendar after a certain period specified by you.

Facts & Tips

- As long as the time/date function is active, all outgoing, incoming and missed calls as well as messages, voice memos and events will be time/date stamped.
- The time/date indication in the display will disappear if the battery runs completely out of power. You must then set time and date again.
- A recurring event cannot be removed automatically.
- You will not be notified when an event is removed automatically.

Security



First

Enter the Setup menu by pressing »MENU«
Select »Security«

Entering the Security menu gives you different possibilities of preventing misuse of your SIM card and your telephone, e.g. if your phone is lost or stolen.

PIN code ^(*)

Activate PIN Select whether your PIN code should be on or off. The PIN code is a 4 to 8 digit code which must be entered each time you switch on your phone.

Change PIN Change your PIN code.

Change PIN2 ^(*)

Change your PIN2 code (used on some SIM cards to access special functions).

SIM lock

Link your telephone and your SIM card together by activating the SIM lock. You will be asked to enter a 6 to 16 digit code of your own choice.

This means that if for instance your phone is stolen, it cannot be used together with another SIM card.

Network password ^(*)

Change your network password (used if you subscribe to a call barring service).

Facts & Tips

- *If you enter an invalid PIN code three times, your SIM card will be blocked, and to unblock it you have to enter the PUK code supplied by your network operator. This procedure prevents unauthorised persons from working out your PIN code by repeatedly entering different combinations of numbers.*
- *For your own sake, remember to write down your SIM lock code to be able to deactivate the lock at a later time. ^(*) You have 10 attempts before the phone is blocked.*
- *The phone will inform you how many tries you have left before the SIM card is blocked. If you enter an invalid PUK code 10 times, your SIM card will be permanently blocked and you have to contact your network operator.*

Encryption indication ^(*)

Get a warning in the display and a sound alarm, if you connect to a network which does not support encryption.

Fixed dialling ^(*)

Select whether you want the fixed dialling function to be on or off (only available if you have defined and stored numbers in the fixed dialling phone book (p. 15).

If you have selected »Fixed dialling on«, your address book and plain numbers phone book will not be visible in the display and can thus not be accessed. Of course, they remain in the internal memory of the phone and on the SIM card, respectively, and can be accessed again by selecting »Fixed dialling off«.

Barred dialling ^(*)

Select whether you want the barred dialling function to be on or off (only available if you have defined and stored numbers in the barred dialling phone book (p. 16).

Facts & Tips

- *Encryption means that the network encrypts conversations to make it difficult for unauthorised persons to listen in on them.*
- *Contact your network operator for further information on PUK2 and PIN2 codes.*

Security



First

Enter the Setup menu by pressing »MENU«
Select »Security«

Keypad lock

To avoid making calls accidentally, you can lock the keypad. In this submenu you have the following options:

Activate Activates the keypad lock.

Auto lock You can set your keypad to lock automatically when you are not using the phone. You will be able to select a delay for the auto lock function.

Lock code You can add a lock code to the keypad lock function so that only you can unlock the keypad by entering a 8 digit code. When the keypad is locked, you will be asked to enter the keypad lock code before you can make a call.

Line lock ^(*)

If you have Alternate Line Service on your SIM card, you can restrict outgoing calls to use only one of these lines.

Activate the line lock in this submenu and enter a 4 to 8 digit lock code of your own choice. To shift back to the other line you have to re-enter this code.

Setup menu

Facts & Tips

- *For your own sake, remember to write down your keypad lock code. You have 10 tries to enter the correct keypad lock code. The phone will inform you how many tries you have left before the keypad lock is blocked. If you reach this maximum, remove and reinsert the battery, and you have another 10 tries.*
- *Remember that you can also activate the keypad lock by pressing »MENU« and then **#**. Press »UNLOCK« and **#** to disable the keypad lock.*
- *The keypad lock is disabled automatically during an incoming call or if the phone is placed in a handsfree car kit.*
- *Emergency calls cannot be made if the keypad lock is activated.*

Conversation menu

See everything about the possibilities that you have during a conversation.

Conversation menu



First

This menu is available only when you are actually talking on the phone.

Enter the Conversation menu:
Press »MENU«

Scroll through the options:
▼ and ▲

Select an option: Press »OK«

This menu offers you different kinds of options for use during a conversation:

Microphone on/off

Select »Microphone off« to turn off the microphone during a conversation. You can still hear everything your caller says, but the caller will be unable to hear you.

Select »Microphone on« to activate the microphone again.

Hold a call

You can make a second call without having to end a call that is currently active. Enter the second phone number and press »CALL«.

If you have activated call waiting (see p. 48), you can also answer a new incoming call without having to end the currently active call.

When you hear the special ringing tone in your loudspeaker, just press »ANSWER«. In both cases, the first call will automatically be put on hold. You can also put calls on hold manually by selecting »Hold call«.

Continue a call

When you want to retrieve a call which has been put on hold, just select »Continue call«.

Switch between calls

If you have a call on hold and an active call, you can switch between these two by selecting »Switch calls«.

Drop active call

You can end an active call by selecting »Drop active«. If you also have a call put on hold, this call will remain on hold until you retrieve it to continue conversation.

Drop held call

You can end a call which has been put on hold by selecting »Drop held«.

Conference call

If you have an active call and a call on hold at the same time, you can select »Join calls« to enable all of you to make a conference call.

Private call

If you have joined all calls and want to have a private conversation with one of the callers, select »Private«. The other calls will be put on hold.

Transfer call

If you have an active call and a call on hold, you can connect the two by selecting »Transfer« call. In that way, the two parties can talk together while you withdraw from the conversation.

Record conversation

You can record an ongoing conversation by selecting »Record call«.

During recording a short beep is heard every 10th second to inform the other party that the conversation is being recorded.

The phone number of the other party will be displayed.

Facts & Tips

- *The status of the call determines which menu items are visible and available for you to select.*
- *You also have the option of calling a number in your address or phone book during conversation by pressing ▼ and select the entry you want to call.*
- *You also have the option of sending an SMS message during a conversation by pressing ▲ to enter the List menu.*
- *Please be aware that you can only have one call on hold at a time.*
- *A conference call can be made between 6 different callers including yourself.*

Further information

Get an overview of the keypad functions and the display symbols on your phone.

Keypad functions

Function keys with text line in display

The left-hand function key turns your phone on and off. When the phone is on, the function of these keys varies, depending on whether you are in standby or menu mode. The text line at the bottom of the display will inform you of the current function of each key at any time.

Arrow key up/down

Used to scroll through menus, address and phone books, lists, messages, events, etc.

Voice mail key

Press for one second to get quick access to your voice mail (only if the number is stored by you or your network operator).

International numbers

Press for one second to insert a "+" before international phone numbers. The key is also used to shift between lower and upper case during text entry.



Side key

Has the same functions as the arrow keys. In addition, the side key is used for controlling the volume level during conversation, shifting between different editor modes, accessing the WAP browser menu, moving frequencies and octaves in the Composer, and quick scrolling through address and phone book entries.

Extension numbers and prefix numbers

Press for one second to insert a pause "P" between the main number and the extension number.

Press for two seconds to insert a "?" for each varying digit in a prefix phone number (for storing in your phone book).

Latest outgoing call

Press for one second and the call is made automatically (only if you have activated speed dial).

Display symbols

Battery level

The more bars displayed, the better the battery capacity. See page 7 for more information.

Battery low

Your battery needs recharging. The percentage tells you how much capacity you have left.

Signal strength

The more signal bars displayed, the better the radio connection.

List menu

Address and phone book entries

The individual entries have different identification symbols.

Address book entry

Phone book entry

Group folder for address book entries

Scrolling

Arrows mean that there are more functions which you can access by scrolling up or down.

Calling indicators

Incoming call

Incoming fax

Incoming data call

Missed calls

The digit indicates how many calls you have missed.

Caller access

The Caller access feature is activated.

Message indicators

New SMS message

New voice mail

Unread message

On: There are still unread messages.
Flashing: The memory is full.

Inbox indicators

SMS message

Event

Business card

Message sent via IrDA

Call diversion

On: All calls to your mobile phone are diverted to another telephone number.
Flashing: The status of your call diverts is unknown.

Event indicators

Occurring/Missed event

The digit indicates how many events you have missed.

Recurring event

Event occurs today

WAP connection indicators

Ongoing data call

Network available

Network not available

Microphone off

Volume level

Indicates volume level when adjusting.

Ringing tone off

All tones off

Indicates that all tones have been disabled.

Calculator

List of arithmetic operators in the calculator menu.

Text input symbols

Alphanumeric grid mode

Alphanumeric wheel mode

T9 text input mode

Numeric mode

Caps lock indicator

Upper case indicator

Display and keypad backlight

The backlight switches on automatically when you press a key. In standby mode, the light will automatically switch off if no key is pressed for 10 seconds or more.

Technical specifications

This product uses frequency bands whose use is harmonized within the European Community area. This product is intended to be connected to the Pan-European GSM public telecommunications network.

- GSM900 Class 4 (2 Watts)
Frequency range
880-960 MHz
- GSM1800 Class 1 (1 Watt)
Frequency range
1710-1880 Mhz
- GSM1900 Class 1 (1 Watt)
Frequency range
1850-1990 Mhz

Weight:

99 g

Size:

115 x 44 x 23 mm

Operating voltage:

3.7 V

Power consumption:

Max. 650 mAh

Operating temperature:

-10° – +55° celcius

Standby time:

Up to 260 hours

Talk time:

Up to 360 minutes

Further information

Licenses:

T9 Text Input® is a registered trademark of Tegic Communications.

T9 is licensed under one or more of the following U.S. Patents: 5,818,437, 5,953,541, 5,187,480, 5,945,928, 6,011,554 and additional patents are pending worldwide.

Your WAP browser is licensed from:

 phone.com™



Any attempt to modify, translate, reverse-engineer, de-compile or disassemble any part of the Phone.Com Software is prohibited.

Further information

Accessories

- Car Kit Comfort Plus
- Car Charger
- Data Cable
- Li-Ion 650 mAh Battery
- Travel Charger
- Desktop Charger
- Headset with PTT

See the enclosed accessory folder for more detailed information.



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